

# Paducah-OREIS Data Report

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12/18/2007

**MW154**

**1020903**

**WAG 22 (SWMU 2)**

**M15411**

Collected: 10/14/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Alkalinity		89	mg/L		2.8	EPA-310.2
Alkalinity as CO3	U	2.8	mg/L CaC		2.8	EPA-310.2
Alkalinity as HCO3		89	mg/L CaC		2.8	EPA-310.2
Chloride		4.2	mg/L		0.084	EPA-300
Fluoride		0.74	mg/L		0.023	EPA-300
Nitrate/Nitrite	J	0.067	mg/L		0.007	EPA-353.2
Sulfate		140	mg/L		0.021	EPA-300
<b>Field P</b>						
pH		5.81	Std Unit			
Specific Conductivity (PIP)		0.537	umho/cm			
Temperature		64.44	deg F			
<b>METAL</b>						
Beryllium	U	0.0002	mg/L		0.2	SW846-6010
Calcium		29	mg/L		44	SW846-6010
Magnesium		12	mg/L		24	SW846-6010
Manganese		0.019	mg/L		0.29	SW846-6010
Potassium	U	0.018	mg/L		18	SW846-6010
Sodium		78	mg/L		37	SW846-6010
Vanadium	U	0.0017	mg/L		1.7	SW846-6010
<b>RADS</b>						
Alpha activity	U	290	pCi/L			RL-7119
Americium-241		0.19	pCi/L	0.12	0.16	EPA-907
Beta activity	U	330	pCi/L			RL-7119
Cesium-137	U	-0.46	pCi/L	3.7	6.2	EPA-907
Neptunium-237		0.08	pCi/L	0.21	0.37	EPA-907
Plutonium-239		0.01	pCi/L	0.05	0.1	EPA-907
Protactinium-234	U	13	pCi/L	30	49	EPA-907
Technetium-99		170	pCi/L	9.7	8	DNT
Thorium-230		0.5	pCi/L	0.16	0.11	EPA-907
Uranium-234		0.73	pCi/L	0.28	0.36	EPA-907
Uranium-235/236		-0.188	pCi/L	0.17	0.39	EPA-907
Uranium-238		1.55	pCi/L	0.3	0.21	EPA-907
<b>VOA</b>						
cis-1,2-Dichloroethene	U	0.00047	mg/L		0.0005	SW846-8260
trans-1,2-Dichloroethene	U	0.00048	mg/L		0.0005	SW846-8260
Trichloroethene		0.04	mg/L		0.0004	SW846-8260
Vinyl chloride	U	0.0013	mg/L		0.0013	SW846-8260

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MW333

1020903

WAG 22 (SWMU 2)

M33311

Collected: 10/14/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Alkalinity		110	mg/L		2.8	EPA-310.2
Alkalinity as CO3	U	2.8	mg/L CaC		2.8	EPA-310.2
Alkalinity as HCO3		110	mg/L CaC		2.8	EPA-310.2
Chloride		10	mg/L		0.084	EPA-300
Fluoride		0.32	mg/L		0.023	EPA-300
Nitrate/Nitrite	J	0.05	mg/L		0.007	EPA-353.2
Sulfate		16	mg/L		0.021	EPA-300
<b>METAL</b>						
Beryllium	U	0.0002	mg/L		0.2	SW846-6010
Calcium		24	mg/L		44	SW846-6010
Iron		6.2	mg/L		13	SW846-6010
Magnesium		9.2	mg/L		24	SW846-6010
Manganese		2.6	mg/L		0.29	SW846-6010
Potassium		1.2	mg/L		18	SW846-6010
Sodium		16	mg/L		37	SW846-6010
Vanadium		0.0097	mg/L		1.7	SW846-6010
<b>RADS</b>						
Alpha activity	U	290	pCi/L			RL-7119
Americium-241		0.19	pCi/L	0.11	0.14	EPA-907
Beta activity	U	330	pCi/L			RL-7119
Cesium-137	U	-1.9	pCi/L	3.7	5.2	EPA-907
Neptunium-237		0.09	pCi/L	0.12	0.2	EPA-907
Plutonium-239		0.05	pCi/L	0.06	0.1	EPA-907
Protactinium-234	U	-0.93	pCi/L	29	45	EPA-907
Technetium-99		-1.1	pCi/L	8.1	8	DNT
Thorium-230		0.25	pCi/L	0.13	0.15	EPA-907
Uranium-234		9.66	pCi/L	1.17	0.47	EPA-907
Uranium-235/236		0.35	pCi/L	0.35	0.53	EPA-907
Uranium-238		0.14	pCi/L	0.34	0.62	EPA-907
<b>VOA</b>						
cis-1,2-Dichloroethene	U	0.00047	mg/L		0.0005	SW846-8260
trans-1,2-Dichloroethene	U	0.00048	mg/L		0.0005	SW846-8260
Trichloroethene		0.01	mg/L		0.0004	SW846-8260
Vinyl chloride	U	0.0013	mg/L		0.0013	SW846-8260

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**MW337**  
**1020903**  
**M33711**

**WAG 22 (SWMU 2)**

Collected: 10/4/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Alkalinity		65	mg/L		2.8	EPA-310.2
Alkalinity as CO3	U	2.8	mg/L CaC		2.8	EPA-310.2
Alkalinity as HCO3		65	mg/L CaC		2.8	EPA-310.2
Chloride		9.6	mg/L		0.084	EPA-300
Fluoride		0.17	mg/L		0.023	EPA-300
Nitrate/Nitrite		0.21	mg/L		0.007	EPA-353.2
Sulfate		4.9	mg/L		0.021	EPA-300
<b>Field P</b>						
pH		8.14	Std Unit			
Specific Conductivity (PIP)		0.155	umho/cm			
Temperature		60.48	deg F			
<b>METAL</b>						
Beryllium		0.0014	mg/L		0.2	SW846-6010
Calcium		16	mg/L		44	SW846-6010
Iron		56	mg/L		13	SW846-6010
Magnesium		7.3	mg/L		24	SW846-6010
Manganese		2.1	mg/L		0.29	SW846-6010
Potassium		3.9	mg/L		18	SW846-6010
Sodium		12	mg/L		37	SW846-6010
Vanadium		0.052	mg/L		1.7	SW846-6010
<b>RADS</b>						
Alpha activity	U	290	pCi/L			RL-7119
Americium-241		0.19	pCi/L	0.13	0.17	EPA-907
Beta activity	U	330	pCi/L			RL-7119
Cesium-137	U	2	pCi/L	4.1	6.5	EPA-907
Neptunium-237		0.04	pCi/L	0.1	0.18	EPA-907
Plutonium-239		0.03	pCi/L	0.07	0.14	EPA-907
Protactinium-234	U	-20	pCi/L	39	44	EPA-907
Technetium-99		14	pCi/L	8.3	8	DNT
Thorium-230		0.52	pCi/L	0.17	0.15	EPA-907
Uranium-234		0.38	pCi/L	0.19	0.26	EPA-907
Uranium-235/236		0.11	pCi/L	0.1	0.15	EPA-907
Uranium-238		0.27	pCi/L	0.15	0.21	EPA-907
<b>VOA</b>						
cis-1,2-Dichloroethene	U	0.00047	mg/L		0.0005	SW846-8260
trans-1,2-Dichloroethene	U	0.00048	mg/L		0.0005	SW846-8260
Trichloroethene		0.0083	mg/L		0.0004	SW846-8260
Vinyl chloride	U	0.0013	mg/L		0.0013	SW846-8260

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**MW338**

**1020903**

**WAG 22 (SWMU 2)**

**M33811**

Collected: 10/4/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Alkalinity		54	mg/L		2.8	EPA-310.2
Alkalinity as CO3	U	2.8	mg/L CaC		2.8	EPA-310.2
Alkalinity as HCO3		54	mg/L CaC		2.8	EPA-310.2
Chloride		21	mg/L		0.084	EPA-300
Fluoride		0.41	mg/L		0.023	EPA-300
Nitrate/Nitrite		0.16	mg/L		0.007	EPA-353.2
Sulfate		4.5	mg/L		0.021	EPA-300
<b>Field P</b>						
pH		5.94	Std Unit			
Specific Conductivity (PIP)		0.179	umho/cm			
Temperature		61.02	deg F			
<b>METAL</b>						
Beryllium	B	0.0003	mg/L		0.2	SW846-6010
Calcium		15	mg/L		44	SW846-6010
Iron		5.7	mg/L		13	SW846-6010
Magnesium		5.8	mg/L		24	SW846-6010
Manganese		1.1	mg/L		0.29	SW846-6010
Potassium	B	0.11	mg/L		18	SW846-6010
Sodium		14	mg/L		37	SW846-6010
Vanadium	B	0.0078	mg/L		1.7	SW846-6010
<b>RADS</b>						
Alpha activity	U	290	pCi/L			RL-7119
Americium-241		0.1	pCi/L	0.1	0.15	EPA-907
Beta activity	U	330	pCi/L			RL-7119
Cesium-137	U	-1.4	pCi/L	2.9	4.8	EPA-907
Neptunium-237		0.03	pCi/L	0.14	0.27	EPA-907
Plutonium-239		0.13	pCi/L	0.09	0.09	EPA-907
Protactinium-234	U	-8.6	pCi/L	25	39	EPA-907
Technetium-99		-0.82	pCi/L	8.1	8	DNT
Thorium-230		0.44	pCi/L	0.16	0.12	EPA-907
Uranium-234		0.56	pCi/L	0.17	0.16	EPA-907
Uranium-235/236		0.07	pCi/L	0.08	0.13	EPA-907
Uranium-238		0.67	pCi/L	0.2	0.2	EPA-907
<b>VOA</b>						
cis-1,2-Dichloroethene	U	0.00047	mg/L		0.0005	SW846-8260
trans-1,2-Dichloroethene	U	0.00048	mg/L		0.0005	SW846-8260
Trichloroethene	J	0.0007	mg/L		0.0004	SW846-8260
Vinyl chloride	U	0.0013	mg/L		0.0013	SW846-8260



# Paducah-OREIS Data Report

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**MW67**

**1020903**

**WAG 22 (SWMU 2)**

**M06711**

Collected: 10/8/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Alkalinity		62	mg/L		2.8	EPA-310.2
Alkalinity as CO3	U	2.8	mg/L CaC		2.8	EPA-310.2
Alkalinity as HCO3		62	mg/L CaC		2.8	EPA-310.2
Chloride		10	mg/L		0.084	EPA-300
Fluoride		0.41	mg/L		0.023	EPA-300
Nitrate/Nitrite		0.12	mg/L		0.007	EPA-353.2
Sulfate		8.7	mg/L		0.021	EPA-300
<b>Field P</b>						
pH		5.21	Std Unit			
Specific Conductivity (PIP)		0.172	umho/cm			
Temperature		57.6	deg F			
<b>METAL</b>						
Beryllium	U	0.0002	mg/L		0.2	SW846-6010
Calcium		14	mg/L		44	SW846-6010
Iron		0.98	mg/L		13	SW846-6010
Magnesium		5.9	mg/L		24	SW846-6010
Manganese		0.027	mg/L		0.29	SW846-6010
Potassium		0.83	mg/L		18	SW846-6010
Sodium		13	mg/L		37	SW846-6010
Uranium	U	0.0092	mg/L		9.2	SW846-6010
Vanadium	U	0.0017	mg/L		1.7	SW846-6010
<b>RADS</b>						
Alpha activity	U	270	pCi/L			RL-7119
Americium-241		0.35	pCi/L	0.14	0.1	EPA-907
Beta activity	U	280	pCi/L			RL-7119
Cesium-137	U	0.29	pCi/L	3.9	6.9	EPA-907
Neptunium-237		-0.0112	pCi/L	0.08	0.17	EPA-907
Plutonium-239		0.04	pCi/L	0.07	0.12	EPA-907
Protactinium-234	U	-28	pCi/L	49	49	EPA-907
Technetium-99		-3.6	pCi/L	8	8	DNT
Thorium-230		0.74	pCi/L	0.2	0.17	EPA-907
Uranium-234		0.2	pCi/L	0.13	0.18	EPA-907
Uranium-235/236		0.03	pCi/L	0.04	0.04	EPA-907
Uranium-238		0.03	pCi/L	0.09	0.16	EPA-907
<b>VOA</b>						
cis-1,2-Dichloroethene	U	0.00047	mg/L		0.0005	SW846-8260
trans-1,2-Dichloroethene	U	0.00048	mg/L		0.0005	SW846-8260
Trichloroethene	J	0.0022	mg/L		0.0004	SW846-8260
Vinyl chloride	U	0.0013	mg/L		0.0013	SW846-8260

# Paducah-OREIS Data Report

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**PZ74**  
**1020903**  
**M07411**

## WAG 22 (SWMU 2)

Collected: 10/14/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Alkalinity		63	mg/L		2.8	EPA-310.2
Alkalinity as CO3	U	2.8	mg/L CaC		2.8	EPA-310.2
Alkalinity as HCO3		63	mg/L CaC		2.8	EPA-310.2
Chloride		12	mg/L		0.084	EPA-300
Fluoride		0.41	mg/L		0.023	EPA-300
Nitrate/Nitrite		0.85	mg/L		0.007	EPA-353.2
Sulfate		5.2	mg/L		0.021	EPA-300
<b>Field P</b>						
pH		5.8	Std Unit			
Specific Conductivity (PIP)		0.169	umho/cm			
Temperature		64.08	deg F			
<b>METAL</b>						
Beryllium		0.0004	mg/L		0.2	SW846-6010
Calcium		11	mg/L		44	SW846-6010
Iron		14	mg/L		13	SW846-6010
Magnesium		4.9	mg/L		24	SW846-6010
Manganese		0.071	mg/L		0.29	SW846-6010
Potassium		2.5	mg/L		18	SW846-6010
Sodium		22	mg/L		37	SW846-6010
Uranium	U	0.0092	mg/L		9.2	SW846-6010
Vanadium		0.029	mg/L		1.7	SW846-6010
<b>RADS</b>						
Alpha activity	U	270	pCi/L			RL-7119
Americium-241		0.34	pCi/L	0.14	0.1	EPA-907
Beta activity	U	280	pCi/L			RL-7119
Cesium-137	U	-1.2	pCi/L	4.3	6.5	EPA-907
Neptunium-237		0.03	pCi/L	0.06	0.11	EPA-907
Plutonium-239		0.17	pCi/L	0.11	0.14	EPA-907
Protactinium-234	U	27	pCi/L	46	56	EPA-907
Technetium-99		170	pCi/L	10	8	DNT
Thorium-230		0.67	pCi/L	0.19	0.17	EPA-907
Uranium-234		0.34	pCi/L	0.14	0.15	EPA-907
Uranium-235/236		0.01	pCi/L	0.03	0.04	EPA-907
Uranium-238		0.35	pCi/L	0.13	0.11	EPA-907
<b>VOA</b>						
cis-1,2-Dichloroethene	J	0.0013	mg/L		0.0005	SW846-8260
trans-1,2-Dichloroethene	U	0.00048	mg/L		0.0005	SW846-8260
Trichloroethene		0.013	mg/L		0.0004	SW846-8260
Vinyl chloride	U	0.0013	mg/L		0.0013	SW846-8260

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## SWMU2-10

### 1020903

### WAG 22 (SWMU 2)

#### S10611

Collected: 8/7/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Alkalinity		210	mg/L		2.8	EPA-310.2
Alkalinity as CO3	U	2.8	mg/L CaC		2.8	EPA-310.2
Alkalinity as HCO3		210	mg/L CaC		2.8	EPA-310.2
Chloride		18	mg/L		0.084	EPA-300
Fluoride		1	mg/L		0.023	EPA-300
Nitrate/Nitrite		0.035	mg/L		0.007	EPA-353.2
Sulfate		51	mg/L		0.021	EPA-300
<b>Field P</b>						
Depth to Water		19.05	ft			
Dissolved Oxygen		3	mg/L			
pH		8.9	Std Unit			
Specific Conductivity (PIP)		0.5	umho/cm			
Temperature		75.24	deg F			
<b>METAL</b>						
Beryllium		0.0069	mg/L		0.2	SW846-6010
Calcium		29	mg/L		44	SW846-6010
Magnesium		24	mg/L		24	SW846-6010
Manganese		6.3	mg/L		0.29	SW846-6010
Potassium		13	mg/L		18	SW846-6010
Sodium		110	mg/L		37	SW846-6010
Uranium	U	0.009	mg/L		9	SW846-6010
Vanadium		0.42	mg/L		1.7	SW846-6010
<b>RADS</b>						
Alpha activity		20	pCi/L			RL-7119
Americium-241		0.26	pCi/L	0.15	0.18	EPA-907
Beta activity		60	pCi/L			RL-7119
Cesium-137	U	-1.4	pCi/L	3.9	6.7	EPA-907
Neptunium-237		0.02	pCi/L	0.08	0.18	EPA-907
Plutonium-239		0.04	pCi/L	0.08	0.14	EPA-907
Protactinium-234	U	-12	pCi/L	34	52	EPA-907
Technetium-99		5.4	pCi/L	6.78	11.4	DNT
Thorium-230		0.56	pCi/L	0.26	0.37	EPA-907
Uranium-234		1.76	pCi/L	0.45	0.38	EPA-907
Uranium-235/236		0.06	pCi/L	0.12	0.23	EPA-907
Uranium-238		2.57	pCi/L	0.51	0.19	EPA-907
<b>VOA</b>						
cis-1,2-Dichloroethene	U	0.00047	mg/L		0.0005	SW846-8260
cis-1,2-Dichloroethene	U	0.1	mg/L		0.1	SW846-8260
trans-1,2-Dichloroethene	U	0.00048	mg/L		0.0005	SW846-8260
trans-1,2-Dichloroethene	U	0.1	mg/L		0.1	SW846-8260
Trichloroethene	U	0.1	mg/L		0.1	SW846-8260
Trichloroethene	U	0.00039	mg/L		0.0004	SW846-8260
Vinyl chloride	U	0.0013	mg/L		0.0013	SW846-8260

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## SWMU2-10

1020903

## WAG 22 (SWMU 2)

S10612

Collected: 8/9/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Alkalinity		310	mg/L		2.8	EPA-310.2
Alkalinity as CO3		71	mg/L CaC		2.8	EPA-310.2
Alkalinity as HCO3	U	2.8	mg/L CaC		2.8	EPA-310.2
Chloride		9.2	mg/L		0.084	EPA-300
Fluoride		1.1	mg/L		0.023	EPA-300
Nitrate/Nitrite		0.34	mg/L		0.007	EPA-353.2
Sulfate		28	mg/L		0.021	EPA-300
<b>Field P</b>						
Depth to Water		45.35	ft			
Dissolved Oxygen		8	mg/L			
pH		10.9	Std Unit			
Redox		-0.76	Std Unit			
Specific Conductivity (PIP)		0.41	umho/cm			
Temperature		78.84	deg F			
<b>METAL</b>						
Beryllium		0.047	mg/L		0.2	SW846-6010
Calcium		960	mg/L		44	SW846-6010
Magnesium		98	mg/L		24	SW846-6010
Manganese		20	mg/L		0.29	SW846-6010
Potassium		62	mg/L		18	SW846-6010
Sodium		27	mg/L		37	SW846-6010
Uranium	U	0.009	mg/L		9	SW846-6010
Vanadium		0.97	mg/L		1.7	SW846-6010
<b>RADS</b>						
Alpha activity		-50	pCi/L			RL-7119
Americium-241		0.23	pCi/L	0.14	0.16	EPA-907
Cesium-137	U	0.29	pCi/L	3.8	6.6	EPA-907
Neptunium-237		-0.0792	pCi/L	0.13	0.31	EPA-907
Plutonium-239		0.02	pCi/L	0.07	0.15	EPA-907
Protactinium-234	U	-1	pCi/L	29	53	EPA-907
Technetium-99		6.46	pCi/L	6.79	11.4	DNT
Thorium-230		0.28	pCi/L	0.13	0.13	EPA-907
Uranium-234		1.01	pCi/L	0.24	0.2	EPA-907
Uranium-235/236		0.05	pCi/L	0.07	0.11	EPA-907
Uranium-238		0.62	pCi/L	0.18	0.09	EPA-907
<b>VOA</b>						
1,1-Dichloroethene	B	0.295	mg/L		0.077	SW846-8260
cis-1,2-Dichloroethene	U	0.077	mg/L		0.077	SW846-8260
cis-1,2-Dichloroethene	J	0.0017	mg/L		0.0005	SW846-8260
trans-1,2-Dichloroethene	U	0.00048	mg/L		0.0005	SW846-8260
trans-1,2-Dichloroethene	U	0.077	mg/L		0.077	SW846-8260
Trichloroethene		0.12	mg/L		0.0004	SW846-8260
Trichloroethene	J	0.0692	mg/L		0.077	SW846-8260
Vinyl chloride	U	0.0013	mg/L		0.0013	SW846-8260

**SWMU2-10**

**1020903**

**WAG 22 (SWMU 2)**

**S10613**

Collected: 8/9/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Alkalinity		110	mg/L		2.8	EPA-310.2
Alkalinity as CO3		70	mg/L CaC		2.8	EPA-310.2
Alkalinity as HCO3		36	mg/L CaC		2.8	EPA-310.2
Chloride		15	mg/L		0.084	EPA-300
Fluoride		2.1	mg/L		0.023	EPA-300
Nitrate/Nitrite		0.66	mg/L		0.007	EPA-353.2
Sulfate		37	mg/L		0.021	EPA-300
<b>Field P</b>						
Depth to Water		58.44	ft			
Dissolved Oxygen		8.3	mg/L			
pH		8.6	Std Unit			
Redox		124	Std Unit			
Specific Conductivity (PIP)		0.26	umho/cm			
Temperature		80.64	deg F			
<b>METAL</b>						
Beryllium		0.092	mg/L		0.2	SW846-6010
Calcium		390	mg/L		44	SW846-6010
Magnesium		50	mg/L		24	SW846-6010
Manganese		51	mg/L		0.29	SW846-6010
Potassium		42	mg/L		18	SW846-6010
Sodium		34	mg/L		37	SW846-6010
Uranium	U	0.009	mg/L		9	SW846-6010
Vanadium		1.5	mg/L		1.7	SW846-6010
<b>RADS</b>						
Alpha activity		-20	pCi/L			RL-7119
Americium-241		0.26	pCi/L	0.24	0.38	EPA-907
Beta activity		-40	pCi/L			RL-7119
Cesium-137	U	-4	pCi/L	4.2	6.7	EPA-907
Neptunium-237		-0.0375	pCi/L	0.14	0.3	EPA-907
Plutonium-239		0.23	pCi/L	0.13	0.05	EPA-907
Protactinium-234	U	9.9	pCi/L	33	58	EPA-907
Technetium-99		6.85	pCi/L	26.6	45	DNT
Thorium-230		0.71	pCi/L	0.2	0.14	EPA-907
Uranium-234		0.43	pCi/L	0.15	0.09	EPA-907
Uranium-235/236		-0.0148	pCi/L	0.05	0.14	EPA-907
Uranium-238		0.18	pCi/L	0.12	0.16	EPA-907
<b>VOA</b>						
1,1-Dichloroethene	B	0.375	mg/L		0.001	SW846-8260
cis-1,2-Dichloroethene	J	0.0014	mg/L		0.0005	SW846-8260
cis-1,2-Dichloroethene	J	0.00072	mg/L		0.001	SW846-8260
trans-1,2-Dichloroethene	U	0.00048	mg/L		0.0005	SW846-8260
trans-1,2-Dichloroethene	U	0.001	mg/L		0.001	SW846-8260
Trichloroethene		0.0895	mg/L		0.001	SW846-8260
Trichloroethene		0.1	mg/L		0.0004	SW846-8260
Vinyl chloride	U	0.0013	mg/L		0.0013	SW846-8260

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## SWMU2-10

### 1020903

### WAG 22 (SWMU 2)

#### S10614

Collected: 8/13/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Alkalinity		150	mg/L		2.8	EPA-310.2
Alkalinity as CO3	U	2.8	mg/L CaC		2.8	EPA-310.2
Alkalinity as HCO3		150	mg/L CaC		2.8	EPA-310.2
Chloride		10	mg/L		0.084	EPA-300
Fluoride		0.7	mg/L		0.023	EPA-300
Nitrate/Nitrite		0.23	mg/L		0.007	EPA-353.2
Sulfate		15	mg/L		0.021	EPA-300
<b>Field P</b>						
Dissolved Oxygen		8.4	mg/L			
pH		7.7	Std Unit			
Redox		110	Std Unit			
Specific Conductivity (PIP)		0.29	umho/cm			
Temperature		64.44	deg F			
<b>METAL</b>						
Beryllium		0.015	mg/L		0.2	SW846-6010
Calcium		87	mg/L		44	SW846-6010
Magnesium		27	mg/L		24	SW846-6010
Manganese		15	mg/L		0.29	SW846-6010
Potassium		22	mg/L		18	SW846-6010
Sodium		17	mg/L		37	SW846-6010
Uranium	U	0.009	mg/L		9	SW846-6010
Vanadium		0.37	mg/L		1.7	SW846-6010
<b>RADS</b>						
Alpha activity		-70	pCi/L			RL-7119
Americium-241		0.22	pCi/L	0.11	0.04	EPA-907
Cesium-137	U	2.1	pCi/L	3.7	6.8	EPA-907
Neptunium-237		-0.13	pCi/L	0.11	0.29	EPA-907
Plutonium-239		4.29	pCi/L	0.58	0.35	EPA-907
Protactinium-234	U	3.1	pCi/L	29	53	EPA-907
Technetium-99		2.33	pCi/L	6.74	11.4	DNT
Thorium-230		0.4	pCi/L	0.16	0.15	EPA-907
Uranium-234		1.14	pCi/L	0.27	0.23	EPA-907
Uranium-235/236		0.08	pCi/L	0.09	0.12	EPA-907
Uranium-238		1.08	pCi/L	0.24	0.13	EPA-907
<b>VOA</b>						
1,1-Dichloroethene	EB	1.45	mg/L		0.001	SW846-8260
cis-1,2-Dichloroethene	J	0.00029	mg/L		0.001	SW846-8260
cis-1,2-Dichloroethene	U	0.00047	mg/L		0.0005	SW846-8260
trans-1,2-Dichloroethene	U	0.00048	mg/L		0.0005	SW846-8260
trans-1,2-Dichloroethene	U	0.001	mg/L		0.001	SW846-8260
Trichloroethene		0.0299	mg/L		0.001	SW846-8260
Trichloroethene		0.052	mg/L		0.0004	SW846-8260
Vinyl chloride	U	0.0013	mg/L		0.0013	SW846-8260

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## SWMU2-10

### 1020903

### WAG 22 (SWMU 2)

#### S10615

Collected: 8/13/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Alkalinity		83	mg/L		2.8	EPA-310.2
Alkalinity as CO3	U	2.8	mg/L CaC		2.8	EPA-310.2
Alkalinity as HCO3		83	mg/L CaC		2.8	EPA-310.2
Chloride		9.6	mg/L		0.084	EPA-300
Fluoride		0.63	mg/L		0.023	EPA-300
Nitrate/Nitrite		0.25	mg/L		0.007	EPA-353.2
Sulfate		12	mg/L		0.021	EPA-300
<b>Field P</b>						
Depth to Water		44.67	ft			
Dissolved Oxygen		4.1	mg/L			
pH		6.6	Std Unit			
Redox		142	Std Unit			
Specific Conductivity (PIP)		0.2	umho/cm			
Temperature		69.84	deg F			
<b>METAL</b>						
Beryllium		0.0026	mg/L		0.2	SW846-6010
Calcium		24	mg/L		44	SW846-6010
Magnesium		8.8	mg/L		24	SW846-6010
Manganese		3	mg/L		0.29	SW846-6010
Potassium		3.6	mg/L		18	SW846-6010
Sodium		15	mg/L		37	SW846-6010
Uranium	U	0.009	mg/L		9	SW846-6010
Vanadium		0.074	mg/L		1.7	SW846-6010
<b>RADS</b>						
Alpha activity		-60	pCi/L			RL-7119
Americium-241		0.29	pCi/L	0.14	0.15	EPA-907
Beta activity		-80	pCi/L			RL-7119
Cesium-137	U	1.9	pCi/L	4.2	7.7	EPA-907
Neptunium-237		0.11	pCi/L	0.11	0.14	EPA-907
Plutonium-239		0.06	pCi/L	0.07	0.11	EPA-907
Protactinium-234	U	13	pCi/L	32	55	EPA-907
Technetium-99		7.72	pCi/L	6.81	11.4	DNT
Thorium-230		0.54	pCi/L	0.17	0.14	EPA-907
Uranium-234		0.57	pCi/L	0.2	0.23	EPA-907
Uranium-235/236		0.05	pCi/L	0.08	0.15	EPA-907
Uranium-238		0.48	pCi/L	0.17	0.17	EPA-907
<b>VOA</b>						
1,1-Dichloroethene	B	0.0715	mg/L		0.001	SW846-8260
cis-1,2-Dichloroethene	J	0.00038	mg/L		0.001	SW846-8260
cis-1,2-Dichloroethene	U	0.00047	mg/L		0.0005	SW846-8260
trans-1,2-Dichloroethene	U	0.00048	mg/L		0.0005	SW846-8260
trans-1,2-Dichloroethene	U	0.001	mg/L		0.001	SW846-8260
Trichloroethene		0.0464	mg/L		0.001	SW846-8260
Trichloroethene		0.035	mg/L		0.0004	SW846-8260
Vinyl chloride	U	0.0013	mg/L		0.0013	SW846-8260

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**SWMU2-13**

**1020903**

**WAG 22 (SWMU 2)**

**S13611**

Collected: 8/7/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Alkalinity		230	mg/L		2.8	EPA-310.2
Alkalinity as CO3	U	2.8	mg/L CaC		2.8	EPA-310.2
Alkalinity as HCO3		230	mg/L CaC		2.8	EPA-310.2
Chloride		130	mg/L		0.084	EPA-300
Fluoride		1.4	mg/L		0.023	EPA-300
Nitrate/Nitrite		0.61	mg/L		0.007	EPA-353.2
Sulfate		31	mg/L		0.021	EPA-300
<b>Field P</b>						
Depth to Water		35.14	ft			
Dissolved Oxygen		6.8	mg/L			
pH		8.3	Std Unit			
Redox		65	Std Unit			
Specific Conductivity (PIP)		0.79	umho/cm			
Temperature		82.44	deg F			
<b>METAL</b>						
Beryllium		0.069	mg/L		0.2	SW846-6010
Calcium		160	mg/L		44	SW846-6010
Iron		1800	mg/L		18	SW846-6010
Magnesium		100	mg/L		24	SW846-6010
Manganese		26	mg/L		0.29	SW846-6010
Potassium		86	mg/L		18	SW846-6010
Sodium		120	mg/L		37	SW846-6010
Uranium	U	0.009	mg/L		9	SW846-6010
Vanadium		1.9	mg/L		1.7	SW846-6010
<b>RADS</b>						
Alpha activity		-20	pCi/L			RL-7119
Americium-241		1.39	pCi/L	0.46	0.5	EPA-907
Beta activity		40	pCi/L			RL-7119
Cesium-137	U	2.9	pCi/L	4.7	8.6	EPA-907
Neptunium-237		-0.0194	pCi/L	0.14	0.29	EPA-907
Plutonium-239		0.04	pCi/L	0.11	0.21	EPA-907
Protactinium-234	U	3.7	pCi/L	30	54	EPA-907
Technetium-99		36.3	pCi/L	7.16	11.4	DNT
Thorium-230		0.19	pCi/L	0.15	0.23	EPA-907
Uranium-234		14.2	pCi/L	0.84	0.18	EPA-907
Uranium-235/236		0.88	pCi/L	0.24	0.12	EPA-907
Uranium-238		17.6	pCi/L	0.93	0.09	EPA-907
<b>VOA</b>						
1,1-Dichloroethene	JB	1.79	mg/L		0.1255	SW846-8260
cis-1,2-Dichloroethene		0.4	mg/L		0.1255	SW846-8260
cis-1,2-Dichloroethene		0.75	mg/L		0.0047	SW846-8260
trans-1,2-Dichloroethene	U	0.1255	mg/L		0.1255	SW846-8260
trans-1,2-Dichloroethene	J	0.0043	mg/L		0.0005	SW846-8260
Trichloroethene		4.7	mg/L		0.039	SW846-8260
Trichloroethene		5.35	mg/L		0.1255	SW846-8260
Vinyl chloride	J	0.0014	mg/L		0.0013	SW846-8260



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SWMU2-13

1020903

WAG 22 (SWMU 2)

S13612

Collected: 8/8/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Alkalinity		230	mg/L		2.8	EPA-310.2
Alkalinity as CO3	U	2.8	mg/L CaC		2.8	EPA-310.2
Alkalinity as HCO3		230	mg/L CaC		2.8	EPA-310.2
Chloride		90	mg/L		0.084	EPA-300
Fluoride		1.2	mg/L		0.023	EPA-300
Nitrate/Nitrite	U	0.0075	mg/L		0.007	EPA-353.2
Sulfate		23	mg/L		0.021	EPA-300
<b>Field P</b>						
Depth to Water		46.12	ft			
Dissolved Oxygen		5.5	mg/L			
pH		6.5	Std Unit			
Redox		62	Std Unit			
Specific Conductivity (PIP)		0.62	umho/cm			
Temperature		71.64	deg F			
<b>METAL</b>						
Beryllium		0.087	mg/L		0.2	SW846-6010
Calcium		200	mg/L		44	SW846-6010
Iron		2000	mg/L		18	SW846-6010
Magnesium		110	mg/L		24	SW846-6010
Manganese		39	mg/L		0.29	SW846-6010
Potassium		84	mg/L		18	SW846-6010
Sodium		72	mg/L		37	SW846-6010
Uranium	U	0.009	mg/L		9	SW846-6010
Vanadium		1.7	mg/L		1.7	SW846-6010
<b>RADS</b>						
Alpha activity		30	pCi/L			RL-7119
Americium-241		0.08	pCi/L	0.1	0.16	EPA-907
Beta activity		240	pCi/L			RL-7119
Cesium-137	U	-2.1	pCi/L	5	8.4	EPA-907
Neptunium-237		0.16	pCi/L	0.15	0.23	EPA-907
Plutonium-239		0.11	pCi/L	0.08	0.04	EPA-907
Protactinium-234	U	-1.7	pCi/L	38	65	EPA-907
Technetium-99		14.6	pCi/L	6.89	11.4	DNT
Thorium-230		0.84	pCi/L	0.23	0.2	EPA-907
Uranium-234		0.91	pCi/L	0.23	0.2	EPA-907
Uranium-235/236		0.03	pCi/L	0.07	0.15	EPA-907
Uranium-238		0.76	pCi/L	0.2	0.14	EPA-907
<b>VOA</b>						
1,1-Dichloroethene	B	0.356	mg/L		0.001	SW846-8260
cis-1,2-Dichloroethene		0.2	mg/L		0.0005	SW846-8260
cis-1,2-Dichloroethene		0.221	mg/L		0.001	SW846-8260
trans-1,2-Dichloroethene	J	0.001	mg/L		0.0005	SW846-8260
trans-1,2-Dichloroethene	J	0.00075	mg/L		0.001	SW846-8260
Trichloroethene		1.6	mg/L		0.0039	SW846-8260
Trichloroethene	E	1.1	mg/L		0.001	SW846-8260
Vinyl chloride	U	0.0013	mg/L		0.0013	SW846-8260

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**SWMU2-13**

**1020903**

**WAG 22 (SWMU 2)**

**S13613**

Collected: 8/8/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Alkalinity		170	mg/L		2.8	EPA-310.2
Alkalinity as CO3	U	2.8	mg/L CaC		2.8	EPA-310.2
Alkalinity as HCO3		170	mg/L CaC		2.8	EPA-310.2
Chloride		41	mg/L		0.084	EPA-300
Fluoride		0.86	mg/L		0.023	EPA-300
Nitrate/Nitrite		0.13	mg/L		0.007	EPA-353.2
Sulfate		15	mg/L		0.021	EPA-300
<b>Field P</b>						
Dissolved Oxygen		3.8	mg/L			
pH		7.3	Std Unit			
Specific Conductivity (PIP)		0.38	umho/cm			
Temperature		73.44	deg F			
<b>METAL</b>						
Beryllium		0.068	mg/L		0.2	SW846-6010
Calcium		96	mg/L		44	SW846-6010
Iron		23000	mg/L		18	SW846-6010
Magnesium		65	mg/L		24	SW846-6010
Manganese		65	mg/L		0.29	SW846-6010
Potassium		58	mg/L		18	SW846-6010
Sodium		45	mg/L		37	SW846-6010
Uranium	U	0.009	mg/L		9	SW846-6010
Vanadium		1.3	mg/L		1.7	SW846-6010
<b>RADS</b>						
Alpha activity		10	pCi/L			RL-7119
Americium-241		0.18	pCi/L	0.15	0.24	EPA-907
Beta activity		190	pCi/L			RL-7119
Cesium-137	U	-1.2	pCi/L	4.4	7.6	EPA-907
Neptunium-237		0.06	pCi/L	0.17	0.32	EPA-907
Plutonium-239		0.15	pCi/L	0.12	0.16	EPA-907
Protactinium-234	U	-18	pCi/L	39	55	EPA-907
Technetium-99		5.32	pCi/L	6.78	11.4	DNT
Thorium-230		1.05	pCi/L	0.28	0.27	EPA-907
Uranium-234		3.35	pCi/L	0.41	0.23	EPA-907
Uranium-235/236		0.28	pCi/L	0.15	0.18	EPA-907
Uranium-238		3.94	pCi/L	0.43	0.17	EPA-907
<b>VOA</b>						
1,1-Dichloroethene	B	3.55	mg/L		0.0714	SW846-8260
cis-1,2-Dichloroethene	J	0.0605	mg/L		0.0714	SW846-8260
cis-1,2-Dichloroethene		0.058	mg/L		0.0005	SW846-8260
trans-1,2-Dichloroethene	U	0.0714	mg/L		0.0714	SW846-8260
trans-1,2-Dichloroethene	U	0.00048	mg/L		0.0005	SW846-8260
Trichloroethene		0.422	mg/L		0.0714	SW846-8260
Trichloroethene		0.27	mg/L		0.002	SW846-8260
Vinyl chloride	U	0.0013	mg/L		0.0013	SW846-8260

**SWMU2-13**

**1020903**

**WAG 22 (SWMU 2)**

**S13614**

Collected: 9/9/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Alkalinity		150	mg/L		2.8	EPA-310.2
Alkalinity as CO3	U	2.8	mg/L CaC		2.8	EPA-310.2
Alkalinity as HCO3		150	mg/L CaC		2.8	EPA-310.2
Chloride		21	mg/L		0.084	EPA-300
Fluoride		0.75	mg/L		0.023	EPA-300
Nitrate/Nitrite		0.11	mg/L		0.007	EPA-353.2
Sulfate		12	mg/L		0.021	EPA-300
<b>Field P</b>						
Depth to Water		67.88	ft			
Dissolved Oxygen		5.8	mg/L			
pH		7.6	Std Unit			
Redox		90	Std Unit			
Specific Conductivity (PIP)		0.47	umho/cm			
Temperature		68.04	deg F			
<b>METAL</b>						
Beryllium		0.035	mg/L		0.2	SW846-6010
Calcium		60	mg/L		44	SW846-6010
Iron		1500	mg/L		18	SW846-6010
Magnesium		35	mg/L		24	SW846-6010
Manganese		43	mg/L		0.29	SW846-6010
Potassium		26	mg/L		18	SW846-6010
Sodium		24	mg/L		37	SW846-6010
Uranium	U	0.009	mg/L		9	SW846-6010
Vanadium		0.65	mg/L		1.7	SW846-6010
<b>RADS</b>						
Americium-241		0.43	pCi/L	0.19	0.2	EPA-907
Beta activity		90	pCi/L			RL-7119
Cesium-137	U	-2.9	pCi/L	3.9	6.5	EPA-907
Neptunium-237		-0.0565	pCi/L	0.11	0.27	EPA-907
Plutonium-239		0.05	pCi/L	0.1	0.19	EPA-907
Protactinium-234	U	20	pCi/L	36	54	EPA-907
Technetium-99		-3.55	pCi/L	6.67	11.4	DNT
Thorium-230		0.33	pCi/L	0.15	0.15	EPA-907
Uranium-234		2.28	pCi/L	0.34	0.18	EPA-907
Uranium-235/236		0.22	pCi/L	0.12	0.11	EPA-907
Uranium-238		2.56	pCi/L	0.36	0.18	EPA-907
<b>VOA</b>						
1,1-Dichloroethene	JB	0.0651	mg/L		0.0668	SW846-8260
cis-1,2-Dichloroethene	U	0.0668	mg/L		0.0668	SW846-8260
cis-1,2-Dichloroethene		0.034	mg/L		0.0047	SW846-8260
trans-1,2-Dichloroethene	U	0.0668	mg/L		0.0668	SW846-8260
trans-1,2-Dichloroethene	U	0.0048	mg/L		0.0048	SW846-8260
Trichloroethene	J	0.0137	mg/L		0.0668	SW846-8260
Trichloroethene		0.37	mg/L		0.0039	SW846-8260

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SWMU2-16

1020903

WAG 22 (SWMU 2)

S16611

Collected: 8/19/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Alkalinity		220	mg/L		2.8	EPA-310.2
Alkalinity as CO3	U	2.8	mg/L CaC		2.8	EPA-310.2
Alkalinity as HCO3		220	mg/L CaC		2.8	EPA-310.2
Chloride		10	mg/L		0.084	EPA-300
Fluoride		1.1	mg/L		0.023	EPA-300
Nitrate/Nitrite		0.23	mg/L		0.007	EPA-353.2
Sulfate		6.3	mg/L		0.021	EPA-300
<b>Field P</b>						
Depth to Water		46	ft			
Dissolved Oxygen		10.6	mg/L			
pH		6.7	Std Unit			
Specific Conductivity (PIP)		0.39	umho/cm			
Temperature		80.64	deg F			
<b>METAL</b>						
Beryllium		0.04	mg/L		0.2	SW846-6010
Calcium		220	mg/L		44	SW846-6010
Magnesium		67	mg/L		24	SW846-6010
Manganese		32	mg/L		0.29	SW846-6010
Potassium		50	mg/L		18	SW846-6010
Sodium		15	mg/L		37	SW846-6010
Uranium	B	0.15	mg/L		9.2	SW846-6010
Vanadium		0.6	mg/L		1.7	SW846-6010
<b>RADS</b>						
Alpha activity	U	610	pCi/L			RL-7119
Americium-241		0.28	pCi/L	0.12	0.04	EPA-907
Beta activity	U	680	pCi/L			RL-7119
Cesium-137	U	-0.32	pCi/L	3.5	6.1	EPA-907
Neptunium-237		0.6	pCi/L	0.23	0.21	EPA-907
Plutonium-239		0.79	pCi/L	0.22	0.04	EPA-907
Protactinium-234	U	-9.9	pCi/L	31	50	EPA-907
Technetium-99		-3.43	pCi/L	6.86	11.7	DNT
Thorium-230		0.21	pCi/L	0.12	0.14	EPA-907
Uranium-234		0.61	pCi/L	0.19	0.15	EPA-907
Uranium-235/236		0.16	pCi/L	0.11	0.12	EPA-907
Uranium-238		2.12	pCi/L	0.32	0.09	EPA-907
<b>VOA</b>						
1,1-Dichloroethene	JB	4.21	mg/L		0.01	SW846-8260
cis-1,2-Dichloroethene	U	0.00047	mg/L		0.0005	SW846-8260
cis-1,2-Dichloroethene	U	0.01	mg/L		0.01	SW846-8260
trans-1,2-Dichloroethene	U	0.00048	mg/L		0.0005	SW846-8260
trans-1,2-Dichloroethene	U	0.01	mg/L		0.01	SW846-8260
Trichloroethene	J	0.0043	mg/L		0.0004	SW846-8260
Trichloroethene	J	0.00324	mg/L		0.01	SW846-8260
Vinyl chloride	U	0.0013	mg/L		0.0013	SW846-8260

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**SWMU2-16**

**1020903**

**WAG 22 (SWMU 2)**

**S16612**

Collected: 8/19/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Alkalinity		160	mg/L		2.8	EPA-310.2
Alkalinity as CO3	U	2.8	mg/L CaC		2.8	EPA-310.2
Alkalinity as HCO3		160	mg/L CaC		2.8	EPA-310.2
Chloride		9.9	mg/L		0.084	EPA-300
Fluoride		0.79	mg/L		0.023	EPA-300
Nitrate/Nitrite		0.25	mg/L		0.007	EPA-353.2
Sulfate		8.5	mg/L		0.021	EPA-300
<b>Field P</b>						
Depth to Water		43	ft			
Dissolved Oxygen		4.6	mg/L			
pH		6.6	Std Unit			
Redox		152	Std Unit			
Specific Conductivity (PIP)		0.31	umho/cm			
Temperature		78.84	deg F			
<b>METAL</b>						
Arsenic		0.081	mg/L		2.6	SW846-6010
Barium		2.4	mg/L		0.8	SW846-6010
Beryllium		0.017	mg/L		0.2	SW846-6010
Beryllium		0.017	mg/L		0.2	SW846-6010
Cadmium		0.012	mg/L		0.31	SW846-6010
Chromium		0.35	mg/L		1.8	SW846-6010
Manganese		19	mg/L		24	SW846-6010
Manganese		19	mg/L		0.29	SW846-6010
Nickel		0.33	mg/L		7.4	SW846-6010
Silver	U	0.0045	mg/L		4.5	SW846-6010
Thallium	U	0.0037	mg/L		3.7	SW846-6010
Uranium	U	0.009	mg/L		9	SW846-6010
Uranium	U	0.009	mg/L		9	SW846-6010
Vanadium		0.28	mg/L		1.7	SW846-6010
Vanadium		0.28	mg/L		1.7	SW846-6010
<b>RADS</b>						
Alpha activity	U	610	pCi/L			RL-7119
Americium-241		0.32	pCi/L	0.15	0.11	EPA-907
Beta activity	U	680	pCi/L			RL-7119
Cesium-137	U	1.8	pCi/L	3.6	6.6	EPA-907
Neptunium-237		0.46	pCi/L	0.26	0.36	EPA-907
Plutonium-239		0.22	pCi/L	0.13	0.15	EPA-907
Protactinium-234	U	-12	pCi/L	33	52	EPA-907
Technetium-99		-1.74	pCi/L	6.89	11.7	DNT
Thorium-230		0.38	pCi/L	0.16	0.18	EPA-907
Uranium-234		13.9	pCi/L	0.82	0.19	EPA-907
Uranium-235/236		2.43	pCi/L	0.38	0.14	EPA-907
Uranium-238		91.7	pCi/L	2.09	0.09	EPA-907
<b>VOA</b>						
1,1-Dichloroethene	JB	1.09	mg/L		0.01	SW846-8260
cis-1,2-Dichloroethene	U	0.01	mg/L		0.01	SW846-8260
cis-1,2-Dichloroethene	U	0.00047	mg/L		0.0005	SW846-8260
trans-1,2-Dichloroethene	U	0.01	mg/L		0.01	SW846-8260
trans-1,2-Dichloroethene	U	0.00048	mg/L		0.0005	SW846-8260

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**SWMU2-16**

**1020903**

**WAG 22 (SWMU 2)**

Trichloroethene	J	0.0064	mg/L	0.01	SW846-8260
Trichloroethene		0.0072	mg/L	0.0004	SW846-8260
Vinyl chloride	U	0.0013	mg/L	0.0013	SW846-8260

**S16613**

Collected: 8/19/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Alkalinity		160	mg/L		2.8	EPA-310.2
Alkalinity as CO3	U	2.8	mg/L CaC		2.8	EPA-310.2
Alkalinity as HCO3		160	mg/L CaC		2.8	EPA-310.2
Chloride		11	mg/L		0.084	EPA-300
Fluoride		1.1	mg/L		0.023	EPA-300
Nitrate/Nitrite		0.19	mg/L		0.007	EPA-353.2
Sulfate		8.5	mg/L		0.021	EPA-300
<b>Field P</b>						
Depth to Water		45	ft			
Dissolved Oxygen		10.2	mg/L			
pH		7	Std Unit			
Redox		152	Std Unit			
Specific Conductivity (PIP)		0.35	umho/cm			
Temperature		82.44	deg F			
<b>METAL</b>						
Beryllium		0.029	mg/L		0.2	SW846-6010
Calcium		95	mg/L		44	SW846-6010
Magnesium		41	mg/L		24	SW846-6010
Manganese		23	mg/L		0.29	SW846-6010
Potassium		31	mg/L		18	SW846-6010
Sodium		14	mg/L		37	SW846-6010
Uranium	U	0.0092	mg/L		9.2	SW846-6010
Vanadium		0.48	mg/L		1.7	SW846-6010
<b>RADS</b>						
Alpha activity	U	610	pCi/L			RL-7119
Americium-241		1.13	pCi/L	0.33	0.24	EPA-907
Beta activity	U	680	pCi/L			RL-7119
Cesium-137	U	-0.6	pCi/L	3.7	6.5	EPA-907
Neptunium-237		0.24	pCi/L	0.17	0.23	EPA-907
Plutonium-239		0.15	pCi/L	0.13	0.18	EPA-907
Protactinium-234	U	-28	pCi/L	43	45	EPA-907
Technetium-99		5.03	pCi/L	6.99	11.7	DNT
Thorium-230		0.41	pCi/L	0.16	0.17	EPA-907
Uranium-234		9.97	pCi/L	0.71	0.16	EPA-907
Uranium-235/236		1.32	pCi/L	0.29	0.12	EPA-907
Uranium-238		57.8	pCi/L	1.7	0.16	EPA-907
<b>VOA</b>						
1,1-Dichloroethene	JB	0.008	mg/L		0.001	SW846-8260
cis-1,2-Dichloroethene	U	0.00047	mg/L		0.0005	SW846-8260
cis-1,2-Dichloroethene	U	0.001	mg/L		0.001	SW846-8260
trans-1,2-Dichloroethene	U	0.00048	mg/L		0.0005	SW846-8260
trans-1,2-Dichloroethene	U	0.001	mg/L		0.001	SW846-8260
Trichloroethene		0.0049	mg/L		0.001	SW846-8260
Trichloroethene		0.011	mg/L		0.0004	SW846-8260
Vinyl chloride	U	0.0013	mg/L		0.0013	SW846-8260

**SWMU2-17**

**1020903**

**WAG 22 (SWMU 2)**

**S17612**

Collected: 8/24/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Alkalinity		120	mg/L		2.8	EPA-310.2
Alkalinity as CO3	U	2.8	mg/L CaC		2.8	EPA-310.2
Alkalinity as HCO3		120	mg/L CaC		2.8	EPA-310.2
Chloride		21	mg/L		0.084	EPA-300
Fluoride		0.91	mg/L		0.023	EPA-300
Nitrate/Nitrite		0.19	mg/L		0.007	EPA-353.2
Sulfate		6.6	mg/L		0.021	EPA-300
<b>Field P</b>						
Depth to Water		59	ft			
Dissolved Oxygen		10.2	mg/L			
pH		6.3	Std Unit			
Redox		135	Std Unit			
Specific Conductivity (PIP)		0.34	umho/cm			
Temperature		73.44	deg F			
<b>METAL</b>						
Beryllium		0.04	mg/L		0.2	SW846-6010
Calcium		78	mg/L		44	SW846-6010
Iron		690	mg/L		13	SW846-6010
Magnesium		52	mg/L		24	SW846-6010
Manganese		26	mg/L		0.29	SW846-6010
Potassium		69	mg/L		18	SW846-6010
Sodium		16	mg/L		37	SW846-6010
Uranium	U	0.0092	mg/L		9.2	SW846-6010
Vanadium		0.83	mg/L		1.7	SW846-6010
<b>RADS</b>						
Americium-241		0.11	pCi/L	0.1	0.15	EPA-907
Beta activity		30	pCi/L			RL-7119
Cesium-137	U	-0.15	pCi/L	3.8	6.7	EPA-907
Neptunium-237		0.21	pCi/L	0.12	0.15	EPA-907
Plutonium-239		0.05	pCi/L	0.07	0.1	EPA-907
Protactinium-234	U	1.4	pCi/L	30	54	EPA-907
Technetium-99		77.1	pCi/L	7.86	11.8	DNT
Thorium-230		0.49	pCi/L	0.18	0.19	EPA-907
Uranium-234		50.6	pCi/L	1.57	0.15	EPA-907
Uranium-235/236		6.47	pCi/L	0.62	0.04	EPA-907
Uranium-238		55.1	pCi/L	1.64	0.09	EPA-907
<b>VOA</b>						
1,1-Dichloroethene	JB	0.0165	mg/L		0.001	SW846-8260
cis-1,2-Dichloroethene	UJ	0.001	mg/L		0.001	SW846-8260
cis-1,2-Dichloroethene	U	0.00047	mg/L		0.0005	SW846-8260
trans-1,2-Dichloroethene	UJ	0.001	mg/L		0.001	SW846-8260
trans-1,2-Dichloroethene	U	0.00048	mg/L		0.0005	SW846-8260
Trichloroethene	J	0.00049	mg/L		0.001	SW846-8260
Trichloroethene	U	0.00039	mg/L		0.0004	SW846-8260
Vinyl chloride	U	0.0013	mg/L		0.0013	SW846-8260

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1020903

WAG 22 (SWMU 2)

S17613

Collected: 8/24/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Alkalinity		100	mg/L		2.8	EPA-310.2
Alkalinity as CO3	U	2.8	mg/L CaC		2.8	EPA-310.2
Alkalinity as HCO3		100	mg/L CaC		2.8	EPA-310.2
Chloride		28	mg/L		0.084	EPA-300
Cyanide		0.0075	mg/L		2.4	SW846-9012
Fluoride		0.76	mg/L		0.023	EPA-300
Nitrate/Nitrite		0.21	mg/L		0.007	EPA-353.2
Sulfate		6.2	mg/L		0.021	EPA-300
<b>Field P</b>						
Depth to Water		75	ft			
Dissolved Oxygen		10.7	mg/L			
pH		6.6	Std Unit			
Redox		153	Std Unit			
Specific Conductivity (PIP)		0.25	umho/cm			
Temperature		78.84	deg F			
<b>METAL</b>						
Beryllium		0.03	mg/L		0.2	SW846-6010
Calcium		52	mg/L		44	SW846-6010
Magnesium		36	mg/L		24	SW846-6010
Manganese		41	mg/L		0.29	SW846-6010
Potassium		48	mg/L		18	SW846-6010
Sodium		15	mg/L		37	SW846-6010
Uranium	U	0.0092	mg/L		9.2	SW846-6010
Vanadium		0.61	mg/L		1.7	SW846-6010
<b>RADS</b>						
Alpha activity		50	pCi/L			RL-7119
Americium-241		0.08	pCi/L	0.13	0.22	EPA-907
Beta activity		-80	pCi/L			RL-7119
Cesium-137	U	0.54	pCi/L	3.8	6.7	EPA-907
Neptunium-237		0.04	pCi/L	0.09	0.17	EPA-907
Plutonium-239		0.03	pCi/L	0.06	0.12	EPA-907
Protactinium-234	U	-16	pCi/L	35	52	EPA-907
Technetium-99		17.1	pCi/L	7.18	11.8	DNT
Thorium-230		0.61	pCi/L	0.17	0.04	EPA-907
Uranium-234		12.3	pCi/L	0.78	0.15	EPA-907
Uranium-235/236		1.41	pCi/L	0.3	0.19	EPA-907
Uranium-238		14.9	pCi/L	0.85	0.12	EPA-907
<b>VOA</b>						
1,1-Dichloroethene	JB	0.159	mg/L		0.001	SW846-8260
cis-1,2-Dichloroethene	U	0.00047	mg/L		0.0005	SW846-8260
cis-1,2-Dichloroethene	J	0.00041	mg/L		0.001	SW846-8260
trans-1,2-Dichloroethene	U	0.00048	mg/L		0.0005	SW846-8260
trans-1,2-Dichloroethene	UJ	0.001	mg/L		0.001	SW846-8260
Trichloroethene	J	0.00026	mg/L		0.001	SW846-8260
Trichloroethene	U	0.00039	mg/L		0.0004	SW846-8260
Vinyl chloride	U	0.0013	mg/L		0.0013	SW846-8260



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**SWMU2-17**

**1020903**

**WAG 22 (SWMU 2)**

**S17614**

Collected: 8/24/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Alkalinity		130	mg/L		2.8	EPA-310.2
Alkalinity as CO3	U	2.8	mg/L CaC		2.8	EPA-310.2
Alkalinity as HCO3		130	mg/L CaC		2.8	EPA-310.2
Chloride		16	mg/L		0.084	EPA-300
Cyanide		0.013	mg/L		2.4	SW846-9012
Fluoride		0.86	mg/L		0.023	EPA-300
Nitrate/Nitrite		0.21	mg/L		0.007	EPA-353.2
Sulfate		9.4	mg/L		0.021	EPA-300
<b>Field P</b>						
Depth to Water		85	ft			
Dissolved Oxygen		10.9	mg/L			
pH		6.8	Std Unit			
Redox		159	Std Unit			
Specific Conductivity (PIP)		0.26	umho/cm			
Temperature		73.44	deg F			
<b>METAL</b>						
Beryllium		0.044	mg/L		0.2	SW846-6010
Calcium		62	mg/L		44	SW846-6010
Magnesium		35	mg/L		24	SW846-6010
Manganese		80	mg/L		0.29	SW846-6010
Potassium		32	mg/L		18	SW846-6010
Sodium		15	mg/L		37	SW846-6010
Uranium	U	0.0092	mg/L		9.2	SW846-6010
Vanadium		0.73	mg/L		1.7	SW846-6010
<b>RADS</b>						
Alpha activity		-30	pCi/L			RL-7119
Americium-241		0.15	pCi/L	0.12	0.16	EPA-907
Beta activity		50	pCi/L			RL-7119
Cesium-137	U	1.2	pCi/L	3.8	6.6	EPA-907
Neptunium-237		0.15	pCi/L	0.12	0.18	EPA-907
Plutonium-239		0.05	pCi/L	0.07	0.12	EPA-907
Protactinium-234	U	0.58	pCi/L	28	50	EPA-907
Technetium-99		20	pCi/L	7.22	11.8	DNT
Thorium-230		0.51	pCi/L	0.16	0.09	EPA-907
Uranium-234		16.3	pCi/L	0.91	0.24	EPA-907
Uranium-235/236		1.7	pCi/L	0.33	0.15	EPA-907
Uranium-238		19.6	pCi/L	0.99	0.12	EPA-907
<b>VOA</b>						
1,1-Dichloroethene	EJB	3.3	mg/L		0.001	SW846-8260
1,1-Dichloroethene	JB	2	mg/L		0.05	SW846-8260
cis-1,2-Dichloroethene	U	0.00047	mg/L		0.0005	SW846-8260
cis-1,2-Dichloroethene	J	0.0232	mg/L		0.05	SW846-8260
cis-1,2-Dichloroethene	UJ	0.001	mg/L		0.001	SW846-8260
trans-1,2-Dichloroethene	UJ	0.05	mg/L		0.05	SW846-8260
trans-1,2-Dichloroethene	U	0.00048	mg/L		0.0005	SW846-8260
trans-1,2-Dichloroethene	UJ	0.001	mg/L		0.001	SW846-8260
Trichloroethene	U	0.05	mg/L		0.05	SW846-8260
Trichloroethene	J	0.0017	mg/L		0.0004	SW846-8260
Trichloroethene		0.00104	mg/L		0.001	SW846-8260

**SWMU2-17**

**1020903**

**WAG 22 (SWMU 2)**

Vinyl chloride U 0.0013 mg/L 0.0013 SW846-8260

**S17611**

Collected: 9/29/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Alkalinity		99	mg/L		2.8	EPA-310.2
Alkalinity as CO3	U	2.8	mg/L CaC		2.8	EPA-310.2
Alkalinity as HCO3		99	mg/L CaC		2.8	EPA-310.2
Chloride		4.9	mg/L		0.084	EPA-300
Fluoride		1.3	mg/L		0.023	EPA-300
Nitrate/Nitrite		0.94	mg/L		0.007	EPA-353.2
Sulfate		200	mg/L		0.021	EPA-300
<b>Field P</b>						
Depth to Water		17	ft			
Dissolved Oxygen		7.8	mg/L			
pH		6.2	Std Unit			
Redox		46	Std Unit			
Specific Conductivity (PIP)		0.6	umho/cm			
Temperature		78.84	deg F			
<b>METAL</b>						
Beryllium		0.0006	mg/L		0.2	SW846-6010
Calcium		43	mg/L		44	SW846-6010
Magnesium		17	mg/L		24	SW846-6010
Manganese		3	mg/L		0.29	SW846-6010
Potassium		3.4	mg/L		18	SW846-6010
Sodium		55	mg/L		37	SW846-6010
Uranium	U	0.0092	mg/L		9.2	SW846-6010
Vanadium		0.012	mg/L		1.7	SW846-6010
<b>RADS</b>						
Alpha activity		-50	pCi/L			RL-7119
Americium-241		0.19	pCi/L	0.12	0.13	EPA-907
Beta activity		290	pCi/L			RL-7119
Cesium-137	U	0.63	pCi/L	5	7.9	EPA-907
Neptunium-237		-0.0125	pCi/L	0.04	0.12	EPA-907
Plutonium-239		0.03	pCi/L	0.05	0.1	EPA-907
Protactinium-234	U	-1.3	pCi/L	35	53	EPA-907
Technetium-99		65.7	pCi/L	7.64	11.7	DNT
Thorium-230		0.63	pCi/L	0.25	0.33	EPA-907
Uranium-234		10.3	pCi/L	0.71	0.12	EPA-907
Uranium-235/236		1.1	pCi/L	0.26	0.12	EPA-907
Uranium-238		55.8	pCi/L	1.66	0.15	EPA-907
<b>VOA</b>						
1,1-Dichloroethene	JB	0.153	mg/L		0.01	SW846-8260
cis-1,2-Dichloroethene	U	0.00047	mg/L		0.0005	SW846-8260
cis-1,2-Dichloroethene	UJ	0.01	mg/L		0.01	SW846-8260
trans-1,2-Dichloroethene	U	0.00048	mg/L		0.0005	SW846-8260
trans-1,2-Dichloroethene	UJ	0.01	mg/L		0.01	SW846-8260
Trichloroethene	U	0.01	mg/L		0.01	SW846-8260
Trichloroethene	U	0.00039	mg/L		0.0004	SW846-8260
Vinyl chloride	U	0.0013	mg/L		0.0013	SW846-8260

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**SWMU2-3**

**1020903**

**WAG 22 (SWMU 2)**

**S03611**

Collected: 7/29/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>RADS</b>						
Alpha activity		640	pCi/L			RL-7119
Beta activity		50	pCi/L			RL-7119
<b>VOA</b>						
1,1-Dichloroethene	JB	0.0143	mg/L		0.001	SW846-8260
cis-1,2-Dichloroethene		0.2	mg/L		0.001	SW846-8260
cis-1,2-Dichloroethene		0.28	mg/L		0.0005	SW846-8260
trans-1,2-Dichloroethene	U	0.00048	mg/L		0.0005	SW846-8260
trans-1,2-Dichloroethene	U	0.001	mg/L		0.001	SW846-8260
Trichloroethene		0.0172	mg/L		0.001	SW846-8260
Trichloroethene		0.039	mg/L		0.0004	SW846-8260
Vinyl chloride	JB	0.00076	mg/L		0.001	SW846-8260
Vinyl chloride	J	0.005	mg/L		0.0013	SW846-8260

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## SWMU2-3

1020903

## WAG 22 (SWMU 2)

S03612

Collected: 8/12/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Alkalinity		81	mg/L		2.8	EPA-310.2
Alkalinity as CO3	U	2.8	mg/L CaC		2.8	EPA-310.2
Alkalinity as HCO3		81	mg/L CaC		2.8	EPA-310.2
Chloride		9.9	mg/L		0.084	EPA-300
Fluoride		0.5	mg/L		0.023	EPA-300
Nitrate/Nitrite		0.24	mg/L		0.007	EPA-353.2
Sulfate		8.6	mg/L		0.021	EPA-300
<b>Field P</b>						
Depth to Water		55.86	ft			
Dissolved Oxygen		6.3	mg/L			
pH		5.4	Std Unit			
Redox		112	Std Unit			
Specific Conductivity (PIP)		0.18	umho/cm			
Temperature		75.24	deg F			
<b>METAL</b>						
Beryllium		0.012	mg/L		0.2	SW846-6010
Calcium		21	mg/L		44	SW846-6010
Magnesium		17	mg/L		24	SW846-6010
Manganese		3.5	mg/L		0.29	SW846-6010
Potassium		19	mg/L		18	SW846-6010
Sodium		8.7	mg/L		37	SW846-6010
Uranium	U	0.009	mg/L		9	SW846-6010
Vanadium		0.24	mg/L		1.7	SW846-6010
<b>RADS</b>						
Alpha activity		20	pCi/L			RL-7119
Beta activity		-80	pCi/L			RL-7119
Cesium-137	U	-3.1	pCi/L	4.3	7.1	EPA-907
Neptunium-237		0.06	pCi/L	0.11	0.21	EPA-907
Plutonium-239		0.68	pCi/L	0.21	0.05	EPA-907
Protactinium-234	U	-19	pCi/L	37	51	EPA-907
Technetium-99		3.98	pCi/L	6.76	11.4	DNT
Thorium-230		0.2	pCi/L	0.12	0.16	EPA-907
Uranium-234		3.84	pCi/L	0.42	0.11	EPA-907
Uranium-235/236		0.51	pCi/L	0.17	0.11	EPA-907
Uranium-238		9.07	pCi/L	0.64	0.11	EPA-907
<b>VOA</b>						
1,1-Dichloroethene	B	3.24	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	J	0.00139	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.00047	mg/L		0.0005	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,2-Dichloroethene	U	0.00048	mg/L		0.0005	SW846-8260
Trichloroethene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene	U	0.00039	mg/L		0.0004	SW846-8260
Vinyl chloride	U	0.0013	mg/L		0.0013	SW846-8260

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**SWMU2-3**

**1020903**

**WAG 22 (SWMU 2)**

**S03604**

Collected: 8/14/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Alkalinity		110	mg/L		2.8	EPA-310.2
Alkalinity as CO3	U	2.8	mg/L CaC		2.8	EPA-310.2
Alkalinity as HCO3		110	mg/L CaC		2.8	EPA-310.2
Chloride		12	mg/L		0.084	EPA-300
Fluoride		0.63	mg/L		0.023	EPA-300
Nitrate/Nitrite		0.07	mg/L		0.007	EPA-353.2
Sulfate		13	mg/L		0.021	EPA-300
<b>Field P</b>						
Depth to Water		73.22	ft			
Dissolved Oxygen		8.8	mg/L			
pH		6.5	Std Unit			
Redox		166	Std Unit			
Specific Conductivity (PIP)		0.3	umho/cm			
Temperature		75.24	deg F			
<b>METAL</b>						
Beryllium		0.019	mg/L		0.2	SW846-6010
Calcium		34	mg/L		44	SW846-6010
Magnesium		18	mg/L		24	SW846-6010
Manganese		38	mg/L		0.29	SW846-6010
Potassium		14	mg/L		18	SW846-6010
Sodium		14	mg/L		37	SW846-6010
Uranium	U	0.009	mg/L		9	SW846-6010
Vanadium		0.27	mg/L		1.7	SW846-6010
<b>RADS</b>						
Alpha activity	U	110	pCi/L			RL-7119
Americium-241		0.43	pCi/L	0.16	0.14	EPA-907
Beta activity	U	370	pCi/L			RL-7119
Cesium-137	U	1	pCi/L	3.7	6.5	EPA-907
Neptunium-237		0.12	pCi/L	0.15	0.26	EPA-907
Plutonium-239		0.07	pCi/L	0.07	0.04	EPA-907
Protactinium-234	U	13	pCi/L	32	52	EPA-907
Technetium-99		-1.66	pCi/L	6.7	11.4	DNT
Thorium-230		0.27	pCi/L	0.14	0.18	EPA-907
Uranium-234		2.67	pCi/L	0.36	0.11	EPA-907
Uranium-235/236		0.21	pCi/L	0.13	0.14	EPA-907
Uranium-238		5.82	pCi/L	0.53	0.15	EPA-907
<b>VOA</b>						
1,1-Dichloroethene	JB	2.52	mg/L		0.01	SW846-8260
cis-1,2-Dichloroethene	UJ	0.01	mg/L		0.01	SW846-8260
cis-1,2-Dichloroethene	U	0.00047	mg/L		0.0005	SW846-8260
trans-1,2-Dichloroethene	U	0.00048	mg/L		0.0005	SW846-8260
trans-1,2-Dichloroethene	UJ	0.01	mg/L		0.01	SW846-8260
Trichloroethene	U	0.01	mg/L		0.01	SW846-8260
Trichloroethene	J	0.0022	mg/L		0.0004	SW846-8260
Vinyl chloride	U	0.0013	mg/L		0.0013	SW846-8260

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**SWMU2-3**

**1020903**

**WAG 22 (SWMU 2)**

**S03613**

Collected: 8/14/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Alkalinity		110	mg/L		2.8	EPA-310.2
Alkalinity as CO3	U	2.8	mg/L CaC		2.8	EPA-310.2
Alkalinity as HCO3		110	mg/L CaC		2.8	EPA-310.2
Chloride		9.9	mg/L		0.084	EPA-300
Fluoride		0.69	mg/L		0.023	EPA-300
Nitrate/Nitrite		0.17	mg/L		0.007	EPA-353.2
Sulfate		9.1	mg/L		0.021	EPA-300
<b>Field P</b>						
Dissolved Oxygen		3	mg/L			
pH		6	Std Unit			
Redox		158	Std Unit			
Specific Conductivity (PIP)		0.27	umho/cm			
Temperature		64.44	deg F			
<b>METAL</b>						
Beryllium		0.038	mg/L		0.2	SW846-6010
Calcium		43	mg/L		44	SW846-6010
Magnesium		36	mg/L		24	SW846-6010
Manganese		96	mg/L		0.29	SW846-6010
Potassium		47	mg/L		18	SW846-6010
Sodium		14	mg/L		37	SW846-6010
Uranium	U	0.009	mg/L		9	SW846-6010
Vanadium		0.6	mg/L		1.7	SW846-6010
<b>RADS</b>						
Alpha activity	U	110	pCi/L			RL-7119
Americium-241		0.4	pCi/L	0.17	0.19	EPA-907
Beta activity	U	370	pCi/L			RL-7119
Cesium-137	U	3.6	pCi/L	4.6	7.7	EPA-907
Neptunium-237		-0.0192	pCi/L	0.1	0.23	EPA-907
Plutonium-239		0.08	pCi/L	0.1	0.16	EPA-907
Protactinium-234	U	22	pCi/L	44	60	EPA-907
Technetium-99		-0.395	pCi/L	6.72	11.4	DNT
Thorium-230		0.45	pCi/L	0.16	0.12	EPA-907
Uranium-234		2.56	pCi/L	0.37	0.18	EPA-907
Uranium-235/236		0.22	pCi/L	0.13	0.12	EPA-907
Uranium-238		7.55	pCi/L	0.61	0.09	EPA-907
<b>VOA</b>						
cis-1,2-Dichloroethene	U	0.00047	mg/L		0.0005	SW846-8260
cis-1,2-Dichloroethene	U	0.02	mg/L		0.02	SW846-8260
trans-1,2-Dichloroethene	U	0.02	mg/L		0.02	SW846-8260
trans-1,2-Dichloroethene	U	0.00048	mg/L		0.0005	SW846-8260
Trichloroethene	U	0.02	mg/L		0.02	SW846-8260
Trichloroethene	U	0.00039	mg/L		0.0004	SW846-8260
Vinyl chloride	U	0.0013	mg/L		0.0013	SW846-8260

## SWMU2-3

1020903

## WAG 22 (SWMU 2)

S03614

Collected: 8/20/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Alkalinity		110	mg/L		2.8	EPA-310.2
Alkalinity as CO3	U	2.8	mg/L CaC		2.8	EPA-310.2
Alkalinity as HCO3		110	mg/L CaC		2.8	EPA-310.2
Chloride		12	mg/L		0.084	EPA-300
Fluoride		0.66	mg/L		0.023	EPA-300
Nitrate/Nitrite		0.074	mg/L		0.007	EPA-353.2
Sulfate		13	mg/L		0.021	EPA-300
<b>Field P</b>						
Depth to Water		73.22	ft			
Dissolved Oxygen		8.8	mg/L			
pH		6.5	Std Unit			
Redox		166	Std Unit			
Specific Conductivity (PIP)		0.3	umho/cm			
Temperature		75.24	deg F			
<b>METAL</b>						
Beryllium		0.021	mg/L		0.2	SW846-6010
Calcium		35	mg/L		44	SW846-6010
Magnesium		19	mg/L		24	SW846-6010
Manganese		38	mg/L		0.29	SW846-6010
Potassium		15	mg/L		18	SW846-6010
Sodium		14	mg/L		37	SW846-6010
Uranium	U	0.009	mg/L		9	SW846-6010
Vanadium		0.3	mg/L		1.7	SW846-6010
<b>RADS</b>						
Alpha activity	U	110	pCi/L			RL-7119
Americium-241		0.52	pCi/L	0.18	0.13	EPA-907
Beta activity	U	370	pCi/L			RL-7119
Cesium-137	U	0.76	pCi/L	3.3	6	EPA-907
Neptunium-237		-0.019	pCi/L	0.12	0.27	EPA-907
Plutonium-239		0.07	pCi/L	0.08	0.12	EPA-907
Protactinium-234	U	16	pCi/L	40	57	EPA-907
Technetium-99		2.21	pCi/L	6.74	11.4	DNT
Thorium-230		0.42	pCi/L	0.17	0.16	EPA-907
Uranium-234		3.55	pCi/L	0.42	0.12	EPA-907
Uranium-235/236		0.19	pCi/L	0.13	0.17	EPA-907
Uranium-238		9.91	pCi/L	0.7	0.04	EPA-907
<b>VOA</b>						
1,1-Dichloroethene	JB	4.1	mg/L		0.01	SW846-8260
cis-1,2-Dichloroethene	U	0.00047	mg/L		0.0005	SW846-8260
cis-1,2-Dichloroethene	UJ	0.01	mg/L		0.01	SW846-8260
trans-1,2-Dichloroethene	U	0.00048	mg/L		0.0005	SW846-8260
trans-1,2-Dichloroethene	UJ	0.01	mg/L		0.01	SW846-8260
Trichloroethene	J	0.002	mg/L		0.0004	SW846-8260
Trichloroethene	UJ	0.01	mg/L		0.01	SW846-8260
Vinyl chloride	U	0.0013	mg/L		0.0013	SW846-8260

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## SWMU2-3

1020903

## WAG 22 (SWMU 2)

S03615

Collected: 8/22/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Alkalinity		72	mg/L		2.8	EPA-310.2
Alkalinity as CO3	U	2.8	mg/L CaC		2.8	EPA-310.2
Alkalinity as HCO3		72	mg/L CaC		2.8	EPA-310.2
Chloride		6.8	mg/L		0.084	EPA-300
Fluoride		0.55	mg/L		0.023	EPA-300
Nitrate/Nitrite		0.12	mg/L		0.007	EPA-353.2
Sulfate		9.5	mg/L		0.021	EPA-300
<b>Field P</b>						
Depth to Water		47.05	ft			
Dissolved Oxygen		3.9	mg/L			
pH		6.3	Std Unit			
Redox		8	Std Unit			
Specific Conductivity (PIP)		0.21	umho/cm			
Temperature		71.64	deg F			
<b>METAL</b>						
Beryllium		0.0005	mg/L		0.2	SW846-6010
Calcium		14	mg/L		44	SW846-6010
Magnesium		6.2	mg/L		24	SW846-6010
Manganese		1.7	mg/L		0.29	SW846-6010
Potassium		2.6	mg/L		18	SW846-6010
Sodium		13	mg/L		37	SW846-6010
Uranium	U	0.009	mg/L		9	SW846-6010
Vanadium		0.029	mg/L		1.7	SW846-6010
<b>RADS</b>						
Alpha activity	U	110	pCi/L			RL-7119
Americium-241		0.29	pCi/L	0.14	0.15	EPA-907
Beta activity	U	370	pCi/L			RL-7119
Cesium-137	U	1.3	pCi/L	4	7.1	EPA-907
Neptunium-237		0.08	pCi/L	0.12	0.2	EPA-907
Plutonium-239		0.08	pCi/L	0.1	0.17	EPA-907
Protactinium-234	U	-0.6	pCi/L	29	53	EPA-907
Technetium-99		1.26	pCi/L	6.72	11.4	DNT
Thorium-230		0.36	pCi/L	0.14	0.12	EPA-907
Uranium-234		0.23	pCi/L	0.14	0.18	EPA-907
Uranium-235/236		0.03	pCi/L	0.05	0.04	EPA-907
Uranium-238		0.28	pCi/L	0.13	0.1	EPA-907
<b>VOA</b>						
1,1-Dichloroethene	EB	7.5	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.00047	mg/L		0.0005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,2-Dichloroethene	U	0.00048	mg/L		0.0005	SW846-8260
Trichloroethene	J	0.00126	mg/L		0.005	SW846-8260
Trichloroethene	U	0.00039	mg/L		0.0004	SW846-8260
Vinyl chloride	U	0.0013	mg/L		0.0013	SW846-8260



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SWMU2-5

1020903

WAG 22 (SWMU 2)

S05611

Collected: 7/24/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Alkalinity		72	mg/L		2.8	EPA-310.2
Alkalinity as CO3	U	10	mg/L CaC		2.8	EPA-310.2
Alkalinity as HCO3		72	mg/L CaC		2.8	EPA-310.2
Chloride		3.9	mg/L		0.084	EPA-300
Fluoride		0.78	mg/L		0.023	EPA-300
Nitrate/Nitrite		0.45	mg/L		0.007	EPA-353.2
Sulfate		2	mg/L		0.021	EPA-300
<b>Field P</b>						
Depth to Water		48.14	ft			
Dissolved Oxygen		12.5	mg/L			
pH		3.5	Std Unit			
Specific Conductivity (PIP)		0.23	umho/cm			
Temperature		74.52	deg F			
<b>METAL</b>						
Beryllium		0.0031	mg/L		0.2	SW846-6010
Calcium		16	mg/L		44	SW846-6010
Iron		93	mg/L		13	SW846-6010
Magnesium		7.5	mg/L		24	SW846-6010
Manganese		2.1	mg/L		0.29	SW846-6010
Potassium		13	mg/L		18	SW846-6010
Sodium		12	mg/L		37	SW846-6010
Uranium	U	0.0092	mg/L		9.2	SW846-6010
Vanadium		0.065	mg/L		1.7	SW846-6010
<b>RADS</b>						
Alpha activity		200	pCi/L			RL-7119
Americium-241		0.19	pCi/L	0.14	0.21	EPA-907
Beta activity		10	pCi/L			RL-7119
Cesium-137	U	-0.42	pCi/L	4.2	7.4	EPA-907
Neptunium-237		0.04	pCi/L	0.09	0.17	EPA-907
Plutonium-239		0.04	pCi/L	0.07	0.11	EPA-907
Protactinium-234	U	-12	pCi/L	32	50	EPA-907
Technetium-99		0.89	pCi/L	7.07	12	DNT
Thorium-230		0.47	pCi/L	0.2	0.23	EPA-907
Uranium-234		0.75	pCi/L	0.22	0.21	EPA-907
Uranium-235/236		0.05	pCi/L	0.11	0.2	EPA-907
Uranium-238		0.55	pCi/L	0.19	0.19	EPA-907
<b>VOA</b>						
1,1-Dichloroethene	E	2.16	mg/L		0.001	SW846-8260
cis-1,2-Dichloroethene	U	0.001	mg/L		0.001	SW846-8260
cis-1,2-Dichloroethene	U	0.00047	mg/L		0.0005	SW846-8260
trans-1,2-Dichloroethene	U	0.001	mg/L		0.001	SW846-8260
trans-1,2-Dichloroethene	U	0.00048	mg/L		0.0005	SW846-8260
Trichloroethene	U	0.00039	mg/L		0.0004	SW846-8260
Trichloroethene	UB	0.001	mg/L		0.001	SW846-8260
Vinyl chloride	U	0.0013	mg/L		0.0013	SW846-8260

**SWMU2-5**

**1020903**

**WAG 22 (SWMU 2)**

**S05612**

Collected: 8/5/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Alkalinity		74	mg/L		2.8	EPA-310.2
Alkalinity as CO3	U	10	mg/L CaC		2.8	EPA-310.2
Alkalinity as HCO3		74	mg/L CaC		2.8	EPA-310.2
Chloride		6.3	mg/L		0.084	EPA-300
Fluoride		0.66	mg/L		0.023	EPA-300
Nitrate/Nitrite		0.28	mg/L		0.007	EPA-353.2
Sulfate		5.4	mg/L		0.021	EPA-300
<b>Field P</b>						
Depth to Water		47.3	ft			
Dissolved Oxygen		8.7	mg/L			
pH		6	Std Unit			
Redox		50	Std Unit			
Specific Conductivity (PIP)		0.18	umho/cm			
Temperature		69.84	deg F			
<b>METAL</b>						
Beryllium		0.0061	mg/L		0.2	SW846-6010
Calcium		21	mg/L		44	SW846-6010
Iron		110	mg/L		13	SW846-6010
Magnesium		15	mg/L		24	SW846-6010
Manganese		1.5	mg/L		0.29	SW846-6010
Potassium		18	mg/L		18	SW846-6010
Sodium		14	mg/L		37	SW846-6010
Uranium	U	0.0092	mg/L		9.2	SW846-6010
Vanadium		0.11	mg/L		1.7	SW846-6010
<b>RADS</b>						
Alpha activity		-320	pCi/L			RL-7119
Americium-241		0.17	pCi/L	0.14	0.21	EPA-907
Beta activity		260	pCi/L			RL-7119
Cesium-137	U	-4.2	pCi/L	4	6.3	EPA-907
Neptunium-237		0.09	pCi/L	0.08	0.12	EPA-907
Plutonium-239		-0.0153	pCi/L	0.18	0.34	EPA-907
Protactinium-234	U	13	pCi/L	31	52	EPA-907
Technetium-99		0.65	pCi/L	7.06	12	DNT
Thorium-230		0.46	pCi/L	0.16	0.13	EPA-907
Uranium-234		1.22	pCi/L	0.26	0.18	EPA-907
Uranium-235/236		0.06	pCi/L	0.08	0.12	EPA-907
Uranium-238		0.94	pCi/L	0.22	0.12	EPA-907
<b>VOA</b>						
1,1-Dichloroethene	B	4.12	mg/L		0.077	SW846-8260
cis-1,2-Dichloroethene	U	0.077	mg/L		0.077	SW846-8260
cis-1,2-Dichloroethene	U	0.00047	mg/L		0.0005	SW846-8260
trans-1,2-Dichloroethene	U	0.077	mg/L		0.077	SW846-8260
trans-1,2-Dichloroethene	U	0.00048	mg/L		0.0005	SW846-8260
Trichloroethene	U	0.077	mg/L		0.077	SW846-8260
Trichloroethene	U	0.00039	mg/L		0.0004	SW846-8260
Vinyl chloride	U	0.0013	mg/L		0.0013	SW846-8260

**SWMU2-5**

**1020903**

**WAG 22 (SWMU 2)**

**S05613**

Collected: 8/21/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Alkalinity		110	mg/L		2.8	EPA-310.2
Alkalinity as CO3	U	2.8	mg/L CaC		2.8	EPA-310.2
Alkalinity as HCO3		110	mg/L CaC		2.8	EPA-310.2
Chloride		7.5	mg/L		0.084	EPA-300
Fluoride		0.68	mg/L		0.023	EPA-300
Nitrate/Nitrite		0.22	mg/L		0.007	EPA-353.2
Sulfate		9	mg/L		0.021	EPA-300
<b>Field P</b>						
Depth to Water		66.8	ft			
Dissolved Oxygen		8.4	mg/L			
pH		6	Std Unit			
Redox		170	Std Unit			
Specific Conductivity (PIP)		0.26	umho/cm			
Temperature		78.84	deg F			
<b>METAL</b>						
Beryllium		0.0059	mg/L		0.2	SW846-6010
Calcium		30	mg/L		44	SW846-6010
Magnesium		13	mg/L		24	SW846-6010
Manganese		14	mg/L		0.29	SW846-6010
Potassium		11	mg/L		18	SW846-6010
Sodium		14	mg/L		37	SW846-6010
Uranium	B	0.049	mg/L		9.2	SW846-6010
Vanadium		0.12	mg/L		1.7	SW846-6010
<b>RADS</b>						
Alpha activity		-50	pCi/L			RL-7119
Americium-241		0.13	pCi/L	0.13	0.2	EPA-907
Beta activity		160	pCi/L			RL-7119
Cesium-137	U	-0.7	pCi/L	4	6.8	EPA-907
Neptunium-237		-0.0377	pCi/L	0.07	0.17	EPA-907
Plutonium-239		0	pCi/L	0.09	0.19	EPA-907
Protactinium-234	U	14	pCi/L	34	55	EPA-907
Technetium-99		1.82	pCi/L	7.08	12	DNT
Thorium-230		0.45	pCi/L	0.17	0.17	EPA-907
Uranium-234		3	pCi/L	0.42	0.21	EPA-907
Uranium-235/236		0.11	pCi/L	0.12	0.19	EPA-907
Uranium-238		2.92	pCi/L	0.41	0.17	EPA-907
<b>VOA</b>						
1,1-Dichloroethene		47.9	mg/L		0.099	SW846-8260
cis-1,2-Dichloroethene	U	0.00047	mg/L		0.0005	SW846-8260
cis-1,2-Dichloroethene	UJ	0.099	mg/L		0.099	SW846-8260
trans-1,2-Dichloroethene	U	0.00048	mg/L		0.0005	SW846-8260
trans-1,2-Dichloroethene	UJ	0.099	mg/L		0.099	SW846-8260
Trichloroethene	U	0.099	mg/L		0.099	SW846-8260
Trichloroethene	U	0.00039	mg/L		0.0004	SW846-8260
Vinyl chloride	U	0.0013	mg/L		0.0013	SW846-8260

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SWMU2-9

1020903

WAG 22 (SWMU 2)

S09611

Collected: 8/22/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Alkalinity		210	mg/L		2.8	EPA-310.2
Alkalinity as CO3	U	2.8	mg/L CaC		2.8	EPA-310.2
Alkalinity as HCO3		210	mg/L CaC		2.8	EPA-310.2
Chloride		6.6	mg/L		0.084	EPA-300
Fluoride		0.68	mg/L		0.023	EPA-300
Nitrate/Nitrite		0.13	mg/L		0.007	EPA-353.2
Sulfate		62	mg/L		0.021	EPA-300
<b>Field P</b>						
Depth to Water		20	ft			
Dissolved Oxygen		11.5	mg/L			
pH		6.77	Std Unit			
Redox		174	Std Unit			
Specific Conductivity (PIP)		0.5	umho/cm			
Temperature		77.04	deg F			
<b>METAL</b>						
Beryllium		0.078	mg/L		0.2	SW846-6010
Calcium		89	mg/L		44	SW846-6010
Magnesium		48	mg/L		24	SW846-6010
Manganese		37	mg/L		0.29	SW846-6010
Potassium		19	mg/L		18	SW846-6010
Sodium		87	mg/L		37	SW846-6010
Uranium	B	0.075	mg/L		9.2	SW846-6010
Vanadium		4.1	mg/L		1.7	SW846-6010
<b>RADS</b>						
Alpha activity	U	170	pCi/L			RL-7119
Americium-241		0.1	pCi/L	0.08	0.1	EPA-907
Beta activity	U	160	pCi/L			RL-7119
Cesium-137	U	3.2	pCi/L	4.2	6.9	EPA-907
Neptunium-237		-0.0124	pCi/L	0.06	0.15	EPA-907
Plutonium-239		-0.0001	pCi/L	0.08	0.18	EPA-907
Protactinium-234	U	-17	pCi/L	36	50	EPA-907
Technetium-99		16.5	pCi/L	7.16	11.8	DNT
Thorium-230		0.77	pCi/L	0.21	0.16	EPA-907
Uranium-234		4.11	pCi/L	0.46	0.14	EPA-907
Uranium-235/236		0.31	pCi/L	0.14	0.12	EPA-907
Uranium-238		3.96	pCi/L	0.45	0.17	EPA-907
<b>VOA</b>						
1,1-Dichloroethene	EJB	8.33	mg/L		0.002	SW846-8260
cis-1,2-Dichloroethene	U	0.0047	mg/L		0.0047	SW846-8260
cis-1,2-Dichloroethene		0.00212	mg/L		0.002	SW846-8260
trans-1,2-Dichloroethene	U	0.0048	mg/L		0.0048	SW846-8260
trans-1,2-Dichloroethene	UJ	0.002	mg/L		0.002	SW846-8260
Trichloroethene	U	0.0039	mg/L		0.0039	SW846-8260
Trichloroethene	J	0.00073	mg/L		0.002	SW846-8260

**SWMU2-9**

**1020903**

**WAG 22 (SWMU 2)**

**S09613**

Collected: 8/26/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Alkalinity		220	mg/L		2.8	EPA-310.2
Alkalinity as CO3	U	2.8	mg/L CaC		2.8	EPA-310.2
Alkalinity as HCO3		220	mg/L CaC		2.8	EPA-310.2
Chloride		8.1	mg/L		0.084	EPA-300
Fluoride		1.5	mg/L		0.023	EPA-300
Nitrate/Nitrite		0.3	mg/L		0.007	EPA-353.2
Sulfate		18	mg/L		0.021	EPA-300
<b>Field P</b>						
Depth to Water		70	ft			
Dissolved Oxygen		10.8	mg/L			
pH		7.6	Std Unit			
Redox		169	Std Unit			
Specific Conductivity (PIP)		0.41	umho/cm			
Temperature		82.44	deg F			
<b>METAL</b>						
Beryllium		0.068	mg/L		0.2	SW846-6010
Calcium		190	mg/L		44	SW846-6010
Magnesium		72	mg/L		24	SW846-6010
Manganese		71	mg/L		0.29	SW846-6010
Potassium		67	mg/L		18	SW846-6010
Sodium		17	mg/L		37	SW846-6010
Uranium	B	0.41	mg/L		9.2	SW846-6010
Vanadium		1.2	mg/L		1.7	SW846-6010
<b>RADS</b>						
Americium-241		0.19	pCi/L	0.13	0.16	EPA-907
Cesium-137	U	2.3	pCi/L	3.6	6.6	EPA-907
Neptunium-237		0.02	pCi/L	0.08	0.15	EPA-907
Plutonium-239		0.49	pCi/L	0.16	0.12	EPA-907
Protactinium-234	U	-32	pCi/L	49	50	EPA-907
Technetium-99		36.3	pCi/L	7.38	11.8	DNT
Thorium-230		0.87	pCi/L	0.21	0.12	EPA-907
Uranium-234		6.68	pCi/L	0.6	0.18	EPA-907
Uranium-235/236		0.27	pCi/L	0.14	0.13	EPA-907
Uranium-238		6.53	pCi/L	0.6	0.17	EPA-907
<b>VOA</b>						
1,1-Dichloroethene	JB	2.14	mg/L		0.1	SW846-8260
cis-1,2-Dichloroethene	UJ	0.1	mg/L		0.1	SW846-8260
cis-1,2-Dichloroethene	U	0.00047	mg/L		0.0005	SW846-8260
trans-1,2-Dichloroethene	U	0.00048	mg/L		0.0005	SW846-8260
trans-1,2-Dichloroethene	UJ	0.1	mg/L		0.1	SW846-8260
Trichloroethene		0.015	mg/L		0.0004	SW846-8260
Trichloroethene	U	0.1	mg/L		0.1	SW846-8260
Vinyl chloride	U	0.0013	mg/L		0.0013	SW846-8260

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## SWMU2-9

1020903

## WAG 22 (SWMU 2)

S09612

Collected: 8/28/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Alkalinity		140	mg/L		2.8	EPA-310.2
Alkalinity as CO3	U	2.8	mg/L CaC		2.8	EPA-310.2
Alkalinity as HCO3		140	mg/L CaC		2.8	EPA-310.2
Chloride		58	mg/L		0.084	EPA-300
Fluoride		1.5	mg/L		0.023	EPA-300
Nitrate/Nitrite		25	mg/L		0.007	EPA-353.2
Sulfate		23	mg/L		0.021	EPA-300
<b>Field P</b>						
Depth to Water		40	ft			
Dissolved Oxygen		9.44	mg/L			
pH		6.35	Std Unit			
Specific Conductivity (PIP)		0.8	umho/cm			
Temperature		71.1	deg F			
<b>METAL</b>						
Beryllium		0.023	mg/L		0.2	SW846-6010
Calcium		130	mg/L		44	SW846-6010
Magnesium		56	mg/L		24	SW846-6010
Manganese		7.1	mg/L		0.29	SW846-6010
Potassium		36	mg/L		18	SW846-6010
Sodium		47	mg/L		37	SW846-6010
Uranium	U	0.0092	mg/L		9.2	SW846-6010
Vanadium		0.93	mg/L		1.7	SW846-6010
<b>RADS</b>						
Alpha activity		-30	pCi/L			RL-7119
Americium-241		0.21	pCi/L	0.13	0.15	EPA-907
Beta activity		60	pCi/L			RL-7119
Cesium-137	U	2	pCi/L	3.8	7.1	EPA-907
Neptunium-237		-0.0122	pCi/L	0.08	0.17	EPA-907
Plutonium-239		0.05	pCi/L	0.06	0.1	EPA-907
Protactinium-234	U	6.3	pCi/L	33	57	EPA-907
Technetium-99		24.2	pCi/L	7.26	11.8	DNT
Thorium-230		0.61	pCi/L	0.18	0.14	EPA-907
Uranium-234		4.14	pCi/L	0.45	0.12	EPA-907
Uranium-235/236		0.29	pCi/L	0.14	0.11	EPA-907
Uranium-238		3.72	pCi/L	0.43	0.15	EPA-907
<b>VOA</b>						
1,1-Dichloroethene	JB	0.667	mg/L		0.001	SW846-8260
cis-1,2-Dichloroethene	U	0.00047	mg/L		0.0005	SW846-8260
cis-1,2-Dichloroethene	UJ	0.001	mg/L		0.001	SW846-8260
trans-1,2-Dichloroethene	UJ	0.001	mg/L		0.001	SW846-8260
trans-1,2-Dichloroethene	U	0.00048	mg/L		0.0005	SW846-8260
Trichloroethene		0.0094	mg/L		0.001	SW846-8260
Trichloroethene		0.01	mg/L		0.0004	SW846-8260
Vinyl chloride	U	0.0013	mg/L		0.0013	SW846-8260

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**SWMU2-9**

**1020903**

**WAG 22 (SWMU 2)**

**S09615**

Collected: 8/29/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Alkalinity		190	mg/L		2.8	EPA-310.2
Alkalinity as CO3	U	2.8	mg/L CaC		2.8	EPA-310.2
Alkalinity as HCO3		190	mg/L CaC		2.8	EPA-310.2
Chloride		11	mg/L		0.084	EPA-300
Fluoride		1.5	mg/L		0.023	EPA-300
Nitrate/Nitrite		0.19	mg/L		0.007	EPA-353.2
Sulfate		14	mg/L		0.021	EPA-300
<b>Field P</b>						
Depth to Water		90	ft			
Dissolved Oxygen		10.1	mg/L			
pH		7	Std Unit			
Redox		131	Std Unit			
Specific Conductivity (PIP)		0.337	umho/cm			
Temperature		69.84	deg F			
<b>METAL</b>						
Beryllium		0.067	mg/L		0.2	SW846-6010
Calcium		120	mg/L		44	SW846-6010
Magnesium		86	mg/L		24	SW846-6010
Manganese		70	mg/L		0.29	SW846-6010
Potassium		83	mg/L		18	SW846-6010
Sodium		17	mg/L		37	SW846-6010
Uranium	U	0.0092	mg/L		9.2	SW846-6010
Vanadium		1.5	mg/L		1.7	SW846-6010
<b>RADS</b>						
Alpha activity		-20	pCi/L			RL-7119
Americium-241		0.32	pCi/L	0.14	0.04	EPA-907
Beta activity		-30	pCi/L			RL-7119
Cesium-137	U	1.6	pCi/L	3.6	6.4	EPA-907
Neptunium-237		0.05	pCi/L	0.1	0.18	EPA-907
Plutonium-239		-0.0132	pCi/L	0.08	0.18	EPA-907
Protactinium-234	U	-16	pCi/L	35	50	EPA-907
Thorium-230		0.94	pCi/L	0.24	0.18	EPA-907
Uranium-234		5.09	pCi/L	0.5	0.19	EPA-907
Uranium-235/236		0.29	pCi/L	0.13	0.04	EPA-907
Uranium-238		5.1	pCi/L	0.5	0.14	EPA-907
<b>VOA</b>						
cis-1,2-Dichloroethene	UJ	0.1	mg/L		0.1	SW846-8260
cis-1,2-Dichloroethene	U	0.00047	mg/L		0.0005	SW846-8260
trans-1,2-Dichloroethene	U	0.00048	mg/L		0.0005	SW846-8260
trans-1,2-Dichloroethene	UJ	0.1	mg/L		0.1	SW846-8260
Trichloroethene	J	0.025	mg/L		0.1	SW846-8260
Trichloroethene		0.055	mg/L		0.0004	SW846-8260
Vinyl chloride	U	0.0013	mg/L		0.0013	SW846-8260

# Paducah-OREIS Data Report

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12/18/2007

**SWMU2-9**

**1020903**

**WAG 22 (SWMU 2)**

**S09614**

Collected: 9/29/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Alkalinity		140	mg/L		2.8	EPA-310.2
Alkalinity as CO3	U	2.8	mg/L CaC		2.8	EPA-310.2
Alkalinity as HCO3		140	mg/L CaC		2.8	EPA-310.2
Chloride		12	mg/L		0.084	EPA-300
Fluoride		0.61	mg/L		0.023	EPA-300
Nitrate/Nitrite		0.074	mg/L		0.007	EPA-353.2
Sulfate		11	mg/L		0.021	EPA-300
<b>Field P</b>						
Depth to Water		80	ft			
Dissolved Oxygen		9.87	mg/L			
pH		6.2	Std Unit			
Redox		171	Std Unit			
Specific Conductivity (PIP)		0.294	umho/cm			
Temperature		69.84	deg F			
<b>METAL</b>						
Beryllium		0.016	mg/L		0.2	SW846-6010
Calcium		50	mg/L		44	SW846-6010
Magnesium		21	mg/L		24	SW846-6010
Manganese		38	mg/L		0.29	SW846-6010
Potassium		21	mg/L		18	SW846-6010
Sodium		14	mg/L		37	SW846-6010
Uranium	U	0.0092	mg/L		9.2	SW846-6010
Vanadium		0.3	mg/L		1.7	SW846-6010
<b>RADS</b>						
Alpha activity		-10	pCi/L			RL-7119
Americium-241		0.24	pCi/L	0.13	0.15	EPA-907
Beta activity		-80	pCi/L			RL-7119
Cesium-137	U	1.1	pCi/L	4.1	6.6	EPA-907
Neptunium-237		0.04	pCi/L	0.08	0.15	EPA-907
Plutonium-239		0	pCi/L	0.05	0.12	EPA-907
Protactinium-234	U	15	pCi/L	39	56	EPA-907
Thorium-230		0.31	pCi/L	0.14	0.12	EPA-907
Uranium-234		0.56	pCi/L	0.2	0.23	EPA-907
Uranium-235/236		0.03	pCi/L	0.08	0.16	EPA-907
Uranium-238		0.78	pCi/L	0.22	0.2	EPA-907
<b>VOA</b>						
1,1-Dichloroethene	EJB	22.8	mg/L		0.02	SW846-8260
cis-1,2-Dichloroethene	U	0.00047	mg/L		0.0005	SW846-8260
cis-1,2-Dichloroethene	UJ	0.02	mg/L		0.02	SW846-8260
trans-1,2-Dichloroethene	U	0.00048	mg/L		0.0005	SW846-8260
trans-1,2-Dichloroethene	UJ	0.02	mg/L		0.02	SW846-8260
Trichloroethene		0.0089	mg/L		0.0004	SW846-8260
Trichloroethene	J	0.00777	mg/L		0.02	SW846-8260
Vinyl chloride	U	0.0013	mg/L		0.0013	SW846-8260



# Paducah-OREIS Data Report

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12/18/2007

**GWW-01**

**1021003**

**WAG 22 (SWMUs 7 and 30) 1021003**

**P01611**

Collected: 9/4/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Alkalinity		320	mg/L			EPA-310.2
Alkalinity as CO3	U	2.8	mg/L CaC			EPA-310.2
Alkalinity as HCO3		320	mg/L CaC			EPA-310.2
Chloride		9.7	mg/L			EPA-300
Cyanide	U	0.0024	mg/L			SW846-9012
Fluoride		1.8	mg/L			EPA-300
Nitrate/Nitrite		0.029	mg/L			EPA-353.2
Sulfate		59	mg/L			EPA-300
Total Organic Carbon (TOC)		18.6	mg/L			SW846-9060
<b>METAL</b>						
Aluminum		1200	mg/L			SW846-6010
Arsenic		0.28	mg/L			SW846-6010
Barium		4.3	mg/L			SW846-6010
Beryllium		0.033	mg/L			SW846-6010
Cadmium	B	0.0006	mg/L			SW846-6010
Calcium		160	mg/L			SW846-6010
Chromium		0.91	mg/L			SW846-6010
Cobalt		0.52	mg/L			SW846-6010
Copper		0.46	mg/L			SW846-6010
Iron		1000	mg/L			SW846-6010
Lead		1.1	mg/L			SW846-6010
Magnesium		88	mg/L			SW846-6010
Manganese		25	mg/L			SW846-6010
Mercury		0.0011	mg/L			SW846-7070
Molybdenum		0.048	mg/L			SW846-6010
Nickel		0.53	mg/L			SW846-6010
Potassium		33	mg/L			SW846-6010
Selenium	U	0.0038	mg/L			SW846-6010
Silver	U	0.0045	mg/L			SW846-6010
Sodium		78	mg/L			SW846-6010
Thallium		0.051	mg/L			SW846-6010
Tin		0.48	mg/L			SW846-6010
Uranium	U	0.0092	mg/L			SW846-6010
Vanadium		1.6	mg/L			SW846-6010
Zinc		1.4	mg/L			SW846-6010
<b>PCPB</b>						
4,4'-DDD	U	0.00021	mg/L			SW846-8270
4,4'-DDE	U	0.00024	mg/L			SW846-8270
4,4'-DDT	U	0.00012	mg/L			SW846-8270
Aldrin	U	0.00039	mg/L			SW846-8270
alpha-BHC	U	0.00023	mg/L			SW846-8270
beta-BHC	U	0.0006	mg/L			SW846-8270
delta-BHC	U	0.0024	mg/L			SW846-8270
Dieldrin	U	0.00031	mg/L			SW846-8270
Heptachlor	U	0.00028	mg/L			SW846-8270
Lindane	U	0.00027	mg/L			SW846-8270
Methoxychlor	U	0.00018	mg/L			SW846-8270
PCB-1016	U	0.00041	mg/L			SW846-8080
PCB-1221	U	0.00022	mg/L			SW846-8080

## GWW-01

## 1021003

## WAG 22 (SWMUs 7 and 30) 1021003

PCB-1232	U	0.00015	mg/L		SW846-8080
PCB-1242	U	0.00067	mg/L		SW846-8080
PCB-1248	U	0.00029	mg/L		SW846-8080
PCB-1254	U	1.6E-05	mg/L		SW846-8080
PCB-1260	U	2.5E-05	mg/L		SW846-8080
<b>RADS</b>					
Alpha activity	U	230	pCi/L		RL-7119
Alpha activity		19	pCi/L	2	EPA-900
Beta activity	U	310	pCi/L		RL-7119
Beta activity		28	pCi/L	2	EPA-900
Neptunium-237		0.07	pCi/L	0.03	EPA-907
Plutonium-239		0.04	pCi/L	0.07	EPA-907
Technetium-99		19.5	pCi/L	7.19	DNT
Thorium-230		6.61	pCi/L	0.69	EPA-907
Uranium-234		20.2	pCi/L	1.05	EPA-907
Uranium-235/236		2.8	pCi/L	0.44	EPA-907
Uranium-238		26.7	pCi/L	1.21	EPA-907
<b>SVOA</b>					
1,2,4,5-Tetrachlorobenzene	U	0.0048	mg/L		SW846-8270
1,2,4-Trichlorobenzene	U	0.0012	mg/L		SW846-8270
1,2-Dichlorobenzene	U	0.0002	mg/L		SW846-8260
1,2-Dichlorobenzene	U	0.00036	mg/L		SW846-8270
1,2-Diphenylhydrazine	U	0.00022	mg/L		SW846-8270
1,3-Dichlorobenzene	U	0.00024	mg/L		SW846-8260
1,3-Dichlorobenzene	U	0.0004	mg/L		SW846-8270
1,4-Dichlorobenzene	U	0.00036	mg/L		SW846-8270
1,4-Dichlorobenzene	U	0.00022	mg/L		SW846-8260
1-Chloronaphthalene	U	0.00024	mg/L		SW846-8270
1-Naphthalenamine	U	0.00029	mg/L		SW846-8270
2,3,4,6-Tetrachlorophenol	U	0.00049	mg/L		SW846-8270
2,4,5-Trichlorophenol	U	0.00021	mg/L		SW846-8270
2,4,6-Trichlorophenol	U	0.00019	mg/L		SW846-8270
2,4-Dichlorophenol	U	0.00018	mg/L		SW846-8270
2,4-Dimethylphenol	U	0.00012	mg/L		SW846-8270
2,4-Dinitrophenol	U	0.013	mg/L		SW846-8270
2,4-Dinitrotoluene	U	7.8E-05	mg/L		SW846-8270
2,6-Dichlorophenol	U	0.00056	mg/L		SW846-8270
2,6-Dinitrotoluene	U	0.00024	mg/L		SW846-8270
2-Chloronaphthalene	U	0.00013	mg/L		SW846-8270
2-Chlorophenol	U	0.0003	mg/L		SW846-8270
2-Methyl-4,6-dinitrophenol	U	0.0038	mg/L		SW846-8270
2-Methylnaphthalene	U	0.00032	mg/L		SW846-8270
2-Methylphenol	U	0.00022	mg/L		SW846-8270
2-Methylpyridine	U	0.0038	mg/L		SW846-8270
2-Naphthalenamine	U	0.00032	mg/L		SW846-8270
2-Nitrobenzenamine	U	0.00012	mg/L		SW846-8270
2-Nitrophenol	U	0.00027	mg/L		SW846-8270
3,3'-Dichlorobenzidine	U	0.0044	mg/L		SW846-8270
3-Methylcholanthrene	U	0.00018	mg/L		SW846-8270
3-Nitrobenzenamine	U	0.00017	mg/L		SW846-8270
4-Aminobiphenyl	U	0.00061	mg/L		SW846-8270
4-Bromophenyl phenyl ether	U	0.00024	mg/L		SW846-8270
4-Chloro-3-methylphenol	U	0.00031	mg/L		SW846-8270
4-Chlorobenzenamine	U	0.00085	mg/L		SW846-8270
4-Chlorophenyl phenyl ether	U	0.00026	mg/L		SW846-8270

## GWW-01

## 1021003

## WAG 22 (SWMUs 7 and 30) 1021003

4-Methylphenol	U	0.0002	mg/L	SW846-8270
4-Nitrobenzenamine	U	0.0013	mg/L	SW846-8270
4-Nitrophenol	U	0.00043	mg/L	SW846-8270
7,12-Dimethylbenz(a)anthracene	U	0.0064	mg/L	SW846-8270
a,a-Dimethylphenethylamine	U	0.0046	mg/L	SW846-8270
Acenaphthene	U	0.00023	mg/L	SW846-8270
Acenaphthylene	U	0.00012	mg/L	SW846-8270
Acetophenone	U	0.00013	mg/L	SW846-8270
Aniline	U	0.00029	mg/L	SW846-8270
Anthracene	U	0.00027	mg/L	SW846-8270
Benz(a)anthracene	U	0.00021	mg/L	SW846-8270
Benzenemethanol	U	0.00032	mg/L	SW846-8270
Benzidine	U	0.042	mg/L	SW846-8270
Benzo(a)pyrene	U	0.00017	mg/L	SW846-8270
Benzo(b)fluoranthene	U	0.00018	mg/L	SW846-8270
Benzo(ghi)perylene	U	0.00036	mg/L	SW846-8270
Benzo(k)fluoranthene	U	0.00018	mg/L	SW846-8270
Benzoic acid	J	0.0098	mg/L	SW846-8270
Bis(2-chloroethoxy)methane	U	0.00028	mg/L	SW846-8270
Bis(2-chloroethyl) ether	U	0.00032	mg/L	SW846-8270
Bis(2-chloroisopropyl) ether	U	0.00039	mg/L	SW846-8270
Bis(2-ethylhexyl)phthalate	BJ	0.0012	mg/L	SW846-8270
Butyl benzyl phthalate	U	0.00071	mg/L	SW846-8270
Chrysene	U	0.00023	mg/L	SW846-8270
Dibenz(a,h)anthracene	U	0.00031	mg/L	SW846-8270
Dibenzofuran	U	0.00012	mg/L	SW846-8270
Diethyl phthalate	BJ	0.0082	mg/L	SW846-8270
Dimethyl phthalate	U	0.0001	mg/L	SW846-8270
Di-n-butyl phthalate	BJ	0.0012	mg/L	SW846-8270
Di-n-octylphthalate	U	0.00017	mg/L	SW846-8270
Ethyl methanesulfonate	U	0.0017	mg/L	SW846-8270
Fluoranthene	U	0.00026	mg/L	SW846-8270
Fluorene	U	0.00024	mg/L	SW846-8270
Hexachlorobenzene	U	0.00023	mg/L	SW846-8270
Hexachlorobutadiene	U	0.00033	mg/L	SW846-8270
Hexachlorocyclopentadiene	U	0.00019	mg/L	SW846-8270
Hexachloroethane	U	0.00039	mg/L	SW846-8270
Indeno(1,2,3-cd)pyrene	U	0.00024	mg/L	SW846-8270
Isophorone	U	0.00024	mg/L	SW846-8270
Methyl methanesulfonate	U	0.00027	mg/L	SW846-8270
Naphthalene	U	0.00032	mg/L	SW846-8270
Nitrobenzene	U	0.0004	mg/L	SW846-8270
N-Nitrosodimethylamine	U	0.00026	mg/L	SW846-8270
N-Nitroso-di-n-propylamine	U	0.0003	mg/L	SW846-8270
N-Nitrosodiphenylamine	U	0.00013	mg/L	SW846-8270
N-Nitrosopiperidine	U	0.0014	mg/L	SW846-8270
p-Dimethylaminoazobenzene	U	0.013	mg/L	SW846-8270
Pentachlorobenzene	U	0.0022	mg/L	SW846-8270
Pentachloronitrobenzene	U	0.0052	mg/L	SW846-8270
Pentachlorophenol	U	0.00027	mg/L	SW846-8270
Phenacetin	U	0.00012	mg/L	SW846-8270
Phenanthrene	U	0.00023	mg/L	SW846-8270
Phenol	U	0.00069	mg/L	SW846-8270
Pronamide	U	0.0059	mg/L	SW846-8270
Pyrene	J	0.00049	mg/L	SW846-8270

## GWW-01

## 1021003

## WAG 22 (SWMUs 7 and 30) 1021003

Pyridine	U	0.00052	mg/L	SW846-8270
<b>VOA</b>				
1,1,1-Trichloroethane	U	0.00036	mg/L	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.0012	mg/L	SW846-8260
1,1,2-Trichloro-1,2,2-trifluoroethane	U	0.00036	mg/L	SW846-8260
1,1,2-Trichloroethane	U	0.00053	mg/L	SW846-8260
1,1-Dichloroethane	U	0.00037	mg/L	SW846-8260
1,1-Dichloroethene	U	0.00044	mg/L	SW846-8260
1,2-Dichloroethane	U	0.00027	mg/L	SW846-8260
1,2-Dichloropropane	U	0.00026	mg/L	SW846-8260
2-Butanone	U	0.0034	mg/L	SW846-8260
2-Hexanone	U	0.0011	mg/L	SW846-8260
4-Methyl-2-pentanone	U	0.0011	mg/L	SW846-8260
Acetone	B	0.15	mg/L	SW846-8260
Benzene	U	0.00038	mg/L	SW846-8260
Bromodichloromethane	U	0.0005	mg/L	SW846-8260
Bromoform	U	0.00044	mg/L	SW846-8260
Bromomethane	U	0.00025	mg/L	SW846-8260
Carbon disulfide	U	0.00033	mg/L	SW846-8260
Carbon tetrachloride	U	0.00035	mg/L	SW846-8260
Chlorobenzene	U	0.00049	mg/L	SW846-8260
Chloroethane	U	0.0014	mg/L	SW846-8260
Chloroform	U	0.00041	mg/L	SW846-8260
Chloromethane	U	0.00037	mg/L	SW846-8260
cis-1,2-Dichloroethene	U	0.00047	mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.0004	mg/L	SW846-8260
Dibromochloromethane	U	0.00043	mg/L	SW846-8260
Ethylbenzene	U	0.00044	mg/L	SW846-8260
Methylene chloride	U	0.00035	mg/L	SW846-8260
Styrene	U	0.0004	mg/L	SW846-8260
Tetrachloroethene	U	0.00035	mg/L	SW846-8260
Toluene		0.0038	mg/L	SW846-8260
Total Xylene	U	0.0013	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.00048	mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.00047	mg/L	SW846-8260
Trichloroethene	U	0.00039	mg/L	SW846-8260
Vinyl chloride	U	0.0013	mg/L	SW846-8260

## GWW-01

## 1021003

## WAG 22 (SWMUs 7 and 30) 1021003

## P01612

Collected: 9/10/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Cyanide	U	0.0024	mg/L			SW846-9012
<b>METAL</b>						
Aluminum		100	mg/L			SW846-6010
Antimony		0.004	mg/L			SW846-7041
Arsenic		0.041	mg/L			SW846-6010
Barium		0.6	mg/L			SW846-6010
Beryllium		0.0051	mg/L			SW846-6010
Cadmium	U	0.0003	mg/L			SW846-6010
Calcium		190	mg/L			SW846-6010
Chromium		0.41	mg/L			SW846-6010
Cobalt		0.078	mg/L			SW846-6010
Copper		0.68	mg/L			SW846-6010
Iron		360	mg/L			SW846-6010
Lead		0.11	mg/L			SW846-6010
Magnesium		14	mg/L			SW846-6010
Manganese		4.9	mg/L			SW846-6010
Mercury		0.0001	mg/L			SW846-7070
Molybdenum		0.33	mg/L			SW846-6010
Nickel		0.35	mg/L			SW846-6010
Potassium		15	mg/L			SW846-6010
Selenium	U	0.0038	mg/L			SW846-6010
Silver	U	0.0045	mg/L			SW846-6010
Sodium		37	mg/L			SW846-6010
Thallium		0.011	mg/L			SW846-6010
Tin		0.23	mg/L			SW846-6010
Uranium	U	0.0092	mg/L			SW846-6010
Vanadium		0.14	mg/L			SW846-6010
Zinc		4.2	mg/L			SW846-6010
<b>RADS</b>						
Alpha activity		9.8	pCi/L	2.1		EPA-900
Alpha activity	U	350	pCi/L			RL-7119
Beta activity	U	310	pCi/L			RL-7119
Beta activity		18	pCi/L	3.6		EPA-900
Neptunium-237		0.02	pCi/L	0.01		EPA-907
Plutonium-239		0.06	pCi/L	0.08		EPA-907
Technetium-99		6.38	pCi/L	7.07		DNT
Thorium-230		2.16	pCi/L	0.36		EPA-907
Uranium-234		1.66	pCi/L	0.35		EPA-907
Uranium-235/236		0.29	pCi/L	0.16		EPA-907
Uranium-238		1.51	pCi/L	0.3		EPA-907
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.0002	mg/L			SW846-8260
1,3-Dichlorobenzene	U	0.00024	mg/L			SW846-8260
1,4-Dichlorobenzene	U	0.00022	mg/L			SW846-8260
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.00036	mg/L			SW846-8260
1,1,2,2-Tetrachloroethane	U	0.0012	mg/L			SW846-8260
1,1,2-Trichloro-1,2,2-trifluoroethane	U	0.00036	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.00053	mg/L			SW846-8260

**GWW-01****1021003****WAG 22 (SWMUs 7 and 30) 1021003**

1,1-Dichloroethane	U	0.00037	mg/L	SW846-8260
1,1-Dichloroethene	U	0.00044	mg/L	SW846-8260
1,2-Dichloroethane	U	0.00027	mg/L	SW846-8260
1,2-Dichloropropane	U	0.00026	mg/L	SW846-8260
2-Butanone	U	0.0034	mg/L	SW846-8260
2-Hexanone	U	0.0011	mg/L	SW846-8260
4-Methyl-2-pentanone	U	0.0011	mg/L	SW846-8260
Acetone		0.024	mg/L	SW846-8260
Benzene	U	0.00038	mg/L	SW846-8260
Bromodichloromethane	U	0.0005	mg/L	SW846-8260
Bromoform	U	0.00044	mg/L	SW846-8260
Bromomethane	U	0.00025	mg/L	SW846-8260
Carbon disulfide	U	0.00033	mg/L	SW846-8260
Carbon tetrachloride	U	0.00035	mg/L	SW846-8260
Chlorobenzene	U	0.00049	mg/L	SW846-8260
Chloroethane	U	0.0014	mg/L	SW846-8260
Chloroform	U	0.00041	mg/L	SW846-8260
Chloromethane	U	0.00037	mg/L	SW846-8260
cis-1,2-Dichloroethene	U	0.00047	mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.0004	mg/L	SW846-8260
Dibromochloromethane	U	0.00043	mg/L	SW846-8260
Ethylbenzene	U	0.00044	mg/L	SW846-8260
Methylene chloride	U	0.00035	mg/L	SW846-8260
Styrene	U	0.0004	mg/L	SW846-8260
Tetrachloroethene	U	0.00035	mg/L	SW846-8260
Toluene	U	0.00044	mg/L	SW846-8260
Total Xylene	U	0.0013	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.00048	mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.00047	mg/L	SW846-8260
Trichloroethene	U	0.00039	mg/L	SW846-8260
Vinyl chloride	U	0.0013	mg/L	SW846-8260

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# Paducah-OREIS Data Report

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**GWW-01**

**1021003**

**WAG 22 (SWMUs 7 and 30) 1021003**

**P01613**

Collected: 9/10/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Cyanide	U	0.0024	mg/L			SW846-9012
<b>METAL</b>						
Aluminum		1400	mg/L			SW846-6010
Arsenic		0.33	mg/L			SW846-6010
Barium		5.3	mg/L			SW846-6010
Beryllium		0.073	mg/L			SW846-6010
Cadmium		0.011	mg/L			SW846-6010
Calcium		500	mg/L			SW846-6010
Chromium		1.3	mg/L			SW846-6010
Cobalt		0.54	mg/L			SW846-6010
Copper		0.88	mg/L			SW846-6010
Iron		1700	mg/L			SW846-6010
Lead		1.6	mg/L			SW846-6010
Magnesium		120	mg/L			SW846-6010
Manganese		18	mg/L			SW846-6010
Mercury		0.0008	mg/L			SW846-7070
Molybdenum		0.085	mg/L			SW846-6010
Nickel		1.1	mg/L			SW846-6010
Potassium		72	mg/L			SW846-6010
Selenium	U	0.0038	mg/L			SW846-6010
Silver	U	0.0045	mg/L			SW846-6010
Sodium		45	mg/L			SW846-6010
Thallium		0.11	mg/L			SW846-6010
Tin		0.76	mg/L			SW846-6010
Uranium	U	0.0092	mg/L			SW846-6010
Vanadium		1.6	mg/L			SW846-6010
Zinc		4	mg/L			SW846-6010
<b>RADS</b>						
Alpha activity		34	pCi/L	3.6		EPA-900
Alpha activity	U	350	pCi/L			RL-7119
Beta activity		550	pCi/L	8.3		EPA-900
Beta activity	U	310	pCi/L			RL-7119
Neptunium-237		-0.054	pCi/L	0.02		EPA-907
Plutonium-239		0	pCi/L	0.07		EPA-907
Technetium-99		1310	pCi/L	16.5		DNT
Thorium-230		1.53	pCi/L	0.3		EPA-907
Uranium-234		3.36	pCi/L	0.46		EPA-907
Uranium-235/236		0.37	pCi/L	0.18		EPA-907
Uranium-238		5.3	pCi/L	0.58		EPA-907
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.0002	mg/L			SW846-8260
1,3-Dichlorobenzene	U	0.00024	mg/L			SW846-8260
1,4-Dichlorobenzene	U	0.00022	mg/L			SW846-8260
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.00036	mg/L			SW846-8260
1,1,2,2-Tetrachloroethane	U	0.0012	mg/L			SW846-8260
1,1,2-Trichloro-1,2,2-trifluoroethane	U	0.00036	mg/L			SW846-8260
1,1,2-Trichloroethane	J	0.004	mg/L			SW846-8260
1,1-Dichloroethane	U	0.00037	mg/L			SW846-8260

**GWW-01****1021003****WAG 22 (SWMUs 7 and 30) 1021003**

1,1-Dichloroethene	J	0.0011	mg/L	SW846-8260
1,2-Dichloroethane	U	0.00027	mg/L	SW846-8260
1,2-Dichloropropane	U	0.00026	mg/L	SW846-8260
2-Butanone	U	0.0034	mg/L	SW846-8260
2-Hexanone	U	0.0011	mg/L	SW846-8260
4-Methyl-2-pentanone	U	0.0011	mg/L	SW846-8260
Acetone		0.013	mg/L	SW846-8260
Benzene	U	0.00038	mg/L	SW846-8260
Bromodichloromethane	U	0.0005	mg/L	SW846-8260
Bromoform	U	0.00044	mg/L	SW846-8260
Bromomethane	U	0.00025	mg/L	SW846-8260
Carbon disulfide	U	0.00033	mg/L	SW846-8260
Carbon tetrachloride		0.006	mg/L	SW846-8260
Chlorobenzene	U	0.00049	mg/L	SW846-8260
Chloroethane	U	0.0014	mg/L	SW846-8260
Chloroform	J	0.0034	mg/L	SW846-8260
Chloromethane	U	0.00037	mg/L	SW846-8260
cis-1,2-Dichloroethene		0.011	mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.0004	mg/L	SW846-8260
Dibromochloromethane	U	0.00043	mg/L	SW846-8260
Ethylbenzene	U	0.00044	mg/L	SW846-8260
Methylene chloride	U	0.00035	mg/L	SW846-8260
Styrene	U	0.0004	mg/L	SW846-8260
Tetrachloroethene	J	0.0024	mg/L	SW846-8260
Toluene	U	0.00044	mg/L	SW846-8260
Total Xylene	U	0.0013	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.00048	mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.00047	mg/L	SW846-8260
Trichloroethene	D	4.8	mg/L	SW846-8260
Vinyl chloride	U	0.0013	mg/L	SW846-8260

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GWW-01

1021003

WAG 22 (SWMUs 7 and 30) 1021003

P01614

Collected: 9/10/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Cyanide	U	0.0024	mg/L			SW846-9012
<b>METAL</b>						
Aluminum		930	mg/L			SW846-6010
Arsenic		0.25	mg/L			SW846-6010
Barium		5	mg/L			SW846-6010
Beryllium		0.068	mg/L			SW846-6010
Cadmium		0.012	mg/L			SW846-6010
Calcium		470	mg/L			SW846-6010
Chromium		1.3	mg/L			SW846-6010
Cobalt		0.49	mg/L			SW846-6010
Copper		1.3	mg/L			SW846-6010
Iron		1600	mg/L			SW846-6010
Lead		1.6	mg/L			SW846-6010
Magnesium		110	mg/L			SW846-6010
Manganese		17	mg/L			SW846-6010
Mercury		0.0005	mg/L			SW846-7070
Molybdenum		0.1	mg/L			SW846-6010
Nickel		1.2	mg/L			SW846-6010
Potassium		51	mg/L			SW846-6010
Selenium	U	0.0038	mg/L			SW846-6010
Silver	U	0.0045	mg/L			SW846-6010
Sodium		46	mg/L			SW846-6010
Thallium		0.063	mg/L			SW846-6010
Tin		0.75	mg/L			SW846-6010
Uranium	U	0.0092	mg/L			SW846-6010
Vanadium		1.3	mg/L			SW846-6010
Zinc		6.5	mg/L			SW846-6010
<b>RADS</b>						
Alpha activity	U	350	pCi/L			RL-7119
Alpha activity		89	pCi/L	9.4		EPA-900
Beta activity		430	pCi/L	14		EPA-900
Beta activity	U	310	pCi/L			RL-7119
Neptunium-237		0.04	pCi/L	0.03		EPA-907
Plutonium-239		0	pCi/L	0		EPA-907
Technetium-99		633	pCi/L	12.5		DNT
Thorium-230		1.56	pCi/L	0.28		EPA-907
Uranium-234		14.5	pCi/L	0.85		EPA-907
Uranium-235/236		1.36	pCi/L	0.29		EPA-907
Uranium-238		20.3	pCi/L	1		EPA-907
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.0002	mg/L			SW846-8260
1,3-Dichlorobenzene	U	0.00024	mg/L			SW846-8260
1,4-Dichlorobenzene	U	0.00022	mg/L			SW846-8260
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.00036	mg/L			SW846-8260
1,1,2,2-Tetrachloroethane	U	0.0012	mg/L			SW846-8260
1,1,2-Trichloro-1,2,2-trifluoroethane	U	0.00036	mg/L			SW846-8260
1,1,2-Trichloroethane	J	0.0044	mg/L			SW846-8260
1,1-Dichloroethane	U	0.00037	mg/L			SW846-8260

## GWW-01

## 1021003

## WAG 22 (SWMUs 7 and 30) 1021003

1,1-Dichloroethene	J	0.00075	mg/L	SW846-8260
1,2-Dichloroethane	U	0.00027	mg/L	SW846-8260
1,2-Dichloropropane	U	0.00026	mg/L	SW846-8260
2-Butanone	U	0.0034	mg/L	SW846-8260
2-Hexanone	U	0.0011	mg/L	SW846-8260
4-Methyl-2-pentanone	U	0.0011	mg/L	SW846-8260
Acetone		0.013	mg/L	SW846-8260
Benzene	U	0.00038	mg/L	SW846-8260
Bromodichloromethane	U	0.0005	mg/L	SW846-8260
Bromoform	U	0.00044	mg/L	SW846-8260
Bromomethane	U	0.00025	mg/L	SW846-8260
Carbon disulfide	U	0.00033	mg/L	SW846-8260
Carbon tetrachloride	J	0.0016	mg/L	SW846-8260
Chlorobenzene	U	0.00049	mg/L	SW846-8260
Chloroethane	U	0.0014	mg/L	SW846-8260
Chloroform	J	0.0041	mg/L	SW846-8260
Chloromethane	U	0.00037	mg/L	SW846-8260
cis-1,2-Dichloroethene		0.01	mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.0004	mg/L	SW846-8260
Dibromochloromethane	U	0.00043	mg/L	SW846-8260
Ethylbenzene	U	0.00044	mg/L	SW846-8260
Methylene chloride	U	0.00035	mg/L	SW846-8260
Styrene	U	0.0004	mg/L	SW846-8260
Tetrachloroethene	J	0.00091	mg/L	SW846-8260
Toluene	U	0.00044	mg/L	SW846-8260
Total Xylene	U	0.0013	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.00048	mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.00047	mg/L	SW846-8260
Trichloroethene	D	2.9	mg/L	SW846-8260
Vinyl chloride	U	0.0013	mg/L	SW846-8260

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**GWW-01**

**1021003**

**WAG 22 (SWMUs 7 and 30) 1021003**

**P01615**

Collected: 9/11/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Cyanide	U	0.0024	mg/L			SW846-9012
<b>METAL</b>						
Aluminum		670	mg/L			SW846-6010
Antimony		0.003	mg/L			SW846-7041
Arsenic		0.42	mg/L			SW846-6010
Barium		3.5	mg/L			SW846-6010
Beryllium		0.062	mg/L			SW846-6010
Cadmium		0.016	mg/L			SW846-6010
Calcium		160	mg/L			SW846-6010
Chromium		1.3	mg/L			SW846-6010
Cobalt		0.31	mg/L			SW846-6010
Copper		0.91	mg/L			SW846-6010
Iron		2100	mg/L			SW846-6010
Lead		0.65	mg/L			SW846-6010
Magnesium		58	mg/L			SW846-6010
Manganese		20	mg/L			SW846-6010
Mercury		0.0003	mg/L			SW846-7070
Molybdenum		0.17	mg/L			SW846-6010
Nickel		0.98	mg/L			SW846-6010
Potassium		47	mg/L			SW846-6010
Selenium	U	0.0038	mg/L			SW846-6010
Silver	U	0.0045	mg/L			SW846-6010
Sodium		38	mg/L			SW846-6010
Thallium		0.077	mg/L			SW846-6010
Tin		1	mg/L			SW846-6010
Uranium	U	0.0092	mg/L			SW846-6010
Vanadium		1.1	mg/L			SW846-6010
Zinc		5.4	mg/L			SW846-6010
<b>RADS</b>						
Alpha activity	U	330	pCi/L			RL-7119
Alpha activity		81	pCi/L	5		EPA-900
Beta activity		880	pCi/L	9.4		EPA-900
Beta activity	U	340	pCi/L			RL-7119
Neptunium-237		0.03	pCi/L	0.02		EPA-907
Plutonium-239		-0.28	pCi/L	0.04		EPA-907
Technetium-99		1550	pCi/L	17.7		DNT
Thorium-230		1.37	pCi/L	0.27		EPA-907
Uranium-234		6.34	pCi/L	0.63		EPA-907
Uranium-235/236		0.83	pCi/L	0.28		EPA-907
Uranium-238		6.27	pCi/L	0.63		EPA-907
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.0002	mg/L			SW846-8260
1,3-Dichlorobenzene	U	0.00024	mg/L			SW846-8260
1,4-Dichlorobenzene	U	0.00022	mg/L			SW846-8260
<b>VOA</b>						
1,1,1-Trichloroethane	J	0.0013	mg/L			SW846-8260
1,1,2,2-Tetrachloroethane	U	0.0012	mg/L			SW846-8260
1,1,2-Trichloro-1,2,2-trifluoroethane	U	0.00036	mg/L			SW846-8260
1,1,2-Trichloroethane		0.009	mg/L			SW846-8260

**GWW-01****1021003****WAG 22 (SWMUs 7 and 30) 1021003**

1,1-Dichloroethane	U	0.00037	mg/L	SW846-8260
1,1-Dichloroethene	J	0.0037	mg/L	SW846-8260
1,2-Dichloroethane	J	0.00068	mg/L	SW846-8260
1,2-Dichloropropane	U	0.00026	mg/L	SW846-8260
2-Butanone	U	0.0034	mg/L	SW846-8260
2-Hexanone	U	0.0011	mg/L	SW846-8260
4-Methyl-2-pentanone	U	0.0011	mg/L	SW846-8260
Acetone		0.016	mg/L	SW846-8260
Benzene	U	0.00038	mg/L	SW846-8260
Bromodichloromethane	U	0.0005	mg/L	SW846-8260
Bromoform	U	0.00044	mg/L	SW846-8260
Bromomethane	U	0.00025	mg/L	SW846-8260
Carbon disulfide	U	0.00033	mg/L	SW846-8260
Carbon tetrachloride	J	0.0047	mg/L	SW846-8260
Chlorobenzene	U	0.00049	mg/L	SW846-8260
Chloroethane	U	0.0014	mg/L	SW846-8260
Chloroform		0.012	mg/L	SW846-8260
Chloromethane	U	0.00037	mg/L	SW846-8260
cis-1,2-Dichloroethene		0.023	mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.0004	mg/L	SW846-8260
Dibromochloromethane	U	0.00043	mg/L	SW846-8260
Ethylbenzene	U	0.00044	mg/L	SW846-8260
Methylene chloride	U	0.00035	mg/L	SW846-8260
Styrene	U	0.0004	mg/L	SW846-8260
Tetrachloroethene	J	0.0048	mg/L	SW846-8260
Toluene	U	0.00044	mg/L	SW846-8260
Total Xylene	U	0.0013	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.00048	mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.00047	mg/L	SW846-8260
Trichloroethene	D	14	mg/L	SW846-8260
Vinyl chloride	U	0.0013	mg/L	SW846-8260

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**GWW-01**

**1021003**

**WAG 22 (SWMUs 7 and 30) 1021003**

**P01616**

Collected: 9/16/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Cyanide	U	0.0024	mg/L			SW846-9012
<b>METAL</b>						
Aluminum		470	mg/L			SW846-6010
Antimony	U	0.0024	mg/L			SW846-7041
Arsenic		0.21	mg/L			SW846-6010
Barium		1.9	mg/L			SW846-6010
Beryllium		0.026	mg/L			SW846-6010
Cadmium		0.028	mg/L			SW846-6010
Calcium		66	mg/L			SW846-6010
Chromium		1.7	mg/L			SW846-6010
Cobalt		0.2	mg/L			SW846-6010
Copper		1.5	mg/L			SW846-6010
Iron		1900	mg/L			SW846-6010
Lead		0.39	mg/L			SW846-6010
Magnesium		37	mg/L			SW846-6010
Manganese		12	mg/L			SW846-6010
Mercury		0.0004	mg/L			SW846-7070
Molybdenum		0.35	mg/L			SW846-6010
Nickel		1.2	mg/L			SW846-6010
Potassium		37	mg/L			SW846-6010
Selenium		0.065	mg/L			SW846-6010
Silver	U	0.0045	mg/L			SW846-6010
Sodium		13	mg/L			SW846-6010
Thallium	U	0.037	mg/L			SW846-6010
Tin		0.92	mg/L			SW846-6010
Uranium	U	0.0092	mg/L			SW846-6010
Vanadium		0.95	mg/L			SW846-6010
Zinc		15	mg/L			SW846-6010
<b>RADS</b>						
Alpha activity		3.3	pCi/L	0.84		EPA-900
Alpha activity	U	370	pCi/L			RL-7119
Beta activity		13	pCi/L	1.1		EPA-900
Beta activity	U	330	pCi/L			RL-7119
Neptunium-237		-0.268	pCi/L	0.14		EPA-907
Plutonium-239		-0.53	pCi/L	0.06		EPA-907
Technetium-99		7.9	pCi/L	8.2		DNT
Thorium-230		1.38	pCi/L	0.26		EPA-907
Uranium-234		0.26	pCi/L	0.13		EPA-907
Uranium-235/236		0.02	pCi/L	0.05		EPA-907
Uranium-238		0.17	pCi/L	0.12		EPA-907
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.0002	mg/L			SW846-8260
1,3-Dichlorobenzene	U	0.00024	mg/L			SW846-8260
1,4-Dichlorobenzene	U	0.00022	mg/L			SW846-8260
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.00036	mg/L			SW846-8260
1,1,2,2-Tetrachloroethane	U	0.0012	mg/L			SW846-8260
1,1,2-Trichloro-1,2,2-trifluoroethane	U	0.00036	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.00053	mg/L			SW846-8260

**GWW-01****1021003****WAG 22 (SWMUs 7 and 30) 1021003**

1,1-Dichloroethane	U	0.00037	mg/L	SW846-8260
1,1-Dichloroethene	U	0.00044	mg/L	SW846-8260
1,2-Dichloroethane	U	0.00027	mg/L	SW846-8260
1,2-Dichloropropane	U	0.00026	mg/L	SW846-8260
2-Butanone	U	0.0034	mg/L	SW846-8260
2-Hexanone	U	0.0011	mg/L	SW846-8260
4-Methyl-2-pentanone	U	0.0011	mg/L	SW846-8260
Acetone	J	0.0073	mg/L	SW846-8260
Benzene	U	0.00038	mg/L	SW846-8260
Bromodichloromethane	U	0.0005	mg/L	SW846-8260
Bromoform	U	0.00044	mg/L	SW846-8260
Bromomethane	U	0.00025	mg/L	SW846-8260
Carbon disulfide	U	0.00033	mg/L	SW846-8260
Carbon tetrachloride	U	0.00035	mg/L	SW846-8260
Chlorobenzene	U	0.00049	mg/L	SW846-8260
Chloroethane	U	0.0014	mg/L	SW846-8260
Chloroform	J	0.00084	mg/L	SW846-8260
Chloromethane	U	0.00037	mg/L	SW846-8260
cis-1,2-Dichloroethene	J	0.0011	mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.0004	mg/L	SW846-8260
Dibromochloromethane	U	0.00043	mg/L	SW846-8260
Ethylbenzene	U	0.00044	mg/L	SW846-8260
Methylene chloride	U	0.00035	mg/L	SW846-8260
Styrene	U	0.0004	mg/L	SW846-8260
Tetrachloroethene	U	0.00035	mg/L	SW846-8260
Toluene	J	0.00052	mg/L	SW846-8260
Total Xylene	U	0.0013	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.00048	mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.00047	mg/L	SW846-8260
Trichloroethene		0.11	mg/L	SW846-8260
Vinyl chloride	U	0.0013	mg/L	SW846-8260

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## GWW-02

## 1021003

## WAG 22 (SWMUs 7 and 30) 1021003

## P02611

Collected: 7/10/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>RADS</b>						
Alpha activity		20	pCi/L			RL-7119
Beta activity		190	pCi/L			RL-7119
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.0002	mg/L			SW846-8260
1,3-Dichlorobenzene	U	0.00024	mg/L			SW846-8260
1,4-Dichlorobenzene	U	0.00022	mg/L			SW846-8260
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.00036	mg/L			SW846-8260
1,1,2,2-Tetrachloroethane	U	0.0012	mg/L			SW846-8260
1,1,2-Trichloro-1,2,2-trifluoroethane	U	0.00036	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.00053	mg/L			SW846-8260
1,1-Dichloroethane	U	0.00037	mg/L			SW846-8260
1,1-Dichloroethene	U	0.00044	mg/L			SW846-8260
1,2-Dichloroethane	U	0.00027	mg/L			SW846-8260
1,2-Dichloropropane	U	0.00026	mg/L			SW846-8260
2-Butanone	U	0.0034	mg/L			SW846-8260
2-Hexanone	U	0.0011	mg/L			SW846-8260
4-Methyl-2-pentanone	U	0.0011	mg/L			SW846-8260
Acetone		0.038	mg/L			SW846-8260
Benzene	U	0.00038	mg/L			SW846-8260
Bromodichloromethane	U	0.0005	mg/L			SW846-8260
Bromoform	U	0.00044	mg/L			SW846-8260
Bromomethane	U	0.00025	mg/L			SW846-8260
Carbon disulfide	U	0.00033	mg/L			SW846-8260
Carbon tetrachloride	U	0.00035	mg/L			SW846-8260
Chlorobenzene	U	0.00049	mg/L			SW846-8260
Chloroethane	U	0.0014	mg/L			SW846-8260
Chloroform	U	0.00041	mg/L			SW846-8260
Chloromethane	U	0.00037	mg/L			SW846-8260
cis-1,2-Dichloroethene	U	0.00047	mg/L			SW846-8260
cis-1,3-Dichloropropene	U	0.0004	mg/L			SW846-8260
Dibromochloromethane	U	0.00043	mg/L			SW846-8260
Ethylbenzene	U	0.00044	mg/L			SW846-8260
Methylene chloride	U	0.00035	mg/L			SW846-8260
Styrene	U	0.0004	mg/L			SW846-8260
Tetrachloroethene	U	0.00035	mg/L			SW846-8260
Toluene	J	0.00058	mg/L			SW846-8260
Total Xylene	U	0.0013	mg/L			SW846-8260
trans-1,2-Dichloroethene	U	0.00048	mg/L			SW846-8260
trans-1,3-Dichloropropene	U	0.00047	mg/L			SW846-8260
Trichloroethene	U	0.00039	mg/L			SW846-8260
Vinyl chloride	U	0.0013	mg/L			SW846-8260

## GWW-02

## 1021003

## WAG 22 (SWMUs 7 and 30) 1021003

## P02612

Collected: 9/5/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Cyanide	U	0.0024	mg/L			SW846-9012
<b>METAL</b>						
Aluminum		360	mg/L			SW846-6010
Arsenic		0.085	mg/L			SW846-6010
Barium		3.5	mg/L			SW846-6010
Beryllium		0.017	mg/L			SW846-6010
Cadmium		0.0044	mg/L			SW846-6010
Calcium		65	mg/L			SW846-6010
Chromium		0.37	mg/L			SW846-6010
Cobalt		0.24	mg/L			SW846-6010
Copper		0.23	mg/L			SW846-6010
Iron		400	mg/L			SW846-6010
Lead		0.21	mg/L			SW846-6010
Magnesium		36	mg/L			SW846-6010
Manganese		22	mg/L			SW846-6010
Mercury		0.0001	mg/L			SW846-7070
Molybdenum		0.029	mg/L			SW846-6010
Nickel		0.44	mg/L			SW846-6010
Potassium		38	mg/L			SW846-6010
Selenium	U	0.0038	mg/L			SW846-6010
Silver	U	0.0045	mg/L			SW846-6010
Sodium		24	mg/L			SW846-6010
Thallium	U	0.0037	mg/L			SW846-6010
Tin		0.23	mg/L			SW846-6010
Uranium	U	0.0092	mg/L			SW846-6010
Vanadium		0.4	mg/L			SW846-6010
Zinc		2.1	mg/L			SW846-6010
<b>RADS</b>						
Alpha activity		120	pCi/L			RL-7119
Alpha activity		0.04	pCi/L	0.01		EPA-900
Beta activity	U	210	pCi/L			RL-7119
Beta activity		0.24	pCi/L	0.02		EPA-900
Neptunium-237		-0.026	pCi/L	0.02		EPA-907
Plutonium-239		-0.696	pCi/L	0.09		EPA-907
Technetium-99		147	pCi/L	8.58		DNT
Thorium-230		8.26	pCi/L	0.81		EPA-907
Uranium-234		2.75	pCi/L	0.39		EPA-907
Uranium-235/236		0.22	pCi/L	0.16		EPA-907
Uranium-238		2.9	pCi/L	0.4		EPA-907
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.0002	mg/L			SW846-8260
1,3-Dichlorobenzene	U	0.00024	mg/L			SW846-8260
1,4-Dichlorobenzene	U	0.00022	mg/L			SW846-8260
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.00036	mg/L			SW846-8260
1,1,2,2-Tetrachloroethane	U	0.0012	mg/L			SW846-8260
1,1,2-Trichloro-1,2,2-trifluoroethane	U	0.00036	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.00053	mg/L			SW846-8260
1,1-Dichloroethane	U	0.00037	mg/L			SW846-8260



**GWW-02****1021003****WAG 22 (SWMUs 7 and 30) 1021003**

1,1-Dichloroethene	U	0.00044	mg/L	SW846-8260
1,2-Dichloroethane	U	0.00027	mg/L	SW846-8260
1,2-Dichloropropane	U	0.00026	mg/L	SW846-8260
2-Butanone	U	0.0034	mg/L	SW846-8260
2-Hexanone	U	0.0011	mg/L	SW846-8260
4-Methyl-2-pentanone	U	0.0011	mg/L	SW846-8260
Acetone	B	0.16	mg/L	SW846-8260
Benzene	U	0.00038	mg/L	SW846-8260
Bromodichloromethane	U	0.0005	mg/L	SW846-8260
Bromoform	U	0.00044	mg/L	SW846-8260
Bromomethane	U	0.00025	mg/L	SW846-8260
Carbon disulfide	U	0.00033	mg/L	SW846-8260
Carbon tetrachloride	U	0.00035	mg/L	SW846-8260
Chlorobenzene	U	0.00049	mg/L	SW846-8260
Chloroethane	U	0.0014	mg/L	SW846-8260
Chloroform	J	0.00095	mg/L	SW846-8260
Chloromethane	U	0.00037	mg/L	SW846-8260
cis-1,2-Dichloroethene	J	0.0029	mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.0004	mg/L	SW846-8260
Dibromochloromethane	U	0.00043	mg/L	SW846-8260
Ethylbenzene	U	0.00044	mg/L	SW846-8260
Methylene chloride	U	0.00035	mg/L	SW846-8260
Styrene	U	0.0004	mg/L	SW846-8260
Tetrachloroethene	J	0.0012	mg/L	SW846-8260
Toluene	U	0.00044	mg/L	SW846-8260
Total Xylene	U	0.0013	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.00048	mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.00047	mg/L	SW846-8260
Trichloroethene	D	0.27	mg/L	SW846-8260
Vinyl chloride	U	0.0013	mg/L	SW846-8260

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# Paducah-OREIS Data Report

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12/18/2007

**GWW-02**

**1021003**

**WAG 22 (SWMUs 7 and 30) 1021003**

**P02614**

Collected: 9/6/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Cyanide	U	0.0024	mg/L			SW846-9012
<b>METAL</b>						
Aluminum		63	mg/L			SW846-6010
Arsenic		0.037	mg/L			SW846-6010
Barium		0.61	mg/L			SW846-6010
Beryllium		0.003	mg/L			SW846-6010
Cadmium	U	0.0003	mg/L			SW846-6010
Calcium		71	mg/L			SW846-6010
Chromium		0.28	mg/L			SW846-6010
Cobalt		0.059	mg/L			SW846-6010
Copper		0.56	mg/L			SW846-6010
Iron		270	mg/L			SW846-6010
Lead		0.036	mg/L			SW846-6010
Magnesium		16	mg/L			SW846-6010
Manganese		5.2	mg/L			SW846-6010
Molybdenum		0.13	mg/L			SW846-6010
Nickel		0.33	mg/L			SW846-6010
Potassium		8.7	mg/L			SW846-6010
Selenium	U	0.0038	mg/L			SW846-6010
Silver	U	0.0045	mg/L			SW846-6010
Sodium		26	mg/L			SW846-6010
Thallium	U	0.0037	mg/L			SW846-6010
Tin		0.17	mg/L			SW846-6010
Uranium	U	0.0092	mg/L			SW846-6010
Vanadium		0.097	mg/L			SW846-6010
Zinc		4.9	mg/L			SW846-6010
<b>RADS</b>						
Alpha activity	U	90	pCi/L			RL-7119
Alpha activity		10	pCi/L	5.3		EPA-900
Beta activity	U	210	pCi/L			RL-7119
Beta activity		95	pCi/L	11		EPA-900
Neptunium-237		-0.063	pCi/L	0.02		EPA-907
Plutonium-239		0.06	pCi/L	0.09		EPA-907
Technetium-99		106	pCi/L	8.17		DNT
Thorium-230		6.31	pCi/L	0.66		EPA-907
Uranium-234		0.08	pCi/L	0.1		EPA-907
Uranium-235/236		0.02	pCi/L	0.07		EPA-907
Uranium-238		-0.159	pCi/L	0.07		EPA-907
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.0002	mg/L			SW846-8260
1,3-Dichlorobenzene	U	0.00024	mg/L			SW846-8260
1,4-Dichlorobenzene	U	0.00022	mg/L			SW846-8260
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.00036	mg/L			SW846-8260
1,1,2,2-Tetrachloroethane	U	0.0012	mg/L			SW846-8260
1,1,2-Trichloro-1,2,2-trifluoroethane	U	0.00036	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.00053	mg/L			SW846-8260
1,1-Dichloroethane	U	0.00037	mg/L			SW846-8260
1,1-Dichloroethene	U	0.00044	mg/L			SW846-8260

**GWW-02****1021003****WAG 22 (SWMUs 7 and 30) 1021003**

1,2-Dichloroethane	U	0.00027	mg/L	SW846-8260
1,2-Dichloropropane	U	0.00026	mg/L	SW846-8260
2-Butanone		0.086	mg/L	SW846-8260
2-Hexanone	J	0.0015	mg/L	SW846-8260
4-Methyl-2-pentanone	J	0.0029	mg/L	SW846-8260
Acetone	BD	0.26	mg/L	SW846-8260
Benzene	J	0.002	mg/L	SW846-8260
Bromodichloromethane	U	0.0005	mg/L	SW846-8260
Bromoform	U	0.00044	mg/L	SW846-8260
Bromomethane	U	0.00025	mg/L	SW846-8260
Carbon disulfide	U	0.00033	mg/L	SW846-8260
Carbon tetrachloride	U	0.00035	mg/L	SW846-8260
Chlorobenzene	U	0.00049	mg/L	SW846-8260
Chloroethane	U	0.0014	mg/L	SW846-8260
Chloroform	J	0.0015	mg/L	SW846-8260
Chloromethane		0.014	mg/L	SW846-8260
cis-1,2-Dichloroethene	J	0.0039	mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.0004	mg/L	SW846-8260
Dibromochloromethane	U	0.00043	mg/L	SW846-8260
Ethylbenzene	U	0.00044	mg/L	SW846-8260
Methylene chloride	U	0.00035	mg/L	SW846-8260
Styrene	U	0.0004	mg/L	SW846-8260
Tetrachloroethene	U	0.00035	mg/L	SW846-8260
Toluene		0.019	mg/L	SW846-8260
Total Xylene	U	0.0013	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.00048	mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.00047	mg/L	SW846-8260
Trichloroethene	D	0.28	mg/L	SW846-8260
Vinyl chloride	U	0.0013	mg/L	SW846-8260

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## GWW-02

## 1021003

## WAG 22 (SWMUs 7 and 30) 1021003

## P02613

Collected: 9/7/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Cyanide	U	0.0024	mg/L			SW846-9012
<b>METAL</b>						
Aluminum		18	mg/L			SW846-6010
Antimony		0.0043	mg/L			SW846-7041
Arsenic		0.091	mg/L			SW846-6010
Barium		0.45	mg/L			SW846-6010
Beryllium		0.006	mg/L			SW846-6010
Cadmium	U	0.0003	mg/L			SW846-6010
Calcium		44	mg/L			SW846-6010
Chromium		0.13	mg/L			SW846-6010
Cobalt		0.037	mg/L			SW846-6010
Copper		0.1	mg/L			SW846-6010
Iron		340	mg/L			SW846-6010
Lead		0.019	mg/L			SW846-6010
Magnesium		15	mg/L			SW846-6010
Manganese		4.2	mg/L			SW846-6010
Molybdenum		0.087	mg/L			SW846-6010
Nickel		0.23	mg/L			SW846-6010
Potassium		3.3	mg/L			SW846-6010
Selenium	U	0.0038	mg/L			SW846-6010
Silver	U	0.0045	mg/L			SW846-6010
Sodium		37	mg/L			SW846-6010
Thallium	B	0.0055	mg/L			SW846-6010
Tin		0.23	mg/L			SW846-6010
Uranium	B	0.063	mg/L			SW846-6010
Vanadium		0.082	mg/L			SW846-6010
Zinc		2.1	mg/L			SW846-6010
<b>RADS</b>						
Alpha activity		1.2	pCi/L	7.1		EPA-900
Alpha activity	U	90	pCi/L			RL-7119
Beta activity	U	210	pCi/L			RL-7119
Beta activity		40	pCi/L	17		EPA-900
Neptunium-237		0.01	pCi/L	0.02		EPA-907
Plutonium-239		0.13	pCi/L	0.08		EPA-907
Technetium-99		56.9	pCi/L	7.63		DNT
Thorium-230		8.42	pCi/L	0.81		EPA-907
Uranium-234		1.25	pCi/L	0.26		EPA-907
Uranium-235/236		0.08	pCi/L	0.07		EPA-907
Uranium-238		1.25	pCi/L	0.26		EPA-907
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.0002	mg/L			SW846-8260
1,3-Dichlorobenzene	U	0.00024	mg/L			SW846-8260
1,4-Dichlorobenzene	U	0.00022	mg/L			SW846-8260
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.00036	mg/L			SW846-8260
1,1,2,2-Tetrachloroethane	U	0.0012	mg/L			SW846-8260
1,1,2-Trichloro-1,2,2-trifluoroethane	U	0.00036	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.00053	mg/L			SW846-8260
1,1-Dichloroethane	U	0.00037	mg/L			SW846-8260

**GWW-02****1021003****WAG 22 (SWMUs 7 and 30) 1021003**

1,1-Dichloroethene	U	0.00044	mg/L	SW846-8260
1,2-Dichloroethane	U	0.00027	mg/L	SW846-8260
1,2-Dichloropropane	U	0.00026	mg/L	SW846-8260
2-Butanone	U	0.0034	mg/L	SW846-8260
2-Hexanone	U	0.0011	mg/L	SW846-8260
4-Methyl-2-pentanone	U	0.0011	mg/L	SW846-8260
Acetone	B	0.14	mg/L	SW846-8260
Benzene	U	0.00038	mg/L	SW846-8260
Bromodichloromethane	U	0.0005	mg/L	SW846-8260
Bromoform	U	0.00044	mg/L	SW846-8260
Bromomethane	U	0.00025	mg/L	SW846-8260
Carbon disulfide	U	0.00033	mg/L	SW846-8260
Carbon tetrachloride	U	0.00035	mg/L	SW846-8260
Chlorobenzene	U	0.00049	mg/L	SW846-8260
Chloroethane	U	0.0014	mg/L	SW846-8260
Chloroform	J	0.0032	mg/L	SW846-8260
Chloromethane	U	0.00037	mg/L	SW846-8260
cis-1,2-Dichloroethene		0.0062	mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.0004	mg/L	SW846-8260
Dibromochloromethane	U	0.00043	mg/L	SW846-8260
Ethylbenzene	U	0.00044	mg/L	SW846-8260
Methylene chloride	U	0.00035	mg/L	SW846-8260
Styrene	U	0.0004	mg/L	SW846-8260
Tetrachloroethene	U	0.00035	mg/L	SW846-8260
Toluene		0.0025	mg/L	SW846-8260
Total Xylene	U	0.0013	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.00048	mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.00047	mg/L	SW846-8260
Trichloroethene	D	0.35	mg/L	SW846-8260
Vinyl chloride	U	0.0013	mg/L	SW846-8260

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## GWW-02

## 1021003

## WAG 22 (SWMUs 7 and 30) 1021003

## P02615

Collected: 9/7/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Cyanide	U	0.0024	mg/L			SW846-9012
<b>METAL</b>						
Aluminum		500	mg/L			SW846-6010
Arsenic		0.2	mg/L			SW846-6010
Barium		3.2	mg/L			SW846-6010
Beryllium		0.053	mg/L			SW846-6010
Cadmium		0.01	mg/L			SW846-6010
Calcium		110	mg/L			SW846-6010
Chromium		2	mg/L			SW846-6010
Cobalt		0.33	mg/L			SW846-6010
Copper		0.96	mg/L			SW846-6010
Iron		1800	mg/L			SW846-6010
Lead		0.27	mg/L			SW846-6010
Magnesium		42	mg/L			SW846-6010
Manganese		18	mg/L			SW846-6010
Mercury		0.0004	mg/L			SW846-7070
Molybdenum		0.17	mg/L			SW846-6010
Nickel		0.87	mg/L			SW846-6010
Potassium		32	mg/L			SW846-6010
Selenium	U	0.0038	mg/L			SW846-6010
Silver	U	0.0045	mg/L			SW846-6010
Sodium		39	mg/L			SW846-6010
Thallium		0.087	mg/L			SW846-6010
Tin		0.92	mg/L			SW846-6010
Uranium	U	0.0092	mg/L			SW846-6010
Vanadium		0.83	mg/L			SW846-6010
Zinc		5.4	mg/L			SW846-6010
<b>RADS</b>						
Alpha activity		28	pCi/L	9.3		EPA-900
Alpha activity	U	90	pCi/L			RL-7119
Beta activity	U	210	pCi/L			RL-7119
Beta activity		97	pCi/L	18		EPA-900
Neptunium-237		0.01	pCi/L	0.02		EPA-907
Plutonium-239		0.01	pCi/L	0.07		EPA-907
Technetium-99		122	pCi/L	8.33		DNT
Thorium-230		1.38	pCi/L	0.29		EPA-907
Uranium-234		10.2	pCi/L	0.85		EPA-907
Uranium-235/236		1.55	pCi/L	0.37		EPA-907
Uranium-238		5.72	pCi/L	0.64		EPA-907
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.0002	mg/L			SW846-8260
1,3-Dichlorobenzene	U	0.00024	mg/L			SW846-8260
1,4-Dichlorobenzene	U	0.00022	mg/L			SW846-8260
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.00036	mg/L			SW846-8260
1,1,2,2-Tetrachloroethane	U	0.0012	mg/L			SW846-8260
1,1,2-Trichloro-1,2,2-trifluoroethane	U	0.00036	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.00053	mg/L			SW846-8260
1,1-Dichloroethane	U	0.00037	mg/L			SW846-8260

**GWW-02****1021003****WAG 22 (SWMUs 7 and 30) 1021003**

1,1-Dichloroethene	U	0.00044	mg/L	SW846-8260
1,2-Dichloroethane	U	0.00027	mg/L	SW846-8260
1,2-Dichloropropane	U	0.00026	mg/L	SW846-8260
2-Butanone	U	0.0034	mg/L	SW846-8260
2-Hexanone	U	0.0011	mg/L	SW846-8260
4-Methyl-2-pentanone	U	0.0011	mg/L	SW846-8260
Acetone	BD	0.43	mg/L	SW846-8260
Benzene	U	0.00038	mg/L	SW846-8260
Bromodichloromethane	U	0.0005	mg/L	SW846-8260
Bromoform	U	0.00044	mg/L	SW846-8260
Bromomethane	U	0.00025	mg/L	SW846-8260
Carbon disulfide	U	0.00033	mg/L	SW846-8260
Carbon tetrachloride	U	0.00035	mg/L	SW846-8260
Chlorobenzene	U	0.00049	mg/L	SW846-8260
Chloroethane	U	0.0014	mg/L	SW846-8260
Chloroform	J	0.0045	mg/L	SW846-8260
Chloromethane	U	0.00037	mg/L	SW846-8260
cis-1,2-Dichloroethene		0.0064	mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.0004	mg/L	SW846-8260
Dibromochloromethane	U	0.00043	mg/L	SW846-8260
Ethylbenzene	U	0.00044	mg/L	SW846-8260
Methylene chloride	U	0.00035	mg/L	SW846-8260
Styrene	U	0.0004	mg/L	SW846-8260
Tetrachloroethene	U	0.00035	mg/L	SW846-8260
Toluene		0.0025	mg/L	SW846-8260
Total Xylene	U	0.0013	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.00048	mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.00047	mg/L	SW846-8260
Trichloroethene	D	0.41	mg/L	SW846-8260
Vinyl chloride	U	0.0013	mg/L	SW846-8260

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**GWW-02**

**1021003**

**WAG 22 (SWMUs 7 and 30) 1021003**

**P02616**

Collected: 9/7/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Cyanide	U	0.0024	mg/L			SW846-9012
<b>METAL</b>						
Aluminum		560	mg/L			SW846-6010
Arsenic		0.13	mg/L			SW846-6010
Barium		3.5	mg/L			SW846-6010
Beryllium		0.06	mg/L			SW846-6010
Cadmium		0.011	mg/L			SW846-6010
Calcium		100	mg/L			SW846-6010
Chromium		1.4	mg/L			SW846-6010
Cobalt		0.35	mg/L			SW846-6010
Copper		0.78	mg/L			SW846-6010
Iron		1900	mg/L			SW846-6010
Lead		0.29	mg/L			SW846-6010
Magnesium		45	mg/L			SW846-6010
Manganese		19	mg/L			SW846-6010
Mercury		0.0003	mg/L			SW846-7070
Molybdenum		0.065	mg/L			SW846-6010
Nickel		0.83	mg/L			SW846-6010
Potassium		32	mg/L			SW846-6010
Selenium	U	0.0038	mg/L			SW846-6010
Silver	U	0.0045	mg/L			SW846-6010
Sodium		38	mg/L			SW846-6010
Thallium		0.071	mg/L			SW846-6010
Tin		0.89	mg/L			SW846-6010
Uranium	U	0.0092	mg/L			SW846-6010
Vanadium		0.81	mg/L			SW846-6010
Zinc		4.6	mg/L			SW846-6010
<b>RADS</b>						
Alpha activity		14	pCi/L	8.7		EPA-900
Alpha activity	U	90	pCi/L			RL-7119
Beta activity		45	pCi/L	20		EPA-900
Beta activity	U	210	pCi/L			RL-7119
Neptunium-237		0	pCi/L	0.02		EPA-907
Plutonium-239		-0.142	pCi/L	0.05		EPA-907
Technetium-99		95.1	pCi/L	8.06		DNT
Thorium-230		2	pCi/L	0.34		EPA-907
Uranium-234		4.75	pCi/L	0.5		EPA-907
Uranium-235/236		0.52	pCi/L	0.19		EPA-907
Uranium-238		4.73	pCi/L	0.5		EPA-907
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.0002	mg/L			SW846-8260
1,3-Dichlorobenzene	U	0.00024	mg/L			SW846-8260
1,4-Dichlorobenzene	U	0.00022	mg/L			SW846-8260
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.00036	mg/L			SW846-8260
1,1,2,2-Tetrachloroethane	U	0.0012	mg/L			SW846-8260
1,1,2-Trichloro-1,2,2-trifluoroethane	U	0.00036	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.00053	mg/L			SW846-8260
1,1-Dichloroethane	U	0.00037	mg/L			SW846-8260



**GWW-02****1021003****WAG 22 (SWMUs 7 and 30) 1021003**

1,1-Dichloroethene	U	0.00044	mg/L	SW846-8260
1,2-Dichloroethane	U	0.00027	mg/L	SW846-8260
1,2-Dichloropropane	U	0.00026	mg/L	SW846-8260
2-Butanone	U	0.0034	mg/L	SW846-8260
2-Hexanone	U	0.0011	mg/L	SW846-8260
4-Methyl-2-pentanone	U	0.0011	mg/L	SW846-8260
Acetone	B	0.2	mg/L	SW846-8260
Benzene	U	0.00038	mg/L	SW846-8260
Bromodichloromethane	U	0.0005	mg/L	SW846-8260
Bromoform	U	0.00044	mg/L	SW846-8260
Bromomethane	U	0.00025	mg/L	SW846-8260
Carbon disulfide	U	0.00033	mg/L	SW846-8260
Carbon tetrachloride	U	0.00035	mg/L	SW846-8260
Chlorobenzene	U	0.00049	mg/L	SW846-8260
Chloroethane	U	0.0014	mg/L	SW846-8260
Chloroform	J	0.0038	mg/L	SW846-8260
Chloromethane	U	0.00037	mg/L	SW846-8260
cis-1,2-Dichloroethene		0.0056	mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.0004	mg/L	SW846-8260
Dibromochloromethane	U	0.00043	mg/L	SW846-8260
Ethylbenzene	U	0.00044	mg/L	SW846-8260
Methylene chloride	U	0.00035	mg/L	SW846-8260
Styrene	U	0.0004	mg/L	SW846-8260
Tetrachloroethene	U	0.00035	mg/L	SW846-8260
Toluene	J	0.00078	mg/L	SW846-8260
Total Xylene	U	0.0013	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.00048	mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.00047	mg/L	SW846-8260
Trichloroethene		0.32	mg/L	SW846-8260
Vinyl chloride	U	0.0013	mg/L	SW846-8260

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## GW-03

## 1021003

## WAG 22 (SWMUs 7 and 30) 1021003

## P03611

Collected: 7/16/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>RADS</b>						
Alpha activity		50	pCi/L	4.2		EPA-900
Alpha activity	U	350	pCi/L			RL-7119
Beta activity		13	pCi/L	3.7		EPA-900
Beta activity	U	330	pCi/L			RL-7119
Neptunium-237		0.29	pCi/L	0.47		EPA-907
Plutonium-239		0.42	pCi/L	0.29		EPA-907
Technetium-99		13.4	pCi/L	7.21		DNT
Thorium-230		1.56	pCi/L	0.65		EPA-907
Uranium-234		14.6	pCi/L	1.74		EPA-907
Uranium-235/236		0.57	pCi/L	0.45		EPA-907
Uranium-238		22.2	pCi/L	2.11		EPA-907
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.0002	mg/L			SW846-8260
1,3-Dichlorobenzene	U	0.00024	mg/L			SW846-8260
1,4-Dichlorobenzene	U	0.00022	mg/L			SW846-8260
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.00036	mg/L			SW846-8260
1,1,2,2-Tetrachloroethane	U	0.0012	mg/L			SW846-8260
1,1,2-Trichloro-1,2,2-trifluoroethane	U	0.00036	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.00053	mg/L			SW846-8260
1,1-Dichloroethane	U	0.00037	mg/L			SW846-8260
1,1-Dichloroethene	U	0.00044	mg/L			SW846-8260
1,2-Dichloroethane	U	0.00027	mg/L			SW846-8260
1,2-Dichloropropane	U	0.00026	mg/L			SW846-8260
2-Butanone	U	0.0034	mg/L			SW846-8260
2-Hexanone	U	0.0011	mg/L			SW846-8260
4-Methyl-2-pentanone	U	0.0011	mg/L			SW846-8260
Acetone		1.7	mg/L			SW846-8260
Benzene	U	0.00038	mg/L			SW846-8260
Bromodichloromethane	U	0.0005	mg/L			SW846-8260
Bromoform	U	0.00044	mg/L			SW846-8260
Bromomethane	U	0.00025	mg/L			SW846-8260
Carbon disulfide	U	0.00033	mg/L			SW846-8260
Carbon tetrachloride	U	0.00035	mg/L			SW846-8260
Chlorobenzene	U	0.00049	mg/L			SW846-8260
Chloroethane	U	0.0014	mg/L			SW846-8260
Chloroform	U	0.00041	mg/L			SW846-8260
Chloromethane	U	0.00037	mg/L			SW846-8260
cis-1,2-Dichloroethene	U	0.00047	mg/L			SW846-8260
cis-1,3-Dichloropropene	U	0.0004	mg/L			SW846-8260
Dibromochloromethane	U	0.00043	mg/L			SW846-8260
Ethylbenzene	U	0.00044	mg/L			SW846-8260
Methylene chloride	U	0.00035	mg/L			SW846-8260
Styrene	U	0.0004	mg/L			SW846-8260
Tetrachloroethene	U	0.00035	mg/L			SW846-8260
Toluene	U	0.00044	mg/L			SW846-8260
Total Xylene	U	0.0013	mg/L			SW846-8260
trans-1,2-Dichloroethene	U	0.00048	mg/L			SW846-8260
trans-1,3-Dichloropropene	U	0.00047	mg/L			SW846-8260

**GWW-03**

**1021003**

**WAG 22 (SWMUs 7 and 30) 1021003**

Trichloroethene	U	0.00039	mg/L	SW846-8260
Vinyl chloride	U	0.0013	mg/L	SW846-8260

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**GWW-03**

**1021003**

**WAG 22 (SWMUs 7 and 30) 1021003**

**P03612**

Collected: 9/17/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Cyanide	U	0.0024	mg/L			SW846-9012
<b>METAL</b>						
Aluminum		92	mg/L			SW846-6010
Arsenic		0.03	mg/L			SW846-6010
Barium		0.6	mg/L			SW846-6010
Beryllium		0.0052	mg/L			SW846-6010
Cadmium	U	0.0003	mg/L			SW846-6010
Calcium		24	mg/L			SW846-6010
Chromium		0.1	mg/L			SW846-6010
Cobalt		0.13	mg/L			SW846-6010
Copper		0.074	mg/L			SW846-6010
Iron		140	mg/L			SW846-6010
Lead		0.085	mg/L			SW846-6010
Magnesium		12	mg/L			SW846-6010
Manganese		1.9	mg/L			SW846-6010
Mercury		0.0001	mg/L			SW846-7070
Molybdenum	U	0.0044	mg/L			SW846-6010
Nickel		0.12	mg/L			SW846-6010
Potassium		12	mg/L			SW846-6010
Selenium	U	0.0038	mg/L			SW846-6010
Silver	U	0.0045	mg/L			SW846-6010
Sodium		23	mg/L			SW846-6010
Thallium	B	0.0074	mg/L			SW846-6010
Tin	B	0.093	mg/L			SW846-6010
Uranium	U	0.0092	mg/L			SW846-6010
Vanadium		0.15	mg/L			SW846-6010
Zinc		0.99	mg/L			SW846-6010
<b>RADS</b>						
Alpha activity		21	pCi/L	1.5		EPA-900
Alpha activity	U	270	pCi/L			RL-7119
Beta activity		11	pCi/L	1.3		EPA-900
Beta activity	U	330	pCi/L			RL-7119
Neptunium-237		0.03	pCi/L	0.09		EPA-907
Plutonium-239		0.01	pCi/L	0.06		EPA-907
Technetium-99		-2.7	pCi/L	8.1		DNT
Thorium-230		1.94	pCi/L	0.34		EPA-907
Uranium-234		18.6	pCi/L	1.22		EPA-907
Uranium-235/236		2.07	pCi/L	0.46		EPA-907
Uranium-238		2.84	pCi/L	0.48		EPA-907
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.0002	mg/L			SW846-8260
1,3-Dichlorobenzene	U	0.00024	mg/L			SW846-8260
1,4-Dichlorobenzene	U	0.00022	mg/L			SW846-8260
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.00036	mg/L			SW846-8260
1,1,2,2-Tetrachloroethane	U	0.0012	mg/L			SW846-8260
1,1,2-Trichloro-1,2,2-trifluoroethane	U	0.00036	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.00053	mg/L			SW846-8260
1,1-Dichloroethane	U	0.00037	mg/L			SW846-8260

**GWW-03****1021003****WAG 22 (SWMUs 7 and 30) 1021003**

1,1-Dichloroethene	U	0.00044	mg/L	SW846-8260
1,2-Dichloroethane	U	0.00027	mg/L	SW846-8260
1,2-Dichloropropane	U	0.00026	mg/L	SW846-8260
2-Butanone	U	0.0034	mg/L	SW846-8260
2-Hexanone	U	0.0011	mg/L	SW846-8260
4-Methyl-2-pentanone	U	0.0011	mg/L	SW846-8260
Acetone	J	0.0049	mg/L	SW846-8260
Benzene	U	0.00038	mg/L	SW846-8260
Bromodichloromethane	U	0.0005	mg/L	SW846-8260
Bromoform	U	0.00044	mg/L	SW846-8260
Bromomethane	U	0.00025	mg/L	SW846-8260
Carbon disulfide	U	0.00033	mg/L	SW846-8260
Carbon tetrachloride	U	0.00035	mg/L	SW846-8260
Chlorobenzene	U	0.00049	mg/L	SW846-8260
Chloroethane	U	0.0014	mg/L	SW846-8260
Chloroform	U	0.00041	mg/L	SW846-8260
Chloromethane	U	0.00037	mg/L	SW846-8260
cis-1,2-Dichloroethene	U	0.00047	mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.0004	mg/L	SW846-8260
Dibromochloromethane	U	0.00043	mg/L	SW846-8260
Ethylbenzene	U	0.00044	mg/L	SW846-8260
Methylene chloride	U	0.00035	mg/L	SW846-8260
Styrene	U	0.0004	mg/L	SW846-8260
Tetrachloroethene	U	0.00035	mg/L	SW846-8260
Toluene	U	0.00044	mg/L	SW846-8260
Total Xylene	U	0.0013	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.00048	mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.00047	mg/L	SW846-8260
Trichloroethene	U	0.00039	mg/L	SW846-8260
Vinyl chloride	U	0.0013	mg/L	SW846-8260

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Paducah-OREIS Data Report

GWW-03

1021003

WAG 22 (SWMUs 7 and 30) 1021003

P03613

Collected: 9/17/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Cyanide	U	0.0024	mg/L			SW846-9012
<b>METAL</b>						
Aluminum		1500	mg/L			SW846-6010
Arsenic		0.28	mg/L			SW846-6010
Barium		4.7	mg/L			SW846-6010
Beryllium		0.07	mg/L			SW846-6010
Cadmium		0.016	mg/L			SW846-6010
Calcium		400	mg/L			SW846-6010
Chromium		2	mg/L			SW846-6010
Cobalt		0.91	mg/L			SW846-6010
Copper		1.1	mg/L			SW846-6010
Iron		2200	mg/L			SW846-6010
Lead		0.74	mg/L			SW846-6010
Magnesium		75	mg/L			SW846-6010
Manganese		16	mg/L			SW846-6010
Mercury		0.0008	mg/L			SW846-7070
Molybdenum		0.18	mg/L			SW846-6010
Nickel		1.6	mg/L			SW846-6010
Potassium		89	mg/L			SW846-6010
Selenium	U	0.0038	mg/L			SW846-6010
Silver	U	0.0045	mg/L			SW846-6010
Sodium		30	mg/L			SW846-6010
Thallium		0.13	mg/L			SW846-6010
Tin		1	mg/L			SW846-6010
Uranium	U	0.0092	mg/L			SW846-6010
Vanadium		2.7	mg/L			SW846-6010
Zinc		9.8	mg/L			SW846-6010
<b>RADS</b>						
Alpha activity		21	pCi/L	6.9		EPA-900
Alpha activity	U	270	pCi/L			RL-7119
Beta activity	U	330	pCi/L			RL-7119
Beta activity		77	pCi/L	13		EPA-900
Neptunium-237		0.03	pCi/L	0.09		EPA-907
Plutonium-239		0.08	pCi/L	0.12		EPA-907
Technetium-99		15	pCi/L	8.3		DNT
Thorium-230		0.9	pCi/L	0.27		EPA-907
Uranium-234		7.95	pCi/L	0.66		EPA-907
Uranium-235/236		1.01	pCi/L	0.27		EPA-907
Uranium-238		5.46	pCi/L	0.55		EPA-907
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.0002	mg/L			SW846-8260
1,3-Dichlorobenzene	U	0.00024	mg/L			SW846-8260
1,4-Dichlorobenzene	U	0.00022	mg/L			SW846-8260
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.00036	mg/L			SW846-8260
1,1,2,2-Tetrachloroethane	U	0.0012	mg/L			SW846-8260
1,1,2-Trichloro-1,2,2-trifluoroethane	U	0.00036	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.00053	mg/L			SW846-8260
1,1-Dichloroethane	U	0.00037	mg/L			SW846-8260

**GWW-03****1021003****WAG 22 (SWMUs 7 and 30) 1021003**

1,1-Dichloroethene	U	0.00044	mg/L	SW846-8260
1,2-Dichloroethane	U	0.00027	mg/L	SW846-8260
1,2-Dichloropropane	U	0.00026	mg/L	SW846-8260
2-Butanone	U	0.0034	mg/L	SW846-8260
2-Hexanone	U	0.0011	mg/L	SW846-8260
4-Methyl-2-pentanone	U	0.0011	mg/L	SW846-8260
Acetone		0.028	mg/L	SW846-8260
Benzene	U	0.00038	mg/L	SW846-8260
Bromodichloromethane	U	0.0005	mg/L	SW846-8260
Bromoform	U	0.00044	mg/L	SW846-8260
Bromomethane	U	0.00025	mg/L	SW846-8260
Carbon disulfide	U	0.00033	mg/L	SW846-8260
Carbon tetrachloride	U	0.00035	mg/L	SW846-8260
Chlorobenzene	U	0.00049	mg/L	SW846-8260
Chloroethane	U	0.0014	mg/L	SW846-8260
Chloroform	U	0.00041	mg/L	SW846-8260
Chloromethane	U	0.00037	mg/L	SW846-8260
cis-1,2-Dichloroethene	U	0.00047	mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.0004	mg/L	SW846-8260
Dibromochloromethane	U	0.00043	mg/L	SW846-8260
Ethylbenzene	U	0.00044	mg/L	SW846-8260
Methylene chloride	U	0.00035	mg/L	SW846-8260
Styrene	U	0.0004	mg/L	SW846-8260
Tetrachloroethene	U	0.00035	mg/L	SW846-8260
Toluene	U	0.00044	mg/L	SW846-8260
Total Xylene	U	0.0013	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.00048	mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.00047	mg/L	SW846-8260
Trichloroethene	J	0.00058	mg/L	SW846-8260
Vinyl chloride	U	0.0013	mg/L	SW846-8260

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## GWW-03

## 1021003

## WAG 22 (SWMUs 7 and 30) 1021003

## P03614

Collected: 9/17/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Cyanide	U	0.0024	mg/L			SW846-9012
<b>METAL</b>						
Aluminum		570	mg/L			SW846-6010
Arsenic		0.18	mg/L			SW846-6010
Barium		3.1	mg/L			SW846-6010
Beryllium		0.031	mg/L			SW846-6010
Cadmium	U	0.0003	mg/L			SW846-6010
Calcium		280	mg/L			SW846-6010
Chromium		0.86	mg/L			SW846-6010
Cobalt		0.55	mg/L			SW846-6010
Copper		0.54	mg/L			SW846-6010
Iron		890	mg/L			SW846-6010
Lead		0.35	mg/L			SW846-6010
Magnesium		43	mg/L			SW846-6010
Manganese		14	mg/L			SW846-6010
Mercury		0.0004	mg/L			SW846-7070
Molybdenum		0.16	mg/L			SW846-6010
Nickel		0.58	mg/L			SW846-6010
Potassium		49	mg/L			SW846-6010
Selenium	U	0.0038	mg/L			SW846-6010
Silver	U	0.0045	mg/L			SW846-6010
Sodium		27	mg/L			SW846-6010
Thallium		0.04	mg/L			SW846-6010
Tin		0.46	mg/L			SW846-6010
Uranium	U	0.0092	mg/L			SW846-6010
Vanadium		1.1	mg/L			SW846-6010
Zinc		3.6	mg/L			SW846-6010
<b>RADS</b>						
Alpha activity	U	270	pCi/L			RL-7119
Alpha activity		39	pCi/L	3.7		EPA-900
Beta activity	U	330	pCi/L			RL-7119
Beta activity		39	pCi/L	3.9		EPA-900
Neptunium-237		0.05	pCi/L	0.11		EPA-907
Plutonium-239		0.78	pCi/L	0.28		EPA-907
Technetium-99		3.4	pCi/L	8.2		DNT
Thorium-230		1.78	pCi/L	0.32		EPA-907
Uranium-234		6.98	pCi/L	0.59		EPA-907
Uranium-235/236		0.85	pCi/L	0.23		EPA-907
Uranium-238		8	pCi/L	0.64		EPA-907
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.0002	mg/L			SW846-8260
1,3-Dichlorobenzene	U	0.00024	mg/L			SW846-8260
1,4-Dichlorobenzene	U	0.00022	mg/L			SW846-8260
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.00036	mg/L			SW846-8260
1,1,2,2-Tetrachloroethane	U	0.0012	mg/L			SW846-8260
1,1,2-Trichloro-1,2,2-trifluoroethane	U	0.00036	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.00053	mg/L			SW846-8260
1,1-Dichloroethane	U	0.00037	mg/L			SW846-8260



## GWW-03

## 1021003

## WAG 22 (SWMUs 7 and 30) 1021003

1,1-Dichloroethene	U	0.00044	mg/L	SW846-8260
1,2-Dichloroethane	U	0.00027	mg/L	SW846-8260
1,2-Dichloropropane	U	0.00026	mg/L	SW846-8260
2-Butanone	U	0.0034	mg/L	SW846-8260
2-Hexanone	U	0.0011	mg/L	SW846-8260
4-Methyl-2-pentanone	U	0.0011	mg/L	SW846-8260
Acetone		0.023	mg/L	SW846-8260
Benzene	U	0.00038	mg/L	SW846-8260
Bromodichloromethane	U	0.0005	mg/L	SW846-8260
Bromoform	U	0.00044	mg/L	SW846-8260
Bromomethane	U	0.00025	mg/L	SW846-8260
Carbon disulfide	U	0.00033	mg/L	SW846-8260
Carbon tetrachloride	U	0.00035	mg/L	SW846-8260
Chlorobenzene	U	0.00049	mg/L	SW846-8260
Chloroethane	U	0.0014	mg/L	SW846-8260
Chloroform	U	0.00041	mg/L	SW846-8260
Chloromethane	U	0.00037	mg/L	SW846-8260
cis-1,2-Dichloroethene	U	0.00047	mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.0004	mg/L	SW846-8260
Dibromochloromethane	U	0.00043	mg/L	SW846-8260
Ethylbenzene	U	0.00044	mg/L	SW846-8260
Methylene chloride	U	0.00035	mg/L	SW846-8260
Styrene	U	0.0004	mg/L	SW846-8260
Tetrachloroethene	U	0.00035	mg/L	SW846-8260
Toluene	U	0.00044	mg/L	SW846-8260
Total Xylene	U	0.0013	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.00048	mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.00047	mg/L	SW846-8260
Trichloroethene	J	0.0012	mg/L	SW846-8260
Vinyl chloride	U	0.0013	mg/L	SW846-8260

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## GWW-03

## 1021003

## WAG 22 (SWMUs 7 and 30) 1021003

## P03615

Collected: 9/17/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Cyanide	U	0.0024	mg/L			SW846-9012
<b>METAL</b>						
Aluminum		1600	mg/L			SW846-6010
Arsenic		0.32	mg/L			SW846-6010
Barium		9.1	mg/L			SW846-6010
Beryllium		0.095	mg/L			SW846-6010
Cadmium		0.031	mg/L			SW846-6010
Calcium		920	mg/L			SW846-6010
Chromium		2.1	mg/L			SW846-6010
Cobalt		1.3	mg/L			SW846-6010
Copper		1.3	mg/L			SW846-6010
Iron		2500	mg/L			SW846-6010
Lead		0.71	mg/L			SW846-6010
Magnesium		110	mg/L			SW846-6010
Manganese		54	mg/L			SW846-6010
Mercury		0.0012	mg/L			SW846-7070
Molybdenum		0.14	mg/L			SW846-6010
Nickel		1.4	mg/L			SW846-6010
Potassium		100	mg/L			SW846-6010
Selenium	U	0.0038	mg/L			SW846-6010
Silver	U	0.0045	mg/L			SW846-6010
Sodium		37	mg/L			SW846-6010
Thallium		0.088	mg/L			SW846-6010
Tin		1.1	mg/L			SW846-6010
Uranium	U	0.0092	mg/L			SW846-6010
Vanadium		3.8	mg/L			SW846-6010
Zinc		10	mg/L			SW846-6010
<b>RADS</b>						
Alpha activity	U	270	pCi/L			RL-7119
Alpha activity		14	pCi/L	5.6		EPA-900
Beta activity		64	pCi/L	8.7		EPA-900
Beta activity	U	330	pCi/L			RL-7119
Neptunium-237		-0.13	pCi/L	0.09		EPA-907
Plutonium-239		0.81	pCi/L	0.34		EPA-907
Technetium-99		22	pCi/L	8.3		DNT
Thorium-230		1.3	pCi/L	0.3		EPA-907
Uranium-234		2.14	pCi/L	0.32		EPA-907
Uranium-235/236		0.18	pCi/L	0.11		EPA-907
Uranium-238		1.96	pCi/L	0.31		EPA-907
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.0002	mg/L			SW846-8260
1,3-Dichlorobenzene	U	0.00024	mg/L			SW846-8260
1,4-Dichlorobenzene	U	0.00022	mg/L			SW846-8260
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.00036	mg/L			SW846-8260
1,1,2,2-Tetrachloroethane	U	0.0012	mg/L			SW846-8260
1,1,2-Trichloro-1,2,2-trifluoroethane	U	0.00036	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.00053	mg/L			SW846-8260
1,1-Dichloroethane	U	0.00037	mg/L			SW846-8260

**GWW-03****1021003****WAG 22 (SWMUs 7 and 30) 1021003**

1,1-Dichloroethene	U	0.00044	mg/L	SW846-8260
1,2-Dichloroethane	U	0.00027	mg/L	SW846-8260
1,2-Dichloropropane	U	0.00026	mg/L	SW846-8260
2-Butanone	U	0.0034	mg/L	SW846-8260
2-Hexanone	U	0.0011	mg/L	SW846-8260
4-Methyl-2-pentanone	U	0.0011	mg/L	SW846-8260
Acetone		0.014	mg/L	SW846-8260
Benzene	U	0.00038	mg/L	SW846-8260
Bromodichloromethane	U	0.0005	mg/L	SW846-8260
Bromoform	U	0.00044	mg/L	SW846-8260
Bromomethane	U	0.00025	mg/L	SW846-8260
Carbon disulfide	U	0.00033	mg/L	SW846-8260
Carbon tetrachloride	U	0.00035	mg/L	SW846-8260
Chlorobenzene	U	0.00049	mg/L	SW846-8260
Chloroethane	U	0.0014	mg/L	SW846-8260
Chloroform	J	0.00047	mg/L	SW846-8260
Chloromethane	U	0.00037	mg/L	SW846-8260
cis-1,2-Dichloroethene	J	0.00055	mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.0004	mg/L	SW846-8260
Dibromochloromethane	U	0.00043	mg/L	SW846-8260
Ethylbenzene	U	0.00044	mg/L	SW846-8260
Methylene chloride	U	0.00035	mg/L	SW846-8260
Styrene	U	0.0004	mg/L	SW846-8260
Tetrachloroethene	U	0.00035	mg/L	SW846-8260
Toluene	U	0.00044	mg/L	SW846-8260
Total Xylene	U	0.0013	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.00048	mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.00047	mg/L	SW846-8260
Trichloroethene		0.04	mg/L	SW846-8260
Vinyl chloride	U	0.0013	mg/L	SW846-8260

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## GWW-03

## 1021003

## WAG 22 (SWMUs 7 and 30) 1021003

## P03616

Collected: 9/18/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Cyanide	U	0.0024	mg/L			SW846-9012
<b>METAL</b>						
Aluminum		300	mg/L			SW846-6010
Arsenic		0.12	mg/L			SW846-6010
Barium		2.3	mg/L			SW846-6010
Beryllium		0.015	mg/L			SW846-6010
Cadmium	U	0.0003	mg/L			SW846-6010
Calcium		110	mg/L			SW846-6010
Chromium		0.45	mg/L			SW846-6010
Cobalt		0.22	mg/L			SW846-6010
Copper		0.26	mg/L			SW846-6010
Iron		550	mg/L			SW846-6010
Lead		0.16	mg/L			SW846-6010
Magnesium		28	mg/L			SW846-6010
Manganese		15	mg/L			SW846-6010
Mercury		0.0003	mg/L			SW846-7070
Molybdenum		0.085	mg/L			SW846-6010
Nickel		0.26	mg/L			SW846-6010
Potassium		29	mg/L			SW846-6010
Selenium		0.039	mg/L			SW846-6010
Silver	U	0.0045	mg/L			SW846-6010
Sodium		27	mg/L			SW846-6010
Thallium		0.023	mg/L			SW846-6010
Tin		0.31	mg/L			SW846-6010
Uranium	U	0.0092	mg/L			SW846-6010
Vanadium		0.76	mg/L			SW846-6010
Zinc		1.7	mg/L			SW846-6010
<b>RADS</b>						
Alpha activity		56	pCi/L	6.3		EPA-900
Alpha activity	U	270	pCi/L			RL-7119
Beta activity		520	pCi/L			RL-7119
Beta activity		60	pCi/L	8.4		EPA-900
Neptunium-237		-0.134	pCi/L	0.09		EPA-907
Plutonium-239		0.19	pCi/L	0.22		EPA-907
Technetium-99		1.3	pCi/L	8.1		DNT
Thorium-230		0.8	pCi/L	0.22		EPA-907
Uranium-234		4.26	pCi/L	0.46		EPA-907
Uranium-235/236		0.36	pCi/L	0.18		EPA-907
Uranium-238		3.94	pCi/L	0.44		EPA-907
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.0002	mg/L			SW846-8260
1,3-Dichlorobenzene	U	0.00024	mg/L			SW846-8260
1,4-Dichlorobenzene	U	0.00022	mg/L			SW846-8260
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.00036	mg/L			SW846-8260
1,1,2,2-Tetrachloroethane	U	0.0012	mg/L			SW846-8260
1,1,2-Trichloro-1,2,2-trifluoroethane	U	0.00036	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.00053	mg/L			SW846-8260
1,1-Dichloroethane	U	0.00037	mg/L			SW846-8260

**GWW-03****1021003****WAG 22 (SWMUs 7 and 30) 1021003**

1,1-Dichloroethene	U	0.00044	mg/L	SW846-8260
1,2-Dichloroethane	U	0.00027	mg/L	SW846-8260
1,2-Dichloropropane	U	0.00026	mg/L	SW846-8260
2-Butanone	U	0.0034	mg/L	SW846-8260
2-Hexanone	U	0.0011	mg/L	SW846-8260
4-Methyl-2-pentanone	U	0.0011	mg/L	SW846-8260
Acetone		0.014	mg/L	SW846-8260
Benzene	U	0.00038	mg/L	SW846-8260
Bromodichloromethane	U	0.0005	mg/L	SW846-8260
Bromoform	U	0.00044	mg/L	SW846-8260
Bromomethane	U	0.00025	mg/L	SW846-8260
Carbon disulfide	U	0.00033	mg/L	SW846-8260
Carbon tetrachloride	U	0.00035	mg/L	SW846-8260
Chlorobenzene	U	0.00049	mg/L	SW846-8260
Chloroethane	U	0.0014	mg/L	SW846-8260
Chloroform	U	0.00041	mg/L	SW846-8260
Chloromethane	U	0.00037	mg/L	SW846-8260
cis-1,2-Dichloroethene	U	0.00047	mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.0004	mg/L	SW846-8260
Dibromochloromethane	U	0.00043	mg/L	SW846-8260
Ethylbenzene	U	0.00044	mg/L	SW846-8260
Methylene chloride	U	0.00035	mg/L	SW846-8260
Styrene	U	0.0004	mg/L	SW846-8260
Tetrachloroethene	U	0.00035	mg/L	SW846-8260
Toluene	U	0.00044	mg/L	SW846-8260
Total Xylene	U	0.0013	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.00048	mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.00047	mg/L	SW846-8260
Trichloroethene		0.021	mg/L	SW846-8260
Vinyl chloride	U	0.0013	mg/L	SW846-8260

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Paducah-OREIS Data Report

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12/18/2007

MW185

1021003

WAG 22 (SWMUs 7 and 30) 1021003

M18501

Collected: 8/21/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum		0.33	mg/L			SW846-6010
Antimony	U	0.003	mg/L			SW846-7041
Arsenic		0.0055	mg/L			SW846-6010
Barium		0.13	mg/L			SW846-6010
Beryllium	U	0.0002	mg/L			SW846-6010
Cadmium	U	0.0003	mg/L			SW846-6010
Calcium		35	mg/L			SW846-6010
Chromium		0.27	mg/L			SW846-6010
Cobalt	U	0.005	mg/L			SW846-6010
Copper		0.011	mg/L			SW846-6010
Iron		5.4	mg/L			SW846-6010
Lead	U	0.0017	mg/L			SW846-6010
Magnesium		11	mg/L			SW846-6010
Manganese		0.033	mg/L			SW846-6010
Molybdenum	B	0.015	mg/L			SW846-6010
Nickel		0.24	mg/L			SW846-6010
Potassium		3	mg/L			SW846-6010
Selenium	U	0.0038	mg/L			SW846-6010
Silver	U	0.0045	mg/L			SW846-6010
Sodium		27	mg/L			SW846-6010
Thallium	U	0.0037	mg/L			SW846-6010
Tin	U	0.017	mg/L			SW846-6010
Uranium	B	0.016	mg/L			SW846-6010
Vanadium	B	0.0031	mg/L			SW846-6010
Zinc	U	0.0077	mg/L			SW846-6010
<b>RADS</b>						
Alpha activity		25	pCi/L	1.5		EPA-900
Alpha activity		10	pCi/L			RL-7119
Beta activity		560	pCi/L			RL-7119
Beta activity		320	pCi/L	3		EPA-900
Neptunium-237		0.04	pCi/L	0.06		EPA-907
Plutonium-239		-0.259	pCi/L	0.05		EPA-907
Technetium-99		748	pCi/L	13.3		DNT
Thorium-230		0.66	pCi/L	0.19		EPA-907
Uranium-234		0.52	pCi/L	0.19		EPA-907
Uranium-235/236		-0.328	pCi/L	0.06		EPA-907
Uranium-238		0.07	pCi/L	0.09		EPA-907
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.0002	mg/L			SW846-8260
1,3-Dichlorobenzene	U	0.00024	mg/L			SW846-8260
1,4-Dichlorobenzene	U	0.00022	mg/L			SW846-8260
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.00036	mg/L			SW846-8260
1,1,2,2-Tetrachloroethane	U	0.0012	mg/L			SW846-8260
1,1,2-Trichloro-1,2,2-trifluoroethane	J	0.0046	mg/L			SW846-8260
1,1,2-Trichloroethane	J	0.002	mg/L			SW846-8260
1,1-Dichloroethane	J	0.0041	mg/L			SW846-8260
1,1-Dichloroethene	J	0.0013	mg/L			SW846-8260
1,2-Dichloroethane	J	0.0011	mg/L			SW846-8260

**MW185****1021003****WAG 22 (SWMUs 7 and 30) 1021003**

1,2-Dichloropropane	U	0.00026	mg/L	SW846-8260
2-Butanone	U	0.0034	mg/L	SW846-8260
2-Hexanone	U	0.0011	mg/L	SW846-8260
4-Methyl-2-pentanone	U	0.0011	mg/L	SW846-8260
Acetone	U	0.0014	mg/L	SW846-8260
Benzene	U	0.00038	mg/L	SW846-8260
Bromodichloromethane	U	0.0005	mg/L	SW846-8260
Bromoform	U	0.00044	mg/L	SW846-8260
Bromomethane	U	0.00025	mg/L	SW846-8260
Carbon disulfide	U	0.00033	mg/L	SW846-8260
Carbon tetrachloride		0.013	mg/L	SW846-8260
Chlorobenzene	U	0.00049	mg/L	SW846-8260
Chloroethane	U	0.0014	mg/L	SW846-8260
Chloroform	J	0.0031	mg/L	SW846-8260
Chloromethane	U	0.00037	mg/L	SW846-8260
cis-1,2-Dichloroethene		0.065	mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.0004	mg/L	SW846-8260
Dibromochloromethane	U	0.00043	mg/L	SW846-8260
Ethylbenzene	U	0.00044	mg/L	SW846-8260
Methylene chloride	U	0.00035	mg/L	SW846-8260
Styrene	U	0.0004	mg/L	SW846-8260
Tetrachloroethene	J	0.0017	mg/L	SW846-8260
Toluene	U	0.00044	mg/L	SW846-8260
Total Xylene	U	0.0013	mg/L	SW846-8260
trans-1,2-Dichloroethene	J	0.0038	mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.00047	mg/L	SW846-8260
Trichloroethene		2	mg/L	SW846-8260
Vinyl chloride	U	0.0013	mg/L	SW846-8260

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# Paducah-OREIS Data Report

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**MW185**

**1021003**

**WAG 22 (SWMUs 7 and 30) 1021003**

**M18511**

Collected: 8/21/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum		0.36	mg/L			SW846-6010
Antimony	U	0.003	mg/L			SW846-7041
Arsenic		0.0056	mg/L			SW846-6010
Barium		0.14	mg/L			SW846-6010
Beryllium	U	0.0002	mg/L			SW846-6010
Cadmium	U	0.0003	mg/L			SW846-6010
Calcium		37	mg/L			SW846-6010
Chromium		0.51	mg/L			SW846-6010
Cobalt	U	0.005	mg/L			SW846-6010
Copper		0.025	mg/L			SW846-6010
Iron		9.1	mg/L			SW846-6010
Lead	U	0.0017	mg/L			SW846-6010
Magnesium		11	mg/L			SW846-6010
Manganese		0.045	mg/L			SW846-6010
Molybdenum	B	0.01	mg/L			SW846-6010
Nickel		0.34	mg/L			SW846-6010
Potassium		3.6	mg/L			SW846-6010
Selenium	U	0.0038	mg/L			SW846-6010
Silver	B	0.0057	mg/L			SW846-6010
Sodium		28	mg/L			SW846-6010
Thallium	U	0.0037	mg/L			SW846-6010
Tin	B	0.033	mg/L			SW846-6010
Uranium	U	0.0092	mg/L			SW846-6010
Vanadium	U	0.0017	mg/L			SW846-6010
Zinc	U	0.0077	mg/L			SW846-6010
<b>RADS</b>						
Alpha activity		25	pCi/L	1.5		EPA-900
Alpha activity		-30	pCi/L			RL-7119
Beta activity		610	pCi/L			RL-7119
Beta activity		350	pCi/L	3.1		EPA-900
Neptunium-237		0.04	pCi/L	0.05		EPA-907
Plutonium-239		-0.12	pCi/L	0.05		EPA-907
Technetium-99		691	pCi/L	12.9		DNT
Thorium-230		0.42	pCi/L	0.17		EPA-907
Uranium-234		0.26	pCi/L	0.12		EPA-907
Uranium-235/236		0.05	pCi/L	0.07		EPA-907
Uranium-238		0.01	pCi/L	0.1		EPA-907
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.0002	mg/L			SW846-8260
1,3-Dichlorobenzene	U	0.00024	mg/L			SW846-8260
1,4-Dichlorobenzene	U	0.00022	mg/L			SW846-8260
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.00036	mg/L			SW846-8260
1,1,2,2-Tetrachloroethane	U	0.0012	mg/L			SW846-8260
1,1,2-Trichloro-1,2,2-trifluoroethane	J	0.0057	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.00053	mg/L			SW846-8260
1,1-Dichloroethane	J	0.004	mg/L			SW846-8260
1,1-Dichloroethene	J	0.0012	mg/L			SW846-8260
1,2-Dichloroethane	U	0.00027	mg/L			SW846-8260



**MW185****1021003****WAG 22 (SWMUs 7 and 30) 1021003**

1,2-Dichloropropane	U	0.00026	mg/L	SW846-8260
2-Butanone	U	0.0034	mg/L	SW846-8260
2-Hexanone	U	0.0011	mg/L	SW846-8260
4-Methyl-2-pentanone	U	0.0011	mg/L	SW846-8260
Acetone	U	0.0014	mg/L	SW846-8260
Benzene	U	0.00038	mg/L	SW846-8260
Bromodichloromethane	U	0.0005	mg/L	SW846-8260
Bromoform	U	0.00044	mg/L	SW846-8260
Bromomethane	U	0.00025	mg/L	SW846-8260
Carbon disulfide	U	0.00033	mg/L	SW846-8260
Carbon tetrachloride		0.016	mg/L	SW846-8260
Chlorobenzene	U	0.00049	mg/L	SW846-8260
Chloroethane	U	0.0014	mg/L	SW846-8260
Chloroform	J	0.003	mg/L	SW846-8260
Chloromethane	U	0.00037	mg/L	SW846-8260
cis-1,2-Dichloroethene		0.068	mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.0004	mg/L	SW846-8260
Dibromochloromethane	U	0.00043	mg/L	SW846-8260
Ethylbenzene	U	0.00044	mg/L	SW846-8260
Methylene chloride	U	0.00035	mg/L	SW846-8260
Styrene	U	0.0004	mg/L	SW846-8260
Tetrachloroethene	J	0.0019	mg/L	SW846-8260
Toluene	U	0.00044	mg/L	SW846-8260
Total Xylene	U	0.0013	mg/L	SW846-8260
trans-1,2-Dichloroethene	J	0.0037	mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.00047	mg/L	SW846-8260
Trichloroethene		1.8	mg/L	SW846-8260
Vinyl chloride	U	0.0013	mg/L	SW846-8260

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# Paducah-OREIS Data Report

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**MW186**

**1021003**

**WAG 22 (SWMUs 7 and 30) 1021003**

**M18611**

Collected: 8/21/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Alkalinity		190	mg/L			EPA-310.2
Alkalinity as CO3	U	2.8	mg/L CaC			EPA-310.2
Alkalinity as HCO3		190	mg/L CaC			EPA-310.2
Chloride		470	mg/L			EPA-300
Cyanide	U	0.0024	mg/L			SW846-9012
Fluoride		2.4	mg/L			EPA-300
Nitrate/Nitrite		0.0099	mg/L			EPA-353.2
Sulfate		30	mg/L			EPA-300
<b>METAL</b>						
Aluminum		0.068	mg/L			SW846-6010
Antimony	U	0.003	mg/L			SW846-7041
Arsenic		0.17	mg/L			SW846-6010
Barium		0.44	mg/L			SW846-6010
Beryllium	B	0.0002	mg/L			SW846-6010
Cadmium	U	0.0003	mg/L			SW846-6010
Calcium		80	mg/L			SW846-6010
Chromium		0.015	mg/L			SW846-6010
Cobalt		0.0075	mg/L			SW846-6010
Copper	U	0.0087	mg/L			SW846-6010
Iron		1	mg/L			SW846-6010
Lead	U	0.0017	mg/L			SW846-6010
Magnesium		41	mg/L			SW846-6010
Manganese		0.5	mg/L			SW846-6010
Molybdenum	U	0.0044	mg/L			SW846-6010
Nickel		0.046	mg/L			SW846-6010
Potassium		1.2	mg/L			SW846-6010
Selenium	U	0.0038	mg/L			SW846-6010
Silver	U	0.0045	mg/L			SW846-6010
Sodium		240	mg/L			SW846-6010
Thallium	U	0.0037	mg/L			SW846-6010
Tin	U	0.017	mg/L			SW846-6010
Uranium	B	0.043	mg/L			SW846-6010
Vanadium	U	0.0017	mg/L			SW846-6010
Zinc	U	0.0077	mg/L			SW846-6010
<b>PPCB</b>						
4,4'-DDD	U	0.00019	mg/L			SW846-8270
4,4'-DDE	U	0.00022	mg/L			SW846-8270
4,4'-DDT	U	0.00011	mg/L			SW846-8270
Aldrin	U	0.00035	mg/L			SW846-8270
alpha-BHC	U	0.00021	mg/L			SW846-8270
beta-BHC	U	0.00054	mg/L			SW846-8270
delta-BHC	U	0.0022	mg/L			SW846-8270
Dieldrin	U	0.00028	mg/L			SW846-8270
Heptachlor	U	0.00025	mg/L			SW846-8270
Lindane	U	0.00024	mg/L			SW846-8270
Methoxychlor	U	0.00016	mg/L			SW846-8270
PCB-1016	U	0.00041	mg/L			SW846-8080
PCB-1221	U	0.00022	mg/L			SW846-8080
PCB-1232	U	0.00015	mg/L			SW846-8080

**MW186**

**1021003**

**WAG 22 (SWMUs 7 and 30) 1021003**

PCB-1242	U	0.00067	mg/L	SW846-8080
PCB-1248	U	0.00029	mg/L	SW846-8080
PCB-1254	U	1.6E-05	mg/L	SW846-8080
PCB-1260	U	2.5E-05	mg/L	SW846-8080

**RADS**

Alpha activity		-0.43	pCi/L	1.5	EPA-900
Alpha activity		-50	pCi/L		RL-7119
Beta activity		290	pCi/L		RL-7119
Beta activity		20	pCi/L	2.8	EPA-900
Neptunium-237		0.01	pCi/L	0.07	EPA-907
Plutonium-239		0	pCi/L	0.06	EPA-907
Technetium-99		68.4	pCi/L	7.82	DNT
Thorium-230		0.79	pCi/L	0.2	EPA-907
Uranium-234		0.36	pCi/L	0.16	EPA-907
Uranium-235/236		0.08	pCi/L	0.07	EPA-907
Uranium-238		0.12	pCi/L	0.11	EPA-907

**SVOA**

1,2,4,5-Tetrachlorobenzene	U	0.0043	mg/L	SW846-8270
1,2,4-Trichlorobenzene	U	0.0011	mg/L	SW846-8270
1,2-Dichlorobenzene	U	0.0002	mg/L	SW846-8260
1,2-Dichlorobenzene	U	0.00032	mg/L	SW846-8270
1,2-Diphenylhydrazine	U	0.0002	mg/L	SW846-8270
1,3-Dichlorobenzene	U	0.00036	mg/L	SW846-8270
1,3-Dichlorobenzene	U	0.00024	mg/L	SW846-8260
1,4-Dichlorobenzene	U	0.00022	mg/L	SW846-8260
1,4-Dichlorobenzene	U	0.00032	mg/L	SW846-8270
1-Chloronaphthalene	U	0.00022	mg/L	SW846-8270
1-Naphthalenamine	U	0.00026	mg/L	SW846-8270
2,3,4,6-Tetrachlorophenol	U	0.00044	mg/L	SW846-8270
2,4,5-Trichlorophenol	U	0.00019	mg/L	SW846-8270
2,4,6-Trichlorophenol	U	0.00017	mg/L	SW846-8270
2,4-Dichlorophenol	J	0.0004	mg/L	SW846-8270
2,4-Dimethylphenol	J	0.0044	mg/L	SW846-8270
2,4-Dinitrophenol	U	0.012	mg/L	SW846-8270
2,4-Dinitrotoluene	U	0.00007	mg/L	SW846-8270
2,6-Dichlorophenol	U	0.0005	mg/L	SW846-8270
2,6-Dinitrotoluene	U	0.00022	mg/L	SW846-8270
2-Chloronaphthalene	U	0.00012	mg/L	SW846-8270
2-Chlorophenol	U	0.00027	mg/L	SW846-8270
2-Methyl-4,6-dinitrophenol	U	0.0034	mg/L	SW846-8270
2-Methylnaphthalene	U	0.00029	mg/L	SW846-8270
2-Methylphenol	U	0.0002	mg/L	SW846-8270
2-Methylpyridine	U	0.0034	mg/L	SW846-8270
2-Naphthalenamine	U	0.00029	mg/L	SW846-8270
2-Nitrobenzenamine	U	0.00011	mg/L	SW846-8270
2-Nitrophenol	U	0.00024	mg/L	SW846-8270
3,3'-Dichlorobenzidine	U	0.004	mg/L	SW846-8270
3-Methylcholanthrene	U	0.00016	mg/L	SW846-8270
3-Nitrobenzenamine	U	0.00015	mg/L	SW846-8270
4-Aminobiphenyl	U	0.00055	mg/L	SW846-8270
4-Bromophenyl phenyl ether	U	0.00022	mg/L	SW846-8270
4-Chloro-3-methylphenol	U	0.00028	mg/L	SW846-8270
4-Chlorobenzenamine	U	0.00077	mg/L	SW846-8270
4-Chlorophenyl phenyl ether	U	0.00023	mg/L	SW846-8270
4-Methylphenol	J	0.00021	mg/L	SW846-8270

## MW186

## 1021003

## WAG 22 (SWMUs 7 and 30) 1021003

4-Nitrobenzenamine	U	0.0012	mg/L	SW846-8270
4-Nitrophenol	U	0.00039	mg/L	SW846-8270
7,12-Dimethylbenz(a)anthracene	U	0.0058	mg/L	SW846-8270
a,a-Dimethylphenethylamine	U	0.0041	mg/L	SW846-8270
Acenaphthene	U	0.00021	mg/L	SW846-8270
Acenaphthylene	U	0.00011	mg/L	SW846-8270
Acetophenone	U	0.00012	mg/L	SW846-8270
Aniline	U	0.00026	mg/L	SW846-8270
Anthracene	U	0.00024	mg/L	SW846-8270
Benz(a)anthracene	U	0.00019	mg/L	SW846-8270
Benzenemethanol	U	0.00029	mg/L	SW846-8270
Benzidine	U	0.038	mg/L	SW846-8270
Benzo(a)pyrene	U	0.00015	mg/L	SW846-8270
Benzo(b)fluoranthene	U	0.00016	mg/L	SW846-8270
Benzo(ghi)perylene	U	0.00032	mg/L	SW846-8270
Benzo(k)fluoranthene	U	0.00016	mg/L	SW846-8270
Benzoic acid	U	0.0066	mg/L	SW846-8270
Bis(2-chloroethoxy)methane	U	0.00025	mg/L	SW846-8270
Bis(2-chloroethyl) ether	U	0.00029	mg/L	SW846-8270
Bis(2-chloroisopropyl) ether	U	0.00035	mg/L	SW846-8270
Bis(2-ethylhexyl)phthalate	U	0.0003	mg/L	SW846-8270
Butyl benzyl phthalate	U	0.00064	mg/L	SW846-8270
Chrysene	U	0.00021	mg/L	SW846-8270
Dibenz(a,h)anthracene	U	0.00028	mg/L	SW846-8270
Dibenzofuran	U	0.00011	mg/L	SW846-8270
Diethyl phthalate	J	0.00085	mg/L	SW846-8270
Dimethyl phthalate	U	0.00009	mg/L	SW846-8270
Di-n-butyl phthalate	BJ	0.0006	mg/L	SW846-8270
Di-n-octylphthalate	U	0.00015	mg/L	SW846-8270
Ethyl methanesulfonate	U	0.0015	mg/L	SW846-8270
Fluoranthene	U	0.00023	mg/L	SW846-8270
Fluorene	U	0.00022	mg/L	SW846-8270
Hexachlorobenzene	U	0.00021	mg/L	SW846-8270
Hexachlorobutadiene	U	0.0003	mg/L	SW846-8270
Hexachlorocyclopentadiene	U	0.00017	mg/L	SW846-8270
Hexachloroethane	U	0.00035	mg/L	SW846-8270
Indeno(1,2,3-cd)pyrene	U	0.00022	mg/L	SW846-8270
Isophorone	J	0.0066	mg/L	SW846-8270
Methyl methanesulfonate	U	0.00024	mg/L	SW846-8270
Naphthalene	U	0.00029	mg/L	SW846-8270
Nitrobenzene	U	0.00036	mg/L	SW846-8270
N-Nitrosodimethylamine	U	0.00023	mg/L	SW846-8270
N-Nitroso-di-n-propylamine	U	0.00027	mg/L	SW846-8270
N-Nitrosodiphenylamine	U	0.00012	mg/L	SW846-8270
N-Nitrosopiperidine	U	0.0013	mg/L	SW846-8270
p-Dimethylaminoazobenzene	U	0.012	mg/L	SW846-8270
Pentachlorobenzene	U	0.002	mg/L	SW846-8270
Pentachloronitrobenzene	U	0.0047	mg/L	SW846-8270
Pentachlorophenol	U	0.00024	mg/L	SW846-8270
Phenacetin	U	0.00011	mg/L	SW846-8270
Phenanthrene	U	0.00021	mg/L	SW846-8270
Phenol	U	0.00062	mg/L	SW846-8270
Pronamide	U	0.0053	mg/L	SW846-8270
Pyrene	U	0.00025	mg/L	SW846-8270
Pyridine	U	0.00047	mg/L	SW846-8270

## MW186

## 1021003

## WAG 22 (SWMUs 7 and 30) 1021003

## VOA

1,1,1-Trichloroethane	U	0.00036	mg/L	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.0012	mg/L	SW846-8260
1,1,2-Trichloro-1,2,2-trifluoroethane	U	0.00036	mg/L	SW846-8260
1,1,2-Trichloroethane	U	0.00053	mg/L	SW846-8260
1,1-Dichloroethane		0.012	mg/L	SW846-8260
1,1-Dichloroethene	J	0.0029	mg/L	SW846-8260
1,2-Dichloroethane	U	0.00027	mg/L	SW846-8260
1,2-Dichloropropane	U	0.00026	mg/L	SW846-8260
2-Butanone	U	0.0034	mg/L	SW846-8260
2-Hexanone	U	0.0011	mg/L	SW846-8260
4-Methyl-2-pentanone	J	0.0019	mg/L	SW846-8260
Acetone	J	0.0052	mg/L	SW846-8260
Benzene		0.0078	mg/L	SW846-8260
Bromodichloromethane	U	0.0005	mg/L	SW846-8260
Bromoform	U	0.00044	mg/L	SW846-8260
Bromomethane	U	0.00025	mg/L	SW846-8260
Carbon disulfide	U	0.00033	mg/L	SW846-8260
Carbon tetrachloride	U	0.00035	mg/L	SW846-8260
Chlorobenzene	U	0.00049	mg/L	SW846-8260
Chloroethane	U	0.0014	mg/L	SW846-8260
Chloroform	U	0.00041	mg/L	SW846-8260
Chloromethane	U	0.00037	mg/L	SW846-8260
cis-1,2-Dichloroethene		1.2	mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.0004	mg/L	SW846-8260
Dibromochloromethane	U	0.00043	mg/L	SW846-8260
Ethylbenzene	J	0.00087	mg/L	SW846-8260
Methylene chloride	U	0.00035	mg/L	SW846-8260
Styrene	U	0.0004	mg/L	SW846-8260
Tetrachloroethene	U	0.00035	mg/L	SW846-8260
Toluene		0.018	mg/L	SW846-8260
Total Xylene		0.0072	mg/L	SW846-8260
trans-1,2-Dichloroethene		0.0051	mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.00047	mg/L	SW846-8260
Trichloroethene		0.34	mg/L	SW846-8260
Vinyl chloride		1.4	mg/L	SW846-8260

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MW187

1021003

WAG 22 (SWMUs 7 and 30) 1021003

M18711

Collected: 8/21/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Alkalinity		230	mg/L			EPA-310.2
Alkalinity as CO3	U	2.8	mg/L CaC			EPA-310.2
Alkalinity as HCO3		230	mg/L CaC			EPA-310.2
Chloride		140	mg/L			EPA-300
Cyanide	U	0.0024	mg/L			SW846-9012
Fluoride		1.4	mg/L			EPA-300
Nitrate/Nitrite		0.26	mg/L			EPA-353.2
Sulfate		11	mg/L			EPA-300
<b>METAL</b>						
Aluminum		0.5	mg/L			SW846-6010
Antimony	U	0.003	mg/L			SW846-7041
Arsenic		0.01	mg/L			SW846-6010
Barium		0.23	mg/L			SW846-6010
Beryllium	B	0.0003	mg/L			SW846-6010
Cadmium	U	0.0003	mg/L			SW846-6010
Calcium		40	mg/L			SW846-6010
Chromium		0.12	mg/L			SW846-6010
Cobalt	U	0.005	mg/L			SW846-6010
Copper	U	0.0087	mg/L			SW846-6010
Iron		2.9	mg/L			SW846-6010
Lead	B	0.0018	mg/L			SW846-6010
Magnesium		17	mg/L			SW846-6010
Manganese		0.052	mg/L			SW846-6010
Molybdenum	B	0.01	mg/L			SW846-6010
Nickel		0.59	mg/L			SW846-6010
Potassium		1.8	mg/L			SW846-6010
Selenium	U	0.0038	mg/L			SW846-6010
Silver	B	0.005	mg/L			SW846-6010
Sodium		130	mg/L			SW846-6010
Thallium	U	0.0037	mg/L			SW846-6010
Tin	U	0.017	mg/L			SW846-6010
Uranium	B	0.089	mg/L			SW846-6010
Vanadium	B	0.0018	mg/L			SW846-6010
Zinc	B	0.019	mg/L			SW846-6010
<b>PCCB</b>						
4,4'-DDD	U	0.00019	mg/L			SW846-8270
4,4'-DDE	U	0.00022	mg/L			SW846-8270
4,4'-DDT	U	0.00011	mg/L			SW846-8270
Aldrin	U	0.00035	mg/L			SW846-8270
alpha-BHC	U	0.00021	mg/L			SW846-8270
beta-BHC	U	0.00054	mg/L			SW846-8270
delta-BHC	U	0.0022	mg/L			SW846-8270
Dieldrin	U	0.00028	mg/L			SW846-8270
Heptachlor	U	0.00025	mg/L			SW846-8270
Lindane	U	0.00024	mg/L			SW846-8270
Methoxychlor	U	0.00016	mg/L			SW846-8270
PCB-1016	U	0.00041	mg/L			SW846-8080
PCB-1221	U	0.00022	mg/L			SW846-8080
PCB-1232	U	0.00015	mg/L			SW846-8080

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PCB-1242	U	0.00067	mg/L		SW846-8080
PCB-1248	U	0.00029	mg/L		SW846-8080
PCB-1254	U	1.6E-05	mg/L		SW846-8080
PCB-1260	U	2.5E-05	mg/L		SW846-8080

**RADS**

Alpha activity		-50	pCi/L		RL-7119
Alpha activity		-0.35	pCi/L	1	EPA-900
Beta activity		3	pCi/L	1.7	EPA-900
Beta activity		110	pCi/L		RL-7119
Neptunium-237		0.1	pCi/L	0.08	EPA-907
Plutonium-239		-0.231	pCi/L	0.05	EPA-907
Technetium-99		2.51	pCi/L	7.01	DNT
Thorium-230		0.41	pCi/L	0.16	EPA-907
Uranium-234		0.39	pCi/L	0.18	EPA-907
Uranium-235/236		0.02	pCi/L	0.06	EPA-907
Uranium-238		0.08	pCi/L	0.09	EPA-907

**SVOA**

1,2,4,5-Tetrachlorobenzene	U	0.0043	mg/L		SW846-8270
1,2,4-Trichlorobenzene	U	0.0011	mg/L		SW846-8270
1,2-Dichlorobenzene	U	0.0002	mg/L		SW846-8260
1,2-Dichlorobenzene	U	0.00032	mg/L		SW846-8270
1,2-Diphenylhydrazine	U	0.0002	mg/L		SW846-8270
1,3-Dichlorobenzene	U	0.00024	mg/L		SW846-8260
1,3-Dichlorobenzene	U	0.00036	mg/L		SW846-8270
1,4-Dichlorobenzene	U	0.00022	mg/L		SW846-8260
1,4-Dichlorobenzene	U	0.00032	mg/L		SW846-8270
1-Chloronaphthalene	U	0.00022	mg/L		SW846-8270
1-Naphthalenamine	U	0.00026	mg/L		SW846-8270
2,3,4,6-Tetrachlorophenol	U	0.00044	mg/L		SW846-8270
2,4,5-Trichlorophenol	U	0.00019	mg/L		SW846-8270
2,4,6-Trichlorophenol	U	0.00017	mg/L		SW846-8270
2,4-Dichlorophenol	U	0.00016	mg/L		SW846-8270
2,4-Dimethylphenol	U	0.00011	mg/L		SW846-8270
2,4-Dinitrophenol	U	0.012	mg/L		SW846-8270
2,4-Dinitrotoluene	U	0.00007	mg/L		SW846-8270
2,6-Dichlorophenol	U	0.0005	mg/L		SW846-8270
2,6-Dinitrotoluene	U	0.00022	mg/L		SW846-8270
2-Chloronaphthalene	U	0.00012	mg/L		SW846-8270
2-Chlorophenol	U	0.00027	mg/L		SW846-8270
2-Methyl-4,6-dinitrophenol	U	0.0034	mg/L		SW846-8270
2-Methylnaphthalene	U	0.00029	mg/L		SW846-8270
2-Methylphenol	U	0.0002	mg/L		SW846-8270
2-Methylpyridine	U	0.0034	mg/L		SW846-8270
2-Naphthalenamine	U	0.00029	mg/L		SW846-8270
2-Nitrobenzenamine	U	0.00011	mg/L		SW846-8270
2-Nitrophenol	U	0.00024	mg/L		SW846-8270
3,3'-Dichlorobenzidine	U	0.004	mg/L		SW846-8270
3-Methylcholanthrene	U	0.00016	mg/L		SW846-8270
3-Nitrobenzenamine	U	0.00015	mg/L		SW846-8270
4-Aminobiphenyl	U	0.00055	mg/L		SW846-8270
4-Bromophenyl phenyl ether	U	0.00022	mg/L		SW846-8270
4-Chloro-3-methylphenol	U	0.00028	mg/L		SW846-8270
4-Chlorobenzenamine	U	0.00077	mg/L		SW846-8270
4-Chlorophenyl phenyl ether	U	0.00023	mg/L		SW846-8270
4-Methylphenol	U	0.00018	mg/L		SW846-8270

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4-Nitrobenzenamine	U	0.0012	mg/L	SW846-8270
4-Nitrophenol	U	0.00039	mg/L	SW846-8270
7,12-Dimethylbenz(a)anthracene	U	0.0058	mg/L	SW846-8270
a,a-Dimethylphenethylamine	U	0.0041	mg/L	SW846-8270
Acenaphthene	U	0.00021	mg/L	SW846-8270
Acenaphthylene	U	0.00011	mg/L	SW846-8270
Acetophenone	U	0.00012	mg/L	SW846-8270
Aniline	U	0.00026	mg/L	SW846-8270
Anthracene	U	0.00024	mg/L	SW846-8270
Benz(a)anthracene	U	0.00019	mg/L	SW846-8270
Benzenemethanol	U	0.00029	mg/L	SW846-8270
Benzidine	U	0.038	mg/L	SW846-8270
Benzo(a)pyrene	U	0.00015	mg/L	SW846-8270
Benzo(b)fluoranthene	U	0.00016	mg/L	SW846-8270
Benzo(ghi)perylene	U	0.00032	mg/L	SW846-8270
Benzo(k)fluoranthene	U	0.00016	mg/L	SW846-8270
Benzoic acid	U	0.0066	mg/L	SW846-8270
Bis(2-chloroethoxy)methane	U	0.00025	mg/L	SW846-8270
Bis(2-chloroethyl) ether	U	0.00029	mg/L	SW846-8270
Bis(2-chloroisopropyl) ether	U	0.00035	mg/L	SW846-8270
Bis(2-ethylhexyl)phthalate	U	0.0003	mg/L	SW846-8270
Butyl benzyl phthalate	U	0.00064	mg/L	SW846-8270
Chrysene	U	0.00021	mg/L	SW846-8270
Dibenz(a,h)anthracene	U	0.00028	mg/L	SW846-8270
Dibenzofuran	U	0.00011	mg/L	SW846-8270
Diethyl phthalate	U	0.00023	mg/L	SW846-8270
Dimethyl phthalate	U	0.00009	mg/L	SW846-8270
Di-n-butyl phthalate	BJ	0.00044	mg/L	SW846-8270
Di-n-octylphthalate	U	0.00015	mg/L	SW846-8270
Ethyl methanesulfonate	U	0.0015	mg/L	SW846-8270
Fluoranthene	U	0.00023	mg/L	SW846-8270
Fluorene	U	0.00022	mg/L	SW846-8270
Hexachlorobenzene	U	0.00021	mg/L	SW846-8270
Hexachlorobutadiene	U	0.0003	mg/L	SW846-8270
Hexachlorocyclopentadiene	U	0.00017	mg/L	SW846-8270
Hexachloroethane	U	0.00035	mg/L	SW846-8270
Indeno(1,2,3-cd)pyrene	U	0.00022	mg/L	SW846-8270
Isophorone	U	0.00022	mg/L	SW846-8270
Methyl methanesulfonate	U	0.00024	mg/L	SW846-8270
Naphthalene	U	0.00029	mg/L	SW846-8270
Nitrobenzene	U	0.00036	mg/L	SW846-8270
N-Nitrosodimethylamine	U	0.00023	mg/L	SW846-8270
N-Nitroso-di-n-propylamine	U	0.00027	mg/L	SW846-8270
N-Nitrosodiphenylamine	U	0.00012	mg/L	SW846-8270
N-Nitrosopiperidine	U	0.0013	mg/L	SW846-8270
p-Dimethylaminoazobenzene	U	0.012	mg/L	SW846-8270
Pentachlorobenzene	U	0.002	mg/L	SW846-8270
Pentachloronitrobenzene	U	0.0047	mg/L	SW846-8270
Pentachlorophenol	U	0.00024	mg/L	SW846-8270
Phenacetin	U	0.00011	mg/L	SW846-8270
Phenanthrene	U	0.00021	mg/L	SW846-8270
Phenol	U	0.00062	mg/L	SW846-8270
Pronamide	U	0.0053	mg/L	SW846-8270
Pyrene	U	0.00025	mg/L	SW846-8270
Pyridine	U	0.00047	mg/L	SW846-8270



## MW187

## 1021003

## WAG 22 (SWMUs 7 and 30) 1021003

## VOA

1,1,1-Trichloroethane	U	0.00036	mg/L	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.0012	mg/L	SW846-8260
1,1,2-Trichloro-1,2,2-trifluoroethane	U	0.00036	mg/L	SW846-8260
1,1,2-Trichloroethane	U	0.00053	mg/L	SW846-8260
1,1-Dichloroethane	J	0.0011	mg/L	SW846-8260
1,1-Dichloroethene	J	0.0022	mg/L	SW846-8260
1,2-Dichloroethane	U	0.00027	mg/L	SW846-8260
1,2-Dichloropropane	U	0.00026	mg/L	SW846-8260
2-Butanone	U	0.0034	mg/L	SW846-8260
2-Hexanone	U	0.0011	mg/L	SW846-8260
4-Methyl-2-pentanone	U	0.0011	mg/L	SW846-8260
Acetone	U	0.0014	mg/L	SW846-8260
Benzene	U	0.00038	mg/L	SW846-8260
Bromodichloromethane	U	0.0005	mg/L	SW846-8260
Bromoform	U	0.00044	mg/L	SW846-8260
Bromomethane	U	0.00025	mg/L	SW846-8260
Carbon disulfide	U	0.00033	mg/L	SW846-8260
Carbon tetrachloride	U	0.00035	mg/L	SW846-8260
Chlorobenzene	U	0.00049	mg/L	SW846-8260
Chloroethane	U	0.0014	mg/L	SW846-8260
Chloroform	U	0.00041	mg/L	SW846-8260
Chloromethane	U	0.00037	mg/L	SW846-8260
cis-1,2-Dichloroethene		0.036	mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.0004	mg/L	SW846-8260
Dibromochloromethane	U	0.00043	mg/L	SW846-8260
Ethylbenzene	U	0.00044	mg/L	SW846-8260
Methylene chloride	U	0.00035	mg/L	SW846-8260
Styrene	U	0.0004	mg/L	SW846-8260
Tetrachloroethene	U	0.00035	mg/L	SW846-8260
Toluene	U	0.00044	mg/L	SW846-8260
Total Xylene	U	0.0013	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.00048	mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.00047	mg/L	SW846-8260
Trichloroethene	D	0.36	mg/L	SW846-8260
Vinyl chloride	U	0.0013	mg/L	SW846-8260

**MW339**

**1021003**

**WAG 22 (SWMUs 7 and 30) 1021003**

**M33911**

Collected: 10/4/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Alkalinity		100	mg/L			EPA-310.2
Alkalinity as CO3	U	2.8	mg/L CaC			EPA-310.2
Alkalinity as HCO3		100	mg/L CaC			EPA-310.2
Chloride		64	mg/L			EPA-300
Fluoride		0.71	mg/L			EPA-300
Nitrate/Nitrite		9.4	mg/L			EPA-353.2
Sulfate		16	mg/L			EPA-300
<b>Field P</b>						
pH		6.08	Std Unit			
pH		6.08	Std Unit			
Specific Conductivity (PIP)		0.48	umho/cm			
Specific Conductivity (PIP)		0.48	umho/cm			
Temperature		50.44	deg F			
Temperature		60.48	deg F			
<b>METAL</b>						
Beryllium		0.0006	mg/L			SW846-6010
Calcium		43	mg/L			SW846-6010
Iron		24	mg/L			SW846-6010
Magnesium		17	mg/L			SW846-6010
Manganese		1.9	mg/L			SW846-6010
Potassium		3.2	mg/L			SW846-6010
Sodium		36	mg/L			SW846-6010
Uranium	U	0.0092	mg/L			SW846-6010
Vanadium		0.018	mg/L			SW846-6010
<b>RADS</b>						
Alpha activity	U	270	pCi/L			RL-7119
Americium-241		0.12	pCi/L	0.1		EPA-907
Beta activity		2750	pCi/L			RL-7119
Cesium-137	U	-1.8	pCi/L	3.1		EPA-907
Neptunium-237		-0.342	pCi/L	0.06		EPA-907
Plutonium-239		0.13	pCi/L	0.1		EPA-907
Protactinium-234	U	-9.5	pCi/L	34		EPA-907
Technetium-99		3100	pCi/L	24		DNT
Thorium-230		0.76	pCi/L	0.2		EPA-907
Uranium-234		0.48	pCi/L	0.15		EPA-907
Uranium-235/236		0.01	pCi/L	0.06		EPA-907
Uranium-238		0.08	pCi/L	0.08		EPA-907
<b>VOA</b>						
cis-1,2-Dichloroethene		0.036	mg/L			SW846-8260
trans-1,2-Dichloroethene	U	0.00048	mg/L			SW846-8260
Trichloroethene		19	mg/L			SW846-8260
Vinyl chloride	U	0.0013	mg/L			SW846-8260

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MW340

1021003

WAG 22 (SWMUs 7 and 30) 1021003

M34011

Collected: 10/3/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Alkalinity		94	mg/L			EPA-310.2
Alkalinity as CO3	U	2.8	mg/L CaC			EPA-310.2
Alkalinity as HCO3		94	mg/L CaC			EPA-310.2
Chloride		66	mg/L			EPA-300
Fluoride		0.67	mg/L			EPA-300
Nitrate/Nitrite		1.3	mg/L			EPA-353.2
Sulfate		15	mg/L			EPA-300
<b>Field P</b>						
pH		7.8	Std Unit			
pH		7.8	Std Unit			
Specific Conductivity (PIP)		0.416	umho/cm			
Specific Conductivity (PIP)		0.416	umho/cm			
Temperature		59.22	deg F			
Temperature		59.18	deg F			
<b>METAL</b>						
Beryllium		0.0003	mg/L			SW846-6010
Calcium		32	mg/L			SW846-6010
Iron		11	mg/L			SW846-6010
Magnesium		14	mg/L			SW846-6010
Manganese		0.22	mg/L			SW846-6010
Potassium		1.9	mg/L			SW846-6010
Sodium		36	mg/L			SW846-6010
Vanadium		0.014	mg/L			SW846-6010
<b>RADS</b>						
Alpha activity	U	290	pCi/L			RL-7119
Americium-241		0.41	pCi/L	0.17		EPA-907
Beta activity	U	330	pCi/L			RL-7119
Cesium-137	U	-2.7	pCi/L	3.4		EPA-907
Neptunium-237		-0.127	pCi/L	0.07		EPA-907
Plutonium-239		0.08	pCi/L	0.07		EPA-907
Protactinium-234	U	-20	pCi/L	44		EPA-907
Technetium-99		580	pCi/L	13		DNT
Thorium-230		0.34	pCi/L	0.13		EPA-907
Uranium-234		0.45	pCi/L	0.18		EPA-907
Uranium-235/236		0.03	pCi/L	0.07		EPA-907
Uranium-238		0.18	pCi/L	0.11		EPA-907
<b>VOA</b>						
cis-1,2-Dichloroethene		0.013	mg/L			SW846-8260
trans-1,2-Dichloroethene	J	0.00049	mg/L			SW846-8260
Trichloroethene		1.1	mg/L			SW846-8260
Vinyl chloride	U	0.0013	mg/L			SW846-8260

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MW63

1021003

WAG 22 (SWMUs 7 and 30) 1021003

M06311

Collected: 8/21/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum		0.32	mg/L			SW846-6010
Antimony	U	0.003	mg/L			SW846-7041
Arsenic	U	0.0026	mg/L			SW846-6010
Barium		0.086	mg/L			SW846-6010
Beryllium		0.0003	mg/L			SW846-6010
Cadmium	U	0.0003	mg/L			SW846-6010
Calcium		22	mg/L			SW846-6010
Chromium		0.5	mg/L			SW846-6010
Cobalt		0.0061	mg/L			SW846-6010
Copper		0.013	mg/L			SW846-6010
Iron		3	mg/L			SW846-6010
Lead		0.0065	mg/L			SW846-6010
Magnesium		6.4	mg/L			SW846-6010
Manganese		0.041	mg/L			SW846-6010
Molybdenum		0.025	mg/L			SW846-6010
Nickel		0.47	mg/L			SW846-6010
Potassium		1.9	mg/L			SW846-6010
Selenium	U	0.0038	mg/L			SW846-6010
Silver	U	0.0045	mg/L			SW846-6010
Sodium		16	mg/L			SW846-6010
Thallium	U	0.0037	mg/L			SW846-6010
Tin	U	0.017	mg/L			SW846-6010
Uranium	B	0.19	mg/L			SW846-6010
Vanadium	B	0.005	mg/L			SW846-6010
Zinc	U	0.0077	mg/L			SW846-6010
<b>RADS</b>						
Alpha activity		-90	pCi/L			RL-7119
Alpha activity		0.07	pCi/L	0.31		EPA-900
Beta activity		130	pCi/L			RL-7119
Beta activity		-2.5	pCi/L	0.67		EPA-900
Neptunium-237		0.07	pCi/L	0.07		EPA-907
Plutonium-239		-0.126	pCi/L	0.04		EPA-907
Technetium-99		-2.83	pCi/L	6.92		DNT
Thorium-230		0.79	pCi/L	0.22		EPA-907
Uranium-234		0.23	pCi/L	0.15		EPA-907
Uranium-235/236		0	pCi/L	0.06		EPA-907
Uranium-238		0	pCi/L	0.05		EPA-907
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.0002	mg/L			SW846-8260
1,3-Dichlorobenzene	U	0.00024	mg/L			SW846-8260
1,4-Dichlorobenzene	U	0.00022	mg/L			SW846-8260
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.00036	mg/L			SW846-8260
1,1,2,2-Tetrachloroethane	U	0.0012	mg/L			SW846-8260
1,1,2-Trichloro-1,2,2-trifluoroethane	U	0.00036	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.00053	mg/L			SW846-8260
1,1-Dichloroethane	U	0.00037	mg/L			SW846-8260
1,1-Dichloroethene	U	0.00044	mg/L			SW846-8260
1,2-Dichloroethane	U	0.00027	mg/L			SW846-8260

**MW63****1021003****WAG 22 (SWMUs 7 and 30) 1021003**

1,2-Dichloropropane	U	0.00026	mg/L	SW846-8260
2-Butanone	U	0.0034	mg/L	SW846-8260
2-Hexanone	U	0.0011	mg/L	SW846-8260
4-Methyl-2-pentanone	U	0.0011	mg/L	SW846-8260
Acetone	J	0.0054	mg/L	SW846-8260
Benzene	U	0.00038	mg/L	SW846-8260
Bromodichloromethane	U	0.0005	mg/L	SW846-8260
Bromoform	U	0.00044	mg/L	SW846-8260
Bromomethane	U	0.00025	mg/L	SW846-8260
Carbon disulfide	U	0.00033	mg/L	SW846-8260
Carbon tetrachloride	U	0.00035	mg/L	SW846-8260
Chlorobenzene	U	0.00049	mg/L	SW846-8260
Chloroethane	U	0.0014	mg/L	SW846-8260
Chloroform	U	0.00041	mg/L	SW846-8260
Chloromethane	U	0.00037	mg/L	SW846-8260
cis-1,2-Dichloroethene	U	0.00047	mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.0004	mg/L	SW846-8260
Dibromochloromethane	U	0.00043	mg/L	SW846-8260
Ethylbenzene	U	0.00044	mg/L	SW846-8260
Methylene chloride	U	0.00035	mg/L	SW846-8260
Styrene	U	0.0004	mg/L	SW846-8260
Tetrachloroethene	U	0.00035	mg/L	SW846-8260
Toluene	U	0.00044	mg/L	SW846-8260
Total Xylene	U	0.0013	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.00048	mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.00047	mg/L	SW846-8260
Trichloroethene	U	0.00039	mg/L	SW846-8260
Vinyl chloride	U	0.0013	mg/L	SW846-8260

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# Paducah-OREIS Data Report

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**MW64**

**1021003**

**WAG 22 (SWMUs 7 and 30) 1021003**

**M06401**

Collected: 10/2/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Alkalinity		220	mg/L			EPA-310.2
Alkalinity as CO3	U	2.8	mg/L CaC			EPA-310.2
Alkalinity as HCO3		220	mg/L CaC			EPA-310.2
Chloride		17	mg/L			EPA-300
Cyanide	U	0.0024	mg/L			SW846-9012
Fluoride		0.68	mg/L			EPA-300
Nitrate/Nitrite		2.1	mg/L			EPA-353.2
Sulfate		13	mg/L			EPA-300
Total Organic Carbon (TOC)		0.794	mg/L			SW846-9060
<b>Field P</b>						
pH		7.16	Std Unit			
pH		7.16	Std Unit			
Specific Conductivity (PIP)		0.462	umho/cm			
Specific Conductivity (PIP)		0.462	umho/cm			
Temperature		67.64	deg F			
Temperature		67.68	deg F			
<b>METAL</b>						
Aluminum		0.26	mg/L			SW846-6010
Antimony	U	0.0024	mg/L			SW846-7041
Arsenic	U	0.0026	mg/L			SW846-6010
Barium		0.27	mg/L			SW846-6010
Beryllium	U	0.0002	mg/L			SW846-6010
Cadmium	U	0.0003	mg/L			SW846-6010
Calcium		40	mg/L			SW846-6010
Chromium		0.068	mg/L			SW846-6010
Cobalt	U	0.005	mg/L			SW846-6010
Copper		0.019	mg/L			SW846-6010
Iron		0.74	mg/L			SW846-6010
Lead	U	0.0017	mg/L			SW846-6010
Magnesium		13	mg/L			SW846-6010
Manganese		0.017	mg/L			SW846-6010
Molybdenum	U	0.0044	mg/L			SW846-6010
Nickel		0.083	mg/L			SW846-6010
Potassium		1.6	mg/L			SW846-6010
Selenium		0.0087	mg/L			SW846-6010
Silver	U	0.0045	mg/L			SW846-6010
Sodium		55	mg/L			SW846-6010
Thallium	B	0.0073	mg/L			SW846-6010
Tin	B	0.026	mg/L			SW846-6010
Uranium	B	0.11	mg/L			SW846-6010
Vanadium	B	0.0023	mg/L			SW846-6010
Zinc	B	0.014	mg/L			SW846-6010
<b>PPCB</b>						
4,4'-DDD	U	0.00019	mg/L			SW846-8270
4,4'-DDE	U	0.00022	mg/L			SW846-8270
4,4'-DDT	U	0.00011	mg/L			SW846-8270
Aldrin	U	0.00035	mg/L			SW846-8270
alpha-BHC	U	0.00021	mg/L			SW846-8270
beta-BHC	U	0.00054	mg/L			SW846-8270

**MW64****1021003****WAG 22 (SWMUs 7 and 30) 1021003**

delta-BHC	U	0.0022	mg/L	SW846-8270
Dieldrin	U	0.00028	mg/L	SW846-8270
Heptachlor	U	0.00025	mg/L	SW846-8270
Lindane	U	0.00024	mg/L	SW846-8270
Methoxychlor	U	0.00016	mg/L	SW846-8270
PCB-1016	U	0.00041	mg/L	SW846-8080
PCB-1221	U	0.00022	mg/L	SW846-8080
PCB-1232	U	0.00015	mg/L	SW846-8080
PCB-1242	U	0.00067	mg/L	SW846-8080
PCB-1248	U	0.00029	mg/L	SW846-8080
PCB-1254	U	1.6E-05	mg/L	SW846-8080
PCB-1260	U	2.5E-05	mg/L	SW846-8080

**RADS**

Alpha activity	U	460	pCi/L	RL-7119
Alpha activity		-0.67	pCi/L	0.77 EPA-900
Beta activity	U	320	pCi/L	RL-7119
Beta activity		3.1	pCi/L	1 EPA-900
Neptunium-237		-0.397	pCi/L	0.09 EPA-907
Plutonium-239		0.76	pCi/L	0.21 EPA-907
Technetium-99		-0.59	pCi/L	8.1 DNT
Thorium-230		0.44	pCi/L	0.15 EPA-907
Uranium-234		0.58	pCi/L	0.18 EPA-907
Uranium-235/236		0.02	pCi/L	0.08 EPA-907
Uranium-238		0.44	pCi/L	0.16 EPA-907

**SVOA**

1,2,4,5-Tetrachlorobenzene	U	0.0043	mg/L	SW846-8270
1,2,4-Trichlorobenzene	U	0.0011	mg/L	SW846-8270
1,2-Dichlorobenzene	U	0.00032	mg/L	SW846-8270
1,2-Dichlorobenzene	U	0.0002	mg/L	SW846-8260
1,2-Diphenylhydrazine	U	0.0002	mg/L	SW846-8270
1,3-Dichlorobenzene	U	0.00036	mg/L	SW846-8270
1,3-Dichlorobenzene	U	0.00024	mg/L	SW846-8260
1,4-Dichlorobenzene	U	0.00032	mg/L	SW846-8270
1,4-Dichlorobenzene	U	0.00022	mg/L	SW846-8260
1-Chloronaphthalene	U	0.00022	mg/L	SW846-8270
1-Naphthalenamine	U	0.00026	mg/L	SW846-8270
2,3,4,6-Tetrachlorophenol	U	0.00044	mg/L	SW846-8270
2,4,5-Trichlorophenol	U	0.00019	mg/L	SW846-8270
2,4,6-Trichlorophenol	U	0.00017	mg/L	SW846-8270
2,4-Dichlorophenol	U	0.00016	mg/L	SW846-8270
2,4-Dimethylphenol	U	0.00011	mg/L	SW846-8270
2,4-Dinitrophenol	U	0.012	mg/L	SW846-8270
2,4-Dinitrotoluene	U	0.00007	mg/L	SW846-8270
2,6-Dichlorophenol	U	0.0005	mg/L	SW846-8270
2,6-Dinitrotoluene	U	0.00022	mg/L	SW846-8270
2-Chloronaphthalene	U	0.00012	mg/L	SW846-8270
2-Chlorophenol	U	0.00027	mg/L	SW846-8270
2-Methyl-4,6-dinitrophenol	U	0.0034	mg/L	SW846-8270
2-Methylnaphthalene	U	0.00029	mg/L	SW846-8270
2-Methylphenol	U	0.0002	mg/L	SW846-8270
2-Methylpyridine	U	0.0034	mg/L	SW846-8270
2-Naphthalenamine	U	0.00029	mg/L	SW846-8270
2-Nitrobenzenamine	U	0.00011	mg/L	SW846-8270
2-Nitrophenol	U	0.00024	mg/L	SW846-8270
3,3'-Dichlorobenzidine	U	0.004	mg/L	SW846-8270

## MW64

## 1021003

## WAG 22 (SWMUs 7 and 30) 1021003

3-Methylcholanthrene	U	0.00016	mg/L	SW846-8270
3-Nitrobenzenamine	U	0.00015	mg/L	SW846-8270
4-Aminobiphenyl	U	0.00055	mg/L	SW846-8270
4-Bromophenyl phenyl ether	U	0.00022	mg/L	SW846-8270
4-Chloro-3-methylphenol	U	0.00028	mg/L	SW846-8270
4-Chlorobenzenamine	U	0.00077	mg/L	SW846-8270
4-Chlorophenyl phenyl ether	U	0.00023	mg/L	SW846-8270
4-Methylphenol	U	0.00018	mg/L	SW846-8270
4-Nitrobenzenamine	U	0.0012	mg/L	SW846-8270
4-Nitrophenol	U	0.00039	mg/L	SW846-8270
7,12-Dimethylbenz(a)anthracene	U	0.0058	mg/L	SW846-8270
a,a-Dimethylphenethylamine	U	0.0041	mg/L	SW846-8270
Acenaphthene	U	0.00021	mg/L	SW846-8270
Acenaphthylene	U	0.00011	mg/L	SW846-8270
Acetophenone	U	0.00012	mg/L	SW846-8270
Aniline	U	0.00026	mg/L	SW846-8270
Anthracene	U	0.00024	mg/L	SW846-8270
Benz(a)anthracene	U	0.00019	mg/L	SW846-8270
Benzenemethanol	U	0.00029	mg/L	SW846-8270
Benzidine	U	0.038	mg/L	SW846-8270
Benzo(a)pyrene	U	0.00015	mg/L	SW846-8270
Benzo(b)fluoranthene	U	0.00016	mg/L	SW846-8270
Benzo(ghi)perylene	U	0.00032	mg/L	SW846-8270
Benzo(k)fluoranthene	U	0.00016	mg/L	SW846-8270
Benzoic acid	U	0.0066	mg/L	SW846-8270
Bis(2-chloroethoxy)methane	U	0.00025	mg/L	SW846-8270
Bis(2-chloroethyl) ether	U	0.00029	mg/L	SW846-8270
Bis(2-chloroisopropyl) ether	U	0.00035	mg/L	SW846-8270
Bis(2-ethylhexyl)phthalate	U	0.0003	mg/L	SW846-8270
Butyl benzyl phthalate	U	0.00064	mg/L	SW846-8270
Chrysene	U	0.00021	mg/L	SW846-8270
Dibenz(a,h)anthracene	U	0.00028	mg/L	SW846-8270
Dibenzofuran	U	0.00011	mg/L	SW846-8270
Diethyl phthalate	U	0.00023	mg/L	SW846-8270
Dimethyl phthalate	U	0.00009	mg/L	SW846-8270
Di-n-butyl phthalate	BJ	0.00098	mg/L	SW846-8270
Di-n-octylphthalate	U	0.00015	mg/L	SW846-8270
Ethyl methanesulfonate	U	0.0015	mg/L	SW846-8270
Fluoranthene	U	0.00023	mg/L	SW846-8270
Fluorene	U	0.00022	mg/L	SW846-8270
Hexachlorobenzene	U	0.00021	mg/L	SW846-8270
Hexachlorobutadiene	U	0.0003	mg/L	SW846-8270
Hexachlorocyclopentadiene	U	0.00017	mg/L	SW846-8270
Hexachloroethane	U	0.00035	mg/L	SW846-8270
Indeno(1,2,3-cd)pyrene	U	0.00022	mg/L	SW846-8270
Isophorone	U	0.00022	mg/L	SW846-8270
Methyl methanesulfonate	U	0.00024	mg/L	SW846-8270
Naphthalene	U	0.00029	mg/L	SW846-8270
Nitrobenzene	U	0.00036	mg/L	SW846-8270
N-Nitrosodimethylamine	U	0.00023	mg/L	SW846-8270
N-Nitroso-di-n-propylamine	U	0.00027	mg/L	SW846-8270
N-Nitrosodiphenylamine	U	0.00012	mg/L	SW846-8270
N-Nitrosopiperidine	U	0.0013	mg/L	SW846-8270
p-Dimethylaminoazobenzene	U	0.012	mg/L	SW846-8270
Pentachlorobenzene	U	0.002	mg/L	SW846-8270



**MW64****1021003****WAG 22 (SWMUs 7 and 30) 1021003**

Pentachloronitrobenzene	U	0.0047	mg/L	SW846-8270
Pentachlorophenol	U	0.00024	mg/L	SW846-8270
Phenacetin	U	0.00011	mg/L	SW846-8270
Phenanthrene	U	0.00021	mg/L	SW846-8270
Phenol	U	0.00062	mg/L	SW846-8270
Pronamide	U	0.0053	mg/L	SW846-8270
Pyrene	U	0.00025	mg/L	SW846-8270
Pyridine	U	0.00047	mg/L	SW846-8270
<b>VOA</b>				
1,1,1-Trichloroethane	U	0.00036	mg/L	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.0012	mg/L	SW846-8260
1,1,2-Trichloro-1,2,2-trifluoroethane	U	0.00036	mg/L	SW846-8260
1,1,2-Trichloroethane	U	0.00053	mg/L	SW846-8260
1,1-Dichloroethane	U	0.00037	mg/L	SW846-8260
1,1-Dichloroethene	U	0.00044	mg/L	SW846-8260
1,2-Dichloroethane	U	0.00027	mg/L	SW846-8260
1,2-Dichloropropane	U	0.00026	mg/L	SW846-8260
2-Butanone	U	0.0034	mg/L	SW846-8260
2-Hexanone	U	0.0011	mg/L	SW846-8260
4-Methyl-2-pentanone	U	0.0011	mg/L	SW846-8260
Acetone	U	0.0014	mg/L	SW846-8260
Benzene	U	0.00038	mg/L	SW846-8260
Bromodichloromethane	U	0.0005	mg/L	SW846-8260
Bromoform	U	0.00044	mg/L	SW846-8260
Bromomethane	U	0.00025	mg/L	SW846-8260
Carbon disulfide	U	0.00033	mg/L	SW846-8260
Carbon tetrachloride	U	0.00035	mg/L	SW846-8260
Chlorobenzene	U	0.00049	mg/L	SW846-8260
Chloroethane	U	0.0014	mg/L	SW846-8260
Chloroform	U	0.00041	mg/L	SW846-8260
Chloromethane	U	0.00037	mg/L	SW846-8260
cis-1,2-Dichloroethene	J	0.00067	mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.0004	mg/L	SW846-8260
Dibromochloromethane	U	0.00043	mg/L	SW846-8260
Ethylbenzene	U	0.00044	mg/L	SW846-8260
Methylene chloride	U	0.00035	mg/L	SW846-8260
Styrene	U	0.0004	mg/L	SW846-8260
Tetrachloroethene	U	0.00035	mg/L	SW846-8260
Toluene	U	0.00044	mg/L	SW846-8260
Total Xylene	U	0.0013	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.00048	mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.00047	mg/L	SW846-8260
Trichloroethene	D	0.45	mg/L	SW846-8260
Vinyl chloride	U	0.0013	mg/L	SW846-8260

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MW65

1021003

WAG 22 (SWMUs 7 and 30) 1021003

M06511

Collected: 8/21/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	U	0.015	mg/L			SW846-6010
Antimony	U	0.003	mg/L			SW846-7041
Arsenic	U	0.0026	mg/L			SW846-6010
Barium		0.051	mg/L			SW846-6010
Beryllium		0.0003	mg/L			SW846-6010
Cadmium	U	0.0003	mg/L			SW846-6010
Calcium		15	mg/L			SW846-6010
Chromium	B	0.0025	mg/L			SW846-6010
Cobalt	U	0.005	mg/L			SW846-6010
Copper	U	0.0087	mg/L			SW846-6010
Iron		0.22	mg/L			SW846-6010
Lead	U	0.0017	mg/L			SW846-6010
Magnesium		6.2	mg/L			SW846-6010
Manganese		0.0042	mg/L			SW846-6010
Molybdenum	B	0.015	mg/L			SW846-6010
Nickel	B	0.014	mg/L			SW846-6010
Potassium		1.2	mg/L			SW846-6010
Selenium	U	0.0038	mg/L			SW846-6010
Silver	U	0.0045	mg/L			SW846-6010
Sodium		13	mg/L			SW846-6010
Thallium	U	0.0037	mg/L			SW846-6010
Tin	B	0.018	mg/L			SW846-6010
Uranium	U	0.0092	mg/L			SW846-6010
Vanadium	U	0.0017	mg/L			SW846-6010
Zinc	U	0.0077	mg/L			SW846-6010
<b>RADS</b>						
Alpha activity		-80	pCi/L			RL-7119
Alpha activity		-0.4	pCi/L	0.36		EPA-900
Beta activity		70	pCi/L			RL-7119
Beta activity		2.2	pCi/L	0.55		EPA-900
Neptunium-237		-0.395	pCi/L	0.08		EPA-907
Plutonium-239		0.03	pCi/L	0.04		EPA-907
Technetium-99		3.58	pCi/L	6.99		DNT
Thorium-230		0.47	pCi/L	0.2		EPA-907
Uranium-234		0.17	pCi/L	0.11		EPA-907
Uranium-235/236		0	pCi/L	0.07		EPA-907
Uranium-238		0.04	pCi/L	0.07		EPA-907
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.0002	mg/L			SW846-8260
1,3-Dichlorobenzene	U	0.00024	mg/L			SW846-8260
1,4-Dichlorobenzene	U	0.00022	mg/L			SW846-8260
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.00036	mg/L			SW846-8260
1,1,2,2-Tetrachloroethane	U	0.0012	mg/L			SW846-8260
1,1,2-Trichloro-1,2,2-trifluoroethane	U	0.00036	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.00053	mg/L			SW846-8260
1,1-Dichloroethane	U	0.00037	mg/L			SW846-8260
1,1-Dichloroethene	U	0.00044	mg/L			SW846-8260
1,2-Dichloroethane	U	0.00027	mg/L			SW846-8260

**MW65****1021003****WAG 22 (SWMUs 7 and 30) 1021003**

1,2-Dichloropropane	U	0.00026	mg/L	SW846-8260
2-Butanone	U	0.0034	mg/L	SW846-8260
2-Hexanone	U	0.0011	mg/L	SW846-8260
4-Methyl-2-pentanone	J	0.0025	mg/L	SW846-8260
Acetone	J	0.0081	mg/L	SW846-8260
Benzene	U	0.00038	mg/L	SW846-8260
Bromodichloromethane	U	0.0005	mg/L	SW846-8260
Bromoform	U	0.00044	mg/L	SW846-8260
Bromomethane	U	0.00025	mg/L	SW846-8260
Carbon disulfide	U	0.00033	mg/L	SW846-8260
Carbon tetrachloride	U	0.00035	mg/L	SW846-8260
Chlorobenzene	U	0.00049	mg/L	SW846-8260
Chloroethane	U	0.0014	mg/L	SW846-8260
Chloroform	U	0.00041	mg/L	SW846-8260
Chloromethane	U	0.00037	mg/L	SW846-8260
cis-1,2-Dichloroethene	U	0.00047	mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.0004	mg/L	SW846-8260
Dibromochloromethane	U	0.00043	mg/L	SW846-8260
Ethylbenzene	U	0.00044	mg/L	SW846-8260
Methylene chloride	U	0.00035	mg/L	SW846-8260
Styrene	U	0.0004	mg/L	SW846-8260
Tetrachloroethene	U	0.00035	mg/L	SW846-8260
Toluene		0.011	mg/L	SW846-8260
Total Xylene	U	0.0013	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.00048	mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.00047	mg/L	SW846-8260
Trichloroethene	U	0.00039	mg/L	SW846-8260
Vinyl chloride	U	0.0013	mg/L	SW846-8260

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MW66

1021003

WAG 22 (SWMUs 7 and 30) 1021003

M06611

Collected: 8/21/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	U	0.015	mg/L			SW846-6010
Antimony	U	0.003	mg/L			SW846-7041
Arsenic	U	0.0026	mg/L			SW846-6010
Barium		0.11	mg/L			SW846-6010
Beryllium		0.0004	mg/L			SW846-6010
Cadmium	U	0.0003	mg/L			SW846-6010
Calcium		19	mg/L			SW846-6010
Chromium	B	0.0045	mg/L			SW846-6010
Cobalt	U	0.005	mg/L			SW846-6010
Copper	U	0.0087	mg/L			SW846-6010
Iron		0.043	mg/L			SW846-6010
Lead	U	0.0017	mg/L			SW846-6010
Magnesium		5.2	mg/L			SW846-6010
Manganese		0.0025	mg/L			SW846-6010
Molybdenum	U	0.0044	mg/L			SW846-6010
Nickel		0.027	mg/L			SW846-6010
Potassium		2.1	mg/L			SW846-6010
Selenium	U	0.0038	mg/L			SW846-6010
Silver	U	0.0045	mg/L			SW846-6010
Sodium		15	mg/L			SW846-6010
Thallium	U	0.0037	mg/L			SW846-6010
Tin	U	0.017	mg/L			SW846-6010
Uranium	B	0.19	mg/L			SW846-6010
Vanadium	B	0.0025	mg/L			SW846-6010
Zinc	U	0.0077	mg/L			SW846-6010
<b>RADS</b>						
Alpha activity		8.3	pCi/L	0.7		EPA-900
Alpha activity		-20	pCi/L			RL-7119
Beta activity		310	pCi/L			RL-7119
Beta activity		130	pCi/L	1.6		EPA-900
Neptunium-237		-0.734	pCi/L	0.07		EPA-907
Plutonium-239		0.01	pCi/L	0.07		EPA-907
Technetium-99		343	pCi/L	10.3		DNT
Thorium-230		0.5	pCi/L	0.19		EPA-907
Uranium-234		0.57	pCi/L	0.19		EPA-907
Uranium-235/236		0.05	pCi/L	0.09		EPA-907
Uranium-238		0.01	pCi/L	0.07		EPA-907
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.0002	mg/L			SW846-8260
1,3-Dichlorobenzene	U	0.00024	mg/L			SW846-8260
1,4-Dichlorobenzene	U	0.00022	mg/L			SW846-8260
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.00036	mg/L			SW846-8260
1,1,2,2-Tetrachloroethane	U	0.0012	mg/L			SW846-8260
1,1,2-Trichloro-1,2,2-trifluoroethane	J	0.00088	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.00053	mg/L			SW846-8260
1,1-Dichloroethane	U	0.00037	mg/L			SW846-8260
1,1-Dichloroethene	U	0.00044	mg/L			SW846-8260
1,2-Dichloroethane	U	0.00027	mg/L			SW846-8260

**MW66****1021003****WAG 22 (SWMUs 7 and 30) 1021003**

1,2-Dichloropropane	U	0.00026	mg/L	SW846-8260
2-Butanone	U	0.0034	mg/L	SW846-8260
2-Hexanone	U	0.0011	mg/L	SW846-8260
4-Methyl-2-pentanone	U	0.0011	mg/L	SW846-8260
Acetone	J	0.0057	mg/L	SW846-8260
Benzene	U	0.00038	mg/L	SW846-8260
Bromodichloromethane	U	0.0005	mg/L	SW846-8260
Bromoform	U	0.00044	mg/L	SW846-8260
Bromomethane	U	0.00025	mg/L	SW846-8260
Carbon disulfide	U	0.00033	mg/L	SW846-8260
Carbon tetrachloride	U	0.00035	mg/L	SW846-8260
Chlorobenzene	U	0.00049	mg/L	SW846-8260
Chloroethane	U	0.0014	mg/L	SW846-8260
Chloroform	J	0.001	mg/L	SW846-8260
Chloromethane	U	0.00037	mg/L	SW846-8260
cis-1,2-Dichloroethene	J	0.0011	mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.0004	mg/L	SW846-8260
Dibromochloromethane	U	0.00043	mg/L	SW846-8260
Ethylbenzene	U	0.00044	mg/L	SW846-8260
Methylene chloride	U	0.00035	mg/L	SW846-8260
Styrene	U	0.0004	mg/L	SW846-8260
Tetrachloroethene	U	0.00035	mg/L	SW846-8260
Toluene		0.0021	mg/L	SW846-8260
Total Xylene	U	0.0013	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.00048	mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.00047	mg/L	SW846-8260
Trichloroethene	D	0.46	mg/L	SW846-8260
Vinyl chloride	U	0.0013	mg/L	SW846-8260

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WB-1

1021003

WAG 22 (SWMUs 7 and 30) 1021003

W01611

Collected: 7/12/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Alkalinity		440	mg/L			EPA-310.2
Alkalinity as CO3	U	10	mg/L CaC			EPA-310.2
Alkalinity as HCO3		440	mg/L CaC			EPA-310.2
Chloride		27	mg/L			EPA-300
Cyanide	U	0.01	mg/L			SW846-9012
Fluoride		17	mg/L			EPA-300
Nitrate/Nitrite		0.2	mg/L			EPA-353.2
Sulfate		2.4	mg/L			EPA-300
Total Organic Carbon (TOC)	D	10.7	mg/L			SW846-9060
<b>METAL</b>						
Aluminum		9.8	mg/L			SW846-6010
Antimony		0.0053	mg/L			SW846-7041
Arsenic		0.067	mg/L			SW846-6010
Barium		0.26	mg/L			SW846-6010
Beryllium		0.001	mg/L			SW846-6010
Cadmium		0.011	mg/L			SW846-6010
Calcium		24	mg/L			SW846-6010
Chromium		0.023	mg/L			SW846-6010
Cobalt	U	0.006	mg/L			SW846-6010
Copper		0.39	mg/L			SW846-6010
Iron		10	mg/L			SW846-6010
Lead		0.23	mg/L			SW846-6010
Magnesium		32	mg/L			SW846-6010
Manganese		0.25	mg/L			SW846-6010
Mercury		0.0005	mg/L			SW846-7070
Molybdenum		0.088	mg/L			SW846-6010
Nickel		0.076	mg/L			SW846-6010
Potassium		56	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-6010
Silver	U	0.007	mg/L			SW846-6010
Sodium		55	mg/L			SW846-6010
Thallium	U	0.01	mg/L			SW846-6010
Tin	U	0.05	mg/L			SW846-6010
Uranium		0.36	mg/L			SW846-6010
Vanadium		0.02	mg/L			SW846-6010
Zinc		0.21	mg/L			SW846-6010
<b>PCPB</b>						
4,4'-DDD	U	0.00019	mg/L			SW846-8270
4,4'-DDE	U	0.00022	mg/L			SW846-8270
4,4'-DDT	U	0.00011	mg/L			SW846-8270
Aldrin	U	0.00035	mg/L			SW846-8270
alpha-BHC	U	0.00021	mg/L			SW846-8270
beta-BHC	U	0.00054	mg/L			SW846-8270
delta-BHC	U	0.0022	mg/L			SW846-8270
Dieldrin	U	0.00028	mg/L			SW846-8270
Heptachlor	U	0.00025	mg/L			SW846-8270
Lindane	U	0.00024	mg/L			SW846-8270
Methoxychlor	U	0.00016	mg/L			SW846-8270
<b>RADS</b>						

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## 1021003

## WAG 22 (SWMUs 7 and 30) 1021003

Alpha activity		7000	pCi/L	79	EPA-900
Alpha activity	U	170	pCi/L		RL-7119
Beta activity		1800	pCi/L	26	EPA-900
Beta activity	U	210	pCi/L		RL-7119
Neptunium-237		5.57	pCi/L	0.82	EPA-907
Plutonium-239		4.21	pCi/L	0.66	EPA-907
Technetium-99		402	pCi/L	10.9	DNT
Thorium-230		11.7	pCi/L	1.08	EPA-907
Uranium-234		2220	pCi/L	28.5	EPA-907
Uranium-235/236		169	pCi/L	8.76	EPA-907
Uranium-238		2710	pCi/L	31.6	EPA-907

## SVOA

1,2,4,5-Tetrachlorobenzene	U	0.0043	mg/L		SW846-8270
1,2,4-Trichlorobenzene	J	0.0016	mg/L		SW846-8270
1,2-Dichlorobenzene	J	0.0028	mg/L		SW846-8260
1,2-Dichlorobenzene	J	0.002	mg/L		SW846-8270
1,2-Diphenylhydrazine	U	0.0002	mg/L		SW846-8270
1,3-Dichlorobenzene	J	0.0028	mg/L		SW846-8270
1,3-Dichlorobenzene	J	0.0037	mg/L		SW846-8260
1,4-Dichlorobenzene		0.016	mg/L		SW846-8260
1,4-Dichlorobenzene		0.013	mg/L		SW846-8270
1-Chloronaphthalene	U	0.00022	mg/L		SW846-8270
1-Naphthalenamine	U	0.00026	mg/L		SW846-8270
2,3,4,6-Tetrachlorophenol	U	0.00044	mg/L		SW846-8270
2,4,5-Trichlorophenol	U	0.00019	mg/L		SW846-8270
2,4,6-Trichlorophenol	U	0.00017	mg/L		SW846-8270
2,4-Dichlorophenol	J	0.00074	mg/L		SW846-8270
2,4-Dimethylphenol		0.064	mg/L		SW846-8270
2,4-Dinitrophenol	U	0.012	mg/L		SW846-8270
2,4-Dinitrotoluene	U	0.00007	mg/L		SW846-8270
2,6-Dichlorophenol	U	0.0005	mg/L		SW846-8270
2,6-Dinitrotoluene	U	0.00022	mg/L		SW846-8270
2-Chloronaphthalene	U	0.00012	mg/L		SW846-8270
2-Chlorophenol	U	0.00027	mg/L		SW846-8270
2-Methyl-4,6-dinitrophenol	U	0.0034	mg/L		SW846-8270
2-Methylnaphthalene	J	0.00043	mg/L		SW846-8270
2-Methylphenol	J	0.0012	mg/L		SW846-8270
2-Methylpyridine	U	0.0034	mg/L		SW846-8270
2-Naphthalenamine	U	0.00029	mg/L		SW846-8270
2-Nitrobenzenamine	U	0.00011	mg/L		SW846-8270
2-Nitrophenol	U	0.00024	mg/L		SW846-8270
3,3'-Dichlorobenzidine	U	0.004	mg/L		SW846-8270
3-Methylcholanthrene	U	0.00016	mg/L		SW846-8270
3-Nitrobenzenamine	U	0.00015	mg/L		SW846-8270
4-Aminobiphenyl	U	0.00055	mg/L		SW846-8270
4-Bromophenyl phenyl ether	U	0.00022	mg/L		SW846-8270
4-Chloro-3-methylphenol	U	0.00028	mg/L		SW846-8270
4-Chlorobenzenamine	U	0.00077	mg/L		SW846-8270
4-Chlorophenyl phenyl ether	U	0.00023	mg/L		SW846-8270
4-Methylphenol	J	0.00082	mg/L		SW846-8270
4-Nitrobenzenamine	U	0.0012	mg/L		SW846-8270
4-Nitrophenol	U	0.00039	mg/L		SW846-8270
7,12-Dimethylbenz(a)anthracene	U	0.0058	mg/L		SW846-8270
a,a-Dimethylphenethylamine	U	0.0041	mg/L		SW846-8270
Acenaphthene	U	0.00021	mg/L		SW846-8270

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## 1021003

## WAG 22 (SWMUs 7 and 30) 1021003

Acenaphthylene	U	0.00011	mg/L	SW846-8270
Acetophenone	U	0.00012	mg/L	SW846-8270
Aniline	U	0.00026	mg/L	SW846-8270
Anthracene	U	0.00024	mg/L	SW846-8270
Benz(a)anthracene	U	0.00019	mg/L	SW846-8270
Benzenemethanol	U	0.00029	mg/L	SW846-8270
Benzidine	U	0.038	mg/L	SW846-8270
Benzo(a)pyrene	U	0.00015	mg/L	SW846-8270
Benzo(b)fluoranthene	U	0.00016	mg/L	SW846-8270
Benzo(ghi)perylene	U	0.00032	mg/L	SW846-8270
Benzo(k)fluoranthene	U	0.00016	mg/L	SW846-8270
Benzoic acid	U	0.0066	mg/L	SW846-8270
Bis(2-chloroethoxy)methane	U	0.00025	mg/L	SW846-8270
Bis(2-chloroethyl) ether	U	0.00029	mg/L	SW846-8270
Bis(2-chloroisopropyl) ether	U	0.00035	mg/L	SW846-8270
Bis(2-ethylhexyl)phthalate	BJ	0.01	mg/L	SW846-8270
Butyl benzyl phthalate	U	0.00064	mg/L	SW846-8270
Chrysene	U	0.00021	mg/L	SW846-8270
Dibenz(a,h)anthracene	U	0.00028	mg/L	SW846-8270
Dibenzofuran	U	0.00011	mg/L	SW846-8270
Diethyl phthalate	U	0.00023	mg/L	SW846-8270
Dimethyl phthalate	U	0.00009	mg/L	SW846-8270
Di-n-butyl phthalate	BJ	0.01	mg/L	SW846-8270
Di-n-octylphthalate	J	0.0018	mg/L	SW846-8270
Ethyl methanesulfonate	U	0.0015	mg/L	SW846-8270
Fluoranthene	U	0.00023	mg/L	SW846-8270
Fluorene	U	0.00022	mg/L	SW846-8270
Hexachlorobenzene	U	0.00021	mg/L	SW846-8270
Hexachlorobutadiene	U	0.0003	mg/L	SW846-8270
Hexachlorocyclopentadiene	U	0.00017	mg/L	SW846-8270
Hexachloroethane	U	0.00035	mg/L	SW846-8270
Indeno(1,2,3-cd)pyrene	U	0.00022	mg/L	SW846-8270
Isophorone	U	0.00022	mg/L	SW846-8270
Methyl methanesulfonate	U	0.00024	mg/L	SW846-8270
Naphthalene	J	0.00072	mg/L	SW846-8270
Nitrobenzene	U	0.00036	mg/L	SW846-8270
N-Nitrosodimethylamine	U	0.00023	mg/L	SW846-8270
N-Nitroso-di-n-propylamine	U	0.00027	mg/L	SW846-8270
N-Nitrosodiphenylamine	U	0.00012	mg/L	SW846-8270
N-Nitrosopiperidine	U	0.0013	mg/L	SW846-8270
p-Dimethylaminoazobenzene	U	0.012	mg/L	SW846-8270
Pentachlorobenzene	U	0.002	mg/L	SW846-8270
Pentachloronitrobenzene	U	0.0047	mg/L	SW846-8270
Pentachlorophenol	U	0.00024	mg/L	SW846-8270
Phenacetin	U	0.00011	mg/L	SW846-8270
Phenanthrene	J	0.0033	mg/L	SW846-8270
Phenol	U	0.00062	mg/L	SW846-8270
Pronamide	U	0.0053	mg/L	SW846-8270
Pyrene	J	0.00069	mg/L	SW846-8270
Pyridine	U	0.00047	mg/L	SW846-8270
<b>VOA</b>				
1,1,1-Trichloroethane	U	0.00036	mg/L	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.0012	mg/L	SW846-8260
1,1,2-Trichloro-1,2,2-trifluoroethane	U	0.00036	mg/L	SW846-8260
1,1,2-Trichloroethane	U	0.00053	mg/L	SW846-8260



## WB-1

## 1021003

## WAG 22 (SWMUs 7 and 30) 1021003

1,1-Dichloroethane		0.072	mg/L	SW846-8260
1,1-Dichloroethene	U	0.00044	mg/L	SW846-8260
1,2-Dichloroethane	J	0.003	mg/L	SW846-8260
1,2-Dichloropropane	U	0.00026	mg/L	SW846-8260
2-Butanone	U	0.0034	mg/L	SW846-8260
2-Hexanone	U	0.0011	mg/L	SW846-8260
4-Methyl-2-pentanone	U	0.0011	mg/L	SW846-8260
Acetone	J	0.0067	mg/L	SW846-8260
Benzene		0.0025	mg/L	SW846-8260
Bromodichloromethane	U	0.0005	mg/L	SW846-8260
Bromoform	U	0.00044	mg/L	SW846-8260
Bromomethane	U	0.00025	mg/L	SW846-8260
Carbon disulfide	U	0.00033	mg/L	SW846-8260
Carbon tetrachloride	U	0.00035	mg/L	SW846-8260
Chlorobenzene		0.016	mg/L	SW846-8260
Chloroethane		0.12	mg/L	SW846-8260
Chloroform	U	0.00041	mg/L	SW846-8260
Chloromethane	U	0.00037	mg/L	SW846-8260
cis-1,2-Dichloroethene		0.067	mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.0004	mg/L	SW846-8260
Dibromochloromethane	U	0.00043	mg/L	SW846-8260
Ethylbenzene		0.011	mg/L	SW846-8260
Methylene chloride	J	0.0011	mg/L	SW846-8260
Styrene	U	0.0004	mg/L	SW846-8260
Tetrachloroethene	U	0.00035	mg/L	SW846-8260
Toluene		0.0082	mg/L	SW846-8260
Total Xylene		0.03	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.00048	mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.00047	mg/L	SW846-8260
Trichloroethene	J	0.0022	mg/L	SW846-8260
Vinyl chloride	J	0.0086	mg/L	SW846-8260

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WB-12

1021003

WAG 22 (SWMUs 7 and 30) 1021003

W12611

Collected: 7/15/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Alkalinity		660	mg/L			EPA-310.2
Alkalinity as CO3	U	10	mg/L CaC			EPA-310.2
Alkalinity as HCO3		660	mg/L CaC			EPA-310.2
Chloride		27	mg/L			EPA-300
Cyanide	U	0.01	mg/L			SW846-9012
Fluoride		67	mg/L			EPA-300
Nitrate/Nitrite		0.2	mg/L			EPA-353.2
Sulfate		0.53	mg/L			EPA-300
Total Organic Carbon (TOC)	D	17.2	mg/L			SW846-9060
<b>METAL</b>						
Aluminum		9.6	mg/L			SW846-6010
Antimony	B	0.0026	mg/L			SW846-7041
Arsenic		0.0082	mg/L			SW846-6010
Barium		0.14	mg/L			SW846-6010
Beryllium	B	0.0003	mg/L			SW846-6010
Cadmium	U	0.004	mg/L			SW846-6010
Calcium		11	mg/L			SW846-6010
Chromium		0.0083	mg/L			SW846-6010
Cobalt	U	0.006	mg/L			SW846-6010
Copper	U	0.01	mg/L			SW846-6010
Iron		10	mg/L			SW846-6010
Lead		0.0045	mg/L			SW846-6010
Magnesium		47	mg/L			SW846-6010
Manganese		0.46	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7070
Molybdenum		1.4	mg/L			SW846-6010
Nickel		0.019	mg/L			SW846-6010
Potassium		140	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-6010
Silver	U	0.007	mg/L			SW846-6010
Sodium		200	mg/L			SW846-6010
Thallium	U	0.01	mg/L			SW846-6010
Tin	U	0.05	mg/L			SW846-6010
Uranium		0.88	mg/L			SW846-6010
Vanadium		0.022	mg/L			SW846-6010
Zinc		0.075	mg/L			SW846-6010
<b>PCCB</b>						
4,4'-DDD	U	0.00019	mg/L			SW846-8270
4,4'-DDE	U	0.00022	mg/L			SW846-8270
4,4'-DDT	U	0.00011	mg/L			SW846-8270
Aldrin	U	0.00035	mg/L			SW846-8270
alpha-BHC	U	0.00021	mg/L			SW846-8270
beta-BHC	U	0.00054	mg/L			SW846-8270
delta-BHC	U	0.0022	mg/L			SW846-8270
Dieldrin	U	0.00028	mg/L			SW846-8270
Heptachlor	U	0.00025	mg/L			SW846-8270
Lindane	U	0.00024	mg/L			SW846-8270
Methoxychlor	U	0.00016	mg/L			SW846-8270
PCB-1016	U	0.00041	mg/L			SW846-8080

\*QUALIFIER Codes See attached List.

## WB-12

## 1021003

## WAG 22 (SWMUs 7 and 30) 1021003

PCB-1221	U	0.00022	mg/L		SW846-8080
PCB-1232	U	0.00015	mg/L		SW846-8080
PCB-1242	U	0.00067	mg/L		SW846-8080
PCB-1248		0.0083	mg/L		SW846-8080
PCB-1254	U	1.6E-05	mg/L		SW846-8080
PCB-1260	U	2.5E-05	mg/L		SW846-8080

## RADS

Alpha activity	U	350	pCi/L		RL-7119
Alpha activity		200	pCi/L	7.7	EPA-900
Beta activity		580	pCi/L		RL-7119
Beta activity		490	pCi/L	8.1	EPA-900
Neptunium-237		0.36	pCi/L	0.33	EPA-907
Plutonium-239		0.16	pCi/L	0.27	EPA-907
Technetium-99		187	pCi/L	9.06	DNT
Thorium-230		2.83	pCi/L	0.81	EPA-907
Uranium-234		38.8	pCi/L	2.85	EPA-907
Uranium-235/236		4.93	pCi/L	1.15	EPA-907
Uranium-238		192	pCi/L	6.31	EPA-907

## SVOA

1,2,4,5-Tetrachlorobenzene	U	0.0043	mg/L		SW846-8270
1,2,4-Trichlorobenzene	J	0.0017	mg/L		SW846-8270
1,2-Dichlorobenzene	U	0.0002	mg/L		SW846-8260
1,2-Dichlorobenzene	U	0.00032	mg/L		SW846-8270
1,2-Diphenylhydrazine	U	0.0002	mg/L		SW846-8270
1,3-Dichlorobenzene	U	0.00036	mg/L		SW846-8270
1,3-Dichlorobenzene	J	0.00055	mg/L		SW846-8260
1,4-Dichlorobenzene	U	0.00022	mg/L		SW846-8260
1,4-Dichlorobenzene	U	0.00032	mg/L		SW846-8270
1-Chloronaphthalene	U	0.00022	mg/L		SW846-8270
1-Naphthalenamine	U	0.00026	mg/L		SW846-8270
2,3,4,6-Tetrachlorophenol	U	0.00044	mg/L		SW846-8270
2,4,5-Trichlorophenol	U	0.00019	mg/L		SW846-8270
2,4,6-Trichlorophenol	U	0.00017	mg/L		SW846-8270
2,4-Dichlorophenol	U	0.00016	mg/L		SW846-8270
2,4-Dimethylphenol		0.026	mg/L		SW846-8270
2,4-Dinitrophenol	U	0.012	mg/L		SW846-8270
2,4-Dinitrotoluene	U	0.00007	mg/L		SW846-8270
2,6-Dichlorophenol	U	0.0005	mg/L		SW846-8270
2,6-Dinitrotoluene	U	0.00022	mg/L		SW846-8270
2-Chloronaphthalene	U	0.00012	mg/L		SW846-8270
2-Chlorophenol	U	0.00027	mg/L		SW846-8270
2-Methyl-4,6-dinitrophenol	U	0.0034	mg/L		SW846-8270
2-Methylnaphthalene	J	0.0016	mg/L		SW846-8270
2-Methylphenol	U	0.0002	mg/L		SW846-8270
2-Methylpyridine	U	0.0034	mg/L		SW846-8270
2-Naphthalenamine	U	0.00029	mg/L		SW846-8270
2-Nitrobenzenamine	U	0.00011	mg/L		SW846-8270
2-Nitrophenol	U	0.00024	mg/L		SW846-8270
3,3'-Dichlorobenzidine	U	0.004	mg/L		SW846-8270
3-Methylcholanthrene	U	0.00016	mg/L		SW846-8270
3-Nitrobenzenamine	U	0.00015	mg/L		SW846-8270
4-Aminobiphenyl	U	0.00055	mg/L		SW846-8270
4-Bromophenyl phenyl ether	U	0.00022	mg/L		SW846-8270
4-Chloro-3-methylphenol	J	0.0015	mg/L		SW846-8270
4-Chlorobenzenamine	U	0.00077	mg/L		SW846-8270

## WB-12

## 1021003

## WAG 22 (SWMUs 7 and 30) 1021003

4-Chlorophenyl phenyl ether	U	0.00023	mg/L	SW846-8270
4-Methylphenol	J	0.0017	mg/L	SW846-8270
4-Nitrobenzenamine	U	0.0012	mg/L	SW846-8270
4-Nitrophenol	U	0.00039	mg/L	SW846-8270
7,12-Dimethylbenz(a)anthracene	U	0.0058	mg/L	SW846-8270
a,a-Dimethylphenethylamine	U	0.0041	mg/L	SW846-8270
Acenaphthene	U	0.00021	mg/L	SW846-8270
Acenaphthylene	U	0.00011	mg/L	SW846-8270
Acetophenone	U	0.00012	mg/L	SW846-8270
Aniline	U	0.00026	mg/L	SW846-8270
Anthracene	U	0.00024	mg/L	SW846-8270
Benz(a)anthracene	U	0.00019	mg/L	SW846-8270
Benzenemethanol	U	0.00029	mg/L	SW846-8270
Benzidine	U	0.038	mg/L	SW846-8270
Benzo(a)pyrene	U	0.00015	mg/L	SW846-8270
Benzo(b)fluoranthene	U	0.00016	mg/L	SW846-8270
Benzo(ghi)perylene	U	0.00032	mg/L	SW846-8270
Benzo(k)fluoranthene	U	0.00016	mg/L	SW846-8270
Benzoic acid	U	0.0066	mg/L	SW846-8270
Bis(2-chloroethoxy)methane	U	0.00025	mg/L	SW846-8270
Bis(2-chloroethyl) ether	U	0.00029	mg/L	SW846-8270
Bis(2-chloroisopropyl) ether	U	0.00035	mg/L	SW846-8270
Bis(2-ethylhexyl)phthalate	J	0.0015	mg/L	SW846-8270
Butyl benzyl phthalate	U	0.00064	mg/L	SW846-8270
Chrysene	U	0.00021	mg/L	SW846-8270
Dibenz(a,h)anthracene	U	0.00028	mg/L	SW846-8270
Dibenzofuran	U	0.00011	mg/L	SW846-8270
Diethyl phthalate	J	0.00058	mg/L	SW846-8270
Dimethyl phthalate	U	0.00009	mg/L	SW846-8270
Di-n-butyl phthalate	BJ	0.01	mg/L	SW846-8270
Di-n-octylphthalate	U	0.00015	mg/L	SW846-8270
Ethyl methanesulfonate	U	0.0015	mg/L	SW846-8270
Fluoranthene	U	0.00023	mg/L	SW846-8270
Fluorene	U	0.00022	mg/L	SW846-8270
Hexachlorobenzene	U	0.00021	mg/L	SW846-8270
Hexachlorobutadiene	U	0.0003	mg/L	SW846-8270
Hexachlorocyclopentadiene	U	0.00017	mg/L	SW846-8270
Hexachloroethane	U	0.00035	mg/L	SW846-8270
Indeno(1,2,3-cd)pyrene	U	0.00022	mg/L	SW846-8270
Isophorone	U	0.00022	mg/L	SW846-8270
Methyl methanesulfonate	U	0.00024	mg/L	SW846-8270
Naphthalene	J	0.0027	mg/L	SW846-8270
Nitrobenzene	U	0.00036	mg/L	SW846-8270
N-Nitrosodimethylamine	U	0.00023	mg/L	SW846-8270
N-Nitroso-di-n-propylamine	U	0.00027	mg/L	SW846-8270
N-Nitrosodiphenylamine	U	0.00012	mg/L	SW846-8270
N-Nitrosopiperidine	U	0.0013	mg/L	SW846-8270
p-Dimethylaminoazobenzene	U	0.012	mg/L	SW846-8270
Pentachlorobenzene	U	0.002	mg/L	SW846-8270
Pentachloronitrobenzene	U	0.0047	mg/L	SW846-8270
Pentachlorophenol	U	0.00024	mg/L	SW846-8270
Phenacetin	U	0.00011	mg/L	SW846-8270
Phenanthrene	U	0.00021	mg/L	SW846-8270
Phenol	U	0.00062	mg/L	SW846-8270
Pronamide	U	0.0053	mg/L	SW846-8270

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## 1021003

## WAG 22 (SWMUs 7 and 30) 1021003

Pyrene	U	0.00025	mg/L	SW846-8270
Pyridine	U	0.00047	mg/L	SW846-8270
<b>VOA</b>				
1,1,1-Trichloroethane		0.0088	mg/L	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.0012	mg/L	SW846-8260
1,1,2-Trichloro-1,2,2-trifluoroethane	J	0.00095	mg/L	SW846-8260
1,1,2-Trichloroethane	U	0.00053	mg/L	SW846-8260
1,1-Dichloroethane		0.099	mg/L	SW846-8260
1,1-Dichloroethene	U	0.00044	mg/L	SW846-8260
1,2-Dichloroethane	U	0.00027	mg/L	SW846-8260
1,2-Dichloropropane	U	0.00026	mg/L	SW846-8260
2-Butanone	U	0.0034	mg/L	SW846-8260
2-Hexanone	U	0.0011	mg/L	SW846-8260
4-Methyl-2-pentanone	U	0.0011	mg/L	SW846-8260
Acetone		0.052	mg/L	SW846-8260
Benzene		0.0039	mg/L	SW846-8260
Bromodichloromethane	U	0.0005	mg/L	SW846-8260
Bromoform	U	0.00044	mg/L	SW846-8260
Bromomethane	U	0.00025	mg/L	SW846-8260
Carbon disulfide	U	0.00033	mg/L	SW846-8260
Carbon tetrachloride	U	0.00035	mg/L	SW846-8260
Chlorobenzene	U	0.00049	mg/L	SW846-8260
Chloroethane		0.016	mg/L	SW846-8260
Chloroform	U	0.00041	mg/L	SW846-8260
Chloromethane	U	0.00037	mg/L	SW846-8260
cis-1,2-Dichloroethene	J	0.0022	mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.0004	mg/L	SW846-8260
Dibromochloromethane	U	0.00043	mg/L	SW846-8260
Ethylbenzene		0.043	mg/L	SW846-8260
Methylene chloride	J	0.005	mg/L	SW846-8260
Styrene	U	0.0004	mg/L	SW846-8260
Tetrachloroethene	J	0.00071	mg/L	SW846-8260
Toluene		0.0073	mg/L	SW846-8260
Total Xylene		0.21	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.00048	mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.00047	mg/L	SW846-8260
Trichloroethene	J	0.0013	mg/L	SW846-8260
Vinyl chloride		0.011	mg/L	SW846-8260

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**WB-13**  
**1021003**  
**W13611**

**WAG 22 (SWMUs 7 and 30) 1021003**

Collected: 7/15/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Alkalinity		170	mg/L			EPA-310.2
Alkalinity as CO3	U	10	mg/L CaC			EPA-310.2
Alkalinity as HCO3		170	mg/L CaC			EPA-310.2
Chloride		8.9	mg/L			EPA-300
Fluoride		4.9	mg/L			EPA-300
Nitrate/Nitrite		3.1	mg/L			EPA-353.2
Sulfate		220	mg/L			EPA-300
Total Organic Carbon (TOC)	D	9.2	mg/L			SW846-9060
<b>METAL</b>						
Aluminum		410	mg/L			SW846-6010
Antimony	U	0.003	mg/L			SW846-7041
Arsenic		0.11	mg/L			SW846-6010
Barium		2.8	mg/L			SW846-6010
Beryllium		0.015	mg/L			SW846-6010
Cadmium		0.008	mg/L			SW846-6010
Calcium		400	mg/L			SW846-6010
Chromium		0.6	mg/L			SW846-6010
Cobalt		0.19	mg/L			SW846-6010
Copper		0.41	mg/L			SW846-6010
Iron		420	mg/L			SW846-6010
Lead		0.32	mg/L			SW846-6010
Magnesium		86	mg/L			SW846-6010
Manganese		12	mg/L			SW846-6010
Mercury		0.0006	mg/L			SW846-7070
Molybdenum		0.063	mg/L			SW846-6010
Nickel		6.3	mg/L			SW846-6010
Potassium		24	mg/L			SW846-6010
Selenium		0.0093	mg/L			SW846-6010
Silver	U	0.007	mg/L			SW846-6010
Sodium		35	mg/L			SW846-6010
Thallium	U	0.01	mg/L			SW846-6010
Tin		0.12	mg/L			SW846-6010
Uranium		83	mg/L			SW846-6010
Vanadium		0.7	mg/L			SW846-6010
Zinc		1.6	mg/L			SW846-6010
<b>PCPB</b>						
PCB-1016	J	0.00075	mg/L			SW846-8080
PCB-1221	U	0.00022	mg/L			SW846-8080
PCB-1232	U	0.00015	mg/L			SW846-8080
PCB-1242	U	0.00067	mg/L			SW846-8080
PCB-1248	U	0.00029	mg/L			SW846-8080
PCB-1254	U	1.6E-05	mg/L			SW846-8080
PCB-1260	J	0.00024	mg/L			SW846-8080
<b>RADS</b>						
Alpha activity		14310	pCi/L			RL-7119
Alpha activity		5000	pCi/L	37		EPA-900
Beta activity		2000	pCi/L	15		EPA-900
Beta activity		6090	pCi/L			RL-7119
Neptunium-237		1.46	pCi/L	0.63		EPA-907

\*QUALIFIER Codes See attached List.

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**1021003**

**WAG 22 (SWMUs 7 and 30) 1021003**

Plutonium-239		1.72	pCi/L	0.59	EPA-907
Technetium-99		415	pCi/L	11	DNT
Thorium-230		2.65	pCi/L	0.72	EPA-907
Uranium-234		764	pCi/L	22.5	EPA-907
Uranium-235/236		116	pCi/L	9.78	EPA-907
Uranium-238		4910	pCi/L	56.8	EPA-907
<b>SVOA</b>					
1,2-Dichlorobenzene	U	0.0002	mg/L		SW846-8260
1,3-Dichlorobenzene	U	0.00024	mg/L		SW846-8260
1,4-Dichlorobenzene	U	0.00022	mg/L		SW846-8260
<b>VOA</b>					
1,1,1-Trichloroethane	U	0.00036	mg/L		SW846-8260
1,1,2,2-Tetrachloroethane	U	0.0012	mg/L		SW846-8260
1,1,2-Trichloro-1,2,2-trifluoroethane	U	0.00036	mg/L		SW846-8260
1,1,2-Trichloroethane	U	0.00053	mg/L		SW846-8260
1,1-Dichloroethane	J	0.00078	mg/L		SW846-8260
1,1-Dichloroethene	U	0.00044	mg/L		SW846-8260
1,2-Dichloroethane	U	0.00027	mg/L		SW846-8260
1,2-Dichloropropane	U	0.00026	mg/L		SW846-8260
2-Butanone	U	0.0034	mg/L		SW846-8260
2-Hexanone	U	0.0011	mg/L		SW846-8260
4-Methyl-2-pentanone	U	0.0011	mg/L		SW846-8260
Acetone		0.014	mg/L		SW846-8260
Benzene	U	0.00038	mg/L		SW846-8260
Bromodichloromethane	U	0.0005	mg/L		SW846-8260
Bromoform	U	0.00044	mg/L		SW846-8260
Bromomethane	U	0.00025	mg/L		SW846-8260
Carbon disulfide	U	0.00033	mg/L		SW846-8260
Carbon tetrachloride	U	0.00035	mg/L		SW846-8260
Chlorobenzene	U	0.00049	mg/L		SW846-8260
Chloroethane	U	0.0014	mg/L		SW846-8260
Chloroform	U	0.00041	mg/L		SW846-8260
Chloromethane	U	0.00037	mg/L		SW846-8260
cis-1,2-Dichloroethene	U	0.00047	mg/L		SW846-8260
cis-1,3-Dichloropropene	U	0.0004	mg/L		SW846-8260
Dibromochloromethane	U	0.00043	mg/L		SW846-8260
Ethylbenzene	J	0.0016	mg/L		SW846-8260
Methylene chloride	U	0.00035	mg/L		SW846-8260
Styrene	U	0.0004	mg/L		SW846-8260
Tetrachloroethene	U	0.00035	mg/L		SW846-8260
Toluene	J	0.00047	mg/L		SW846-8260
Total Xylene		0.0073	mg/L		SW846-8260
trans-1,2-Dichloroethene	U	0.00048	mg/L		SW846-8260
trans-1,3-Dichloropropene	U	0.00047	mg/L		SW846-8260
Trichloroethene	U	0.00039	mg/L		SW846-8260
Vinyl chloride	U	0.0013	mg/L		SW846-8260

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**WB-4**

**1021003**

**WAG 22 (SWMUs 7 and 30) 1021003**

**W04611**

Collected: 7/10/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Alkalinity		290	mg/L			EPA-310.2
Alkalinity as CO3	U	10	mg/L CaC			EPA-310.2
Alkalinity as HCO3		290	mg/L CaC			EPA-310.2
Chloride		14	mg/L			EPA-300
Cyanide	U	0.01	mg/L			SW846-9012
Fluoride		4.2	mg/L			EPA-300
Nitrate/Nitrite		0.2	mg/L			EPA-353.2
Sulfate		22	mg/L			EPA-300
Total Organic Carbon (TOC)		7.44	mg/L			SW846-9060
<b>METAL</b>						
Aluminum		53	mg/L			SW846-6010
Antimony		0.0047	mg/L			SW846-7041
Arsenic		0.03	mg/L			SW846-6010
Barium		0.52	mg/L			SW846-6010
Beryllium		0.0016	mg/L			SW846-6010
Cadmium	B	0.004	mg/L			SW846-6010
Calcium		57	mg/L			SW846-6010
Chromium		0.087	mg/L			SW846-6010
Cobalt		0.016	mg/L			SW846-6010
Copper		0.25	mg/L			SW846-6010
Iron		51	mg/L			SW846-6010
Lead		0.084	mg/L			SW846-6010
Magnesium		37	mg/L			SW846-6010
Manganese		0.97	mg/L			SW846-6010
Mercury		0.0007	mg/L			SW846-7070
Molybdenum		0.14	mg/L			SW846-6010
Nickel		0.14	mg/L			SW846-6010
Potassium		18	mg/L			SW846-6010
Selenium	B	0.005	mg/L			SW846-6010
Silver	U	0.007	mg/L			SW846-6010
Sodium	U	28	mg/L			SW846-6010
Thallium	U	0.01	mg/L			SW846-6010
Tin	B	0.024	mg/L			SW846-6010
Uranium		0.37	mg/L			SW846-6010
Vanadium		0.095	mg/L			SW846-6010
Zinc		0.28	mg/L			SW846-6010
<b>PCCB</b>						
4,4'-DDD	U	0.00021	mg/L			SW846-8270
4,4'-DDE	U	0.00024	mg/L			SW846-8270
4,4'-DDT	U	0.00012	mg/L			SW846-8270
Aldrin	U	0.00039	mg/L			SW846-8270
alpha-BHC	U	0.00023	mg/L			SW846-8270
beta-BHC	U	0.00059	mg/L			SW846-8270
delta-BHC	U	0.0024	mg/L			SW846-8270
Dieldrin	U	0.00031	mg/L			SW846-8270
Heptachlor	U	0.00028	mg/L			SW846-8270
Lindane	U	0.00026	mg/L			SW846-8270
Methoxychlor	U	0.00018	mg/L			SW846-8270
PCB-1016	U	0.00041	mg/L			SW846-8080



## WB-4

## 1021003

## WAG 22 (SWMUs 7 and 30) 1021003

PCB-1221	U	0.00022	mg/L		SW846-8080
PCB-1232	U	0.00015	mg/L		SW846-8080
PCB-1242	U	0.00067	mg/L		SW846-8080
PCB-1248	U	0.00029	mg/L		SW846-8080
PCB-1254	U	1.6E-05	mg/L		SW846-8080
PCB-1260		0.0029	mg/L		SW846-8080

## RADS

Alpha activity		310	pCi/L	8.7	EPA-900
Alpha activity		690	pCi/L		RL-7119
Beta activity		530	pCi/L		RL-7119
Beta activity		150	pCi/L	5.2	EPA-900
Neptunium-237		3.5	pCi/L	0.67	EPA-907
Plutonium-239		0.18	pCi/L	0.17	EPA-907
Technetium-99		88.7	pCi/L	8.06	DNT
Thorium-230		2.07	pCi/L	0.63	EPA-907
Uranium-234		106	pCi/L	3.22	EPA-907
Uranium-235/236		9.77	pCi/L	1.09	EPA-907
Uranium-238		247	pCi/L	4.93	EPA-907

## SVOA

1,2,4,5-Tetrachlorobenzene	U	0.0047	mg/L		SW846-8270
1,2,4-Trichlorobenzene	U	0.0012	mg/L		SW846-8270
1,2-Dichlorobenzene	J	0.004	mg/L		SW846-8260
1,2-Dichlorobenzene		0.012	mg/L		SW846-8270
1,2-Diphenylhydrazine	U	0.00022	mg/L		SW846-8270
1,3-Dichlorobenzene		0.021	mg/L		SW846-8270
1,3-Dichlorobenzene		0.0055	mg/L		SW846-8260
1,4-Dichlorobenzene		0.067	mg/L		SW846-8270
1,4-Dichlorobenzene		0.015	mg/L		SW846-8260
1-Chloronaphthalene	U	0.00024	mg/L		SW846-8270
1-Naphthalenamine	U	0.00029	mg/L		SW846-8270
2,3,4,6-Tetrachlorophenol	U	0.00048	mg/L		SW846-8270
2,4,5-Trichlorophenol	U	0.00021	mg/L		SW846-8270
2,4,6-Trichlorophenol	U	0.00019	mg/L		SW846-8270
2,4-Dichlorophenol	U	0.00018	mg/L		SW846-8270
2,4-Dimethylphenol	J	0.0008	mg/L		SW846-8270
2,4-Dinitrophenol	U	0.013	mg/L		SW846-8270
2,4-Dinitrotoluene	U	7.7E-05	mg/L		SW846-8270
2,6-Dichlorophenol	U	0.00055	mg/L		SW846-8270
2,6-Dinitrotoluene	U	0.00024	mg/L		SW846-8270
2-Chloronaphthalene	U	0.00013	mg/L		SW846-8270
2-Chlorophenol	U	0.0003	mg/L		SW846-8270
2-Methyl-4,6-dinitrophenol	U	0.0037	mg/L		SW846-8270
2-Methylnaphthalene	J	0.00034	mg/L		SW846-8270
2-Methylphenol	U	0.00022	mg/L		SW846-8270
2-Methylpyridine	U	0.0037	mg/L		SW846-8270
2-Naphthalenamine	U	0.00032	mg/L		SW846-8270
2-Nitrobenzenamine	U	0.00012	mg/L		SW846-8270
2-Nitrophenol	U	0.00026	mg/L		SW846-8270
3,3'-Dichlorobenzidine	U	0.0044	mg/L		SW846-8270
3-Methylcholanthrene	U	0.00018	mg/L		SW846-8270
3-Nitrobenzenamine	U	0.00017	mg/L		SW846-8270
4-Aminobiphenyl	U	0.00061	mg/L		SW846-8270
4-Bromophenyl phenyl ether	U	0.00024	mg/L		SW846-8270
4-Chloro-3-methylphenol	U	0.00031	mg/L		SW846-8270
4-Chlorobenzenamine	U	0.00085	mg/L		SW846-8270

## WB-4

## 1021003

## WAG 22 (SWMUs 7 and 30) 1021003

4-Chlorophenyl phenyl ether	U	0.00025	mg/L	SW846-8270
4-Methylphenol	U	0.0002	mg/L	SW846-8270
4-Nitrobenzenamine	U	0.0013	mg/L	SW846-8270
4-Nitrophenol	U	0.00043	mg/L	SW846-8270
7,12-Dimethylbenz(a)anthracene	U	0.0064	mg/L	SW846-8270
a,a-Dimethylphenethylamine	U	0.0045	mg/L	SW846-8270
Acenaphthene	J	0.00035	mg/L	SW846-8270
Acenaphthylene	U	0.00012	mg/L	SW846-8270
Acetophenone	U	0.00013	mg/L	SW846-8270
Aniline	U	0.00029	mg/L	SW846-8270
Anthracene	U	0.00026	mg/L	SW846-8270
Benz(a)anthracene	U	0.00021	mg/L	SW846-8270
Benzenemethanol	U	0.00032	mg/L	SW846-8270
Benzidine	U	0.042	mg/L	SW846-8270
Benzo(a)pyrene	U	0.00017	mg/L	SW846-8270
Benzo(b)fluoranthene	U	0.00018	mg/L	SW846-8270
Benzo(ghi)perylene	U	0.00035	mg/L	SW846-8270
Benzo(k)fluoranthene	U	0.00018	mg/L	SW846-8270
Benzoic acid	U	0.0073	mg/L	SW846-8270
Bis(2-chloroethoxy)methane	U	0.00028	mg/L	SW846-8270
Bis(2-chloroethyl) ether	U	0.00032	mg/L	SW846-8270
Bis(2-chloroisopropyl) ether	U	0.00039	mg/L	SW846-8270
Bis(2-ethylhexyl)phthalate	U	0.00033	mg/L	SW846-8270
Butyl benzyl phthalate	U	0.0007	mg/L	SW846-8270
Chrysene	U	0.00023	mg/L	SW846-8270
Dibenz(a,h)anthracene	U	0.00031	mg/L	SW846-8270
Dibenzofuran	U	0.00012	mg/L	SW846-8270
Diethyl phthalate	J	0.00045	mg/L	SW846-8270
Dimethyl phthalate	U	9.9E-05	mg/L	SW846-8270
Di-n-butyl phthalate	BJ	0.011	mg/L	SW846-8270
Di-n-octylphthalate	U	0.00017	mg/L	SW846-8270
Ethyl methanesulfonate	U	0.0017	mg/L	SW846-8270
Fluoranthene	J	0.00027	mg/L	SW846-8270
Fluorene	U	0.00024	mg/L	SW846-8270
Hexachlorobenzene	U	0.00023	mg/L	SW846-8270
Hexachlorobutadiene	U	0.00033	mg/L	SW846-8270
Hexachlorocyclopentadiene	U	0.00019	mg/L	SW846-8270
Hexachloroethane	U	0.00039	mg/L	SW846-8270
Indeno(1,2,3-cd)pyrene	U	0.00024	mg/L	SW846-8270
Isophorone	U	0.00024	mg/L	SW846-8270
Methyl methanesulfonate	U	0.00026	mg/L	SW846-8270
Naphthalene	U	0.00032	mg/L	SW846-8270
Nitrobenzene	U	0.0004	mg/L	SW846-8270
N-Nitrosodimethylamine	U	0.00025	mg/L	SW846-8270
N-Nitroso-di-n-propylamine	U	0.0003	mg/L	SW846-8270
N-Nitrosodiphenylamine	U	0.00013	mg/L	SW846-8270
N-Nitrosopiperidine	U	0.0014	mg/L	SW846-8270
p-Dimethylaminoazobenzene	U	0.013	mg/L	SW846-8270
Pentachlorobenzene	U	0.0022	mg/L	SW846-8270
Pentachloronitrobenzene	U	0.0052	mg/L	SW846-8270
Pentachlorophenol	U	0.00026	mg/L	SW846-8270
Phenacetin	U	0.00012	mg/L	SW846-8270
Phenanthrene	U	0.00023	mg/L	SW846-8270
Phenol	U	0.00068	mg/L	SW846-8270
Pronamide	U	0.0058	mg/L	SW846-8270

## WB-4

## 1021003

## WAG 22 (SWMUs 7 and 30) 1021003

Pyrene	J	0.00077	mg/L	SW846-8270
Pyridine	U	0.00052	mg/L	SW846-8270
<b>VOA</b>				
1,1,1-Trichloroethane	U	0.00036	mg/L	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.0012	mg/L	SW846-8260
1,1,2-Trichloro-1,2,2-trifluoroethane	U	0.00036	mg/L	SW846-8260
1,1,2-Trichloroethane	U	0.00053	mg/L	SW846-8260
1,1-Dichloroethane		0.019	mg/L	SW846-8260
1,1-Dichloroethene	U	0.00044	mg/L	SW846-8260
1,2-Dichloroethane	J	0.0015	mg/L	SW846-8260
1,2-Dichloropropane	U	0.00026	mg/L	SW846-8260
2-Butanone	U	0.0034	mg/L	SW846-8260
2-Hexanone	U	0.0011	mg/L	SW846-8260
4-Methyl-2-pentanone	U	0.0011	mg/L	SW846-8260
Acetone		0.01	mg/L	SW846-8260
Benzene		0.0054	mg/L	SW846-8260
Bromodichloromethane	U	0.0005	mg/L	SW846-8260
Bromoform	U	0.00044	mg/L	SW846-8260
Bromomethane	U	0.00025	mg/L	SW846-8260
Carbon disulfide	U	0.00033	mg/L	SW846-8260
Carbon tetrachloride	U	0.00035	mg/L	SW846-8260
Chlorobenzene		0.093	mg/L	SW846-8260
Chloroethane		0.033	mg/L	SW846-8260
Chloroform	U	0.00041	mg/L	SW846-8260
Chloromethane	J	0.0094	mg/L	SW846-8260
cis-1,2-Dichloroethene		0.015	mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.0004	mg/L	SW846-8260
Dibromochloromethane	U	0.00043	mg/L	SW846-8260
Ethylbenzene	U	0.00044	mg/L	SW846-8260
Methylene chloride	U	0.00035	mg/L	SW846-8260
Styrene	U	0.0004	mg/L	SW846-8260
Tetrachloroethene	U	0.00035	mg/L	SW846-8260
Toluene	J	0.0012	mg/L	SW846-8260
Total Xylene	U	0.0013	mg/L	SW846-8260
trans-1,2-Dichloroethene	J	0.0017	mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.00047	mg/L	SW846-8260
Trichloroethene	J	0.0037	mg/L	SW846-8260
Vinyl chloride	J	0.0048	mg/L	SW846-8260

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WB-5

1021003

WAG 22 (SWMUs 7 and 30) 1021003

W05611

Collected: 7/24/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>RADS</b>						
Alpha activity		9980	pCi/L			RL-7119
Beta activity		16350	pCi/L			RL-7119
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.0002	mg/L			SW846-8260
1,3-Dichlorobenzene	U	0.00024	mg/L			SW846-8260
1,4-Dichlorobenzene	U	0.00022	mg/L			SW846-8260
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.00036	mg/L			SW846-8260
1,1,2,2-Tetrachloroethane	U	0.0012	mg/L			SW846-8260
1,1,2-Trichloro-1,2,2-trifluoroethane	U	0.00036	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.00053	mg/L			SW846-8260
1,1-Dichloroethane	U	0.00037	mg/L			SW846-8260
1,1-Dichloroethene	U	0.00044	mg/L			SW846-8260
1,2-Dichloroethane	U	0.00027	mg/L			SW846-8260
1,2-Dichloropropane	U	0.00026	mg/L			SW846-8260
2-Butanone	U	0.0034	mg/L			SW846-8260
2-Hexanone	U	0.0011	mg/L			SW846-8260
4-Methyl-2-pentanone	U	0.0011	mg/L			SW846-8260
Acetone		0.012	mg/L			SW846-8260
Benzene	U	0.00038	mg/L			SW846-8260
Bromodichloromethane	U	0.0005	mg/L			SW846-8260
Bromoform	U	0.00044	mg/L			SW846-8260
Bromomethane	U	0.00025	mg/L			SW846-8260
Carbon disulfide	U	0.00033	mg/L			SW846-8260
Carbon tetrachloride	U	0.00035	mg/L			SW846-8260
Chlorobenzene	U	0.00049	mg/L			SW846-8260
Chloroethane	U	0.0014	mg/L			SW846-8260
Chloroform	U	0.00041	mg/L			SW846-8260
Chloromethane	U	0.00037	mg/L			SW846-8260
cis-1,2-Dichloroethene	U	0.00047	mg/L			SW846-8260
cis-1,3-Dichloropropene	U	0.0004	mg/L			SW846-8260
Dibromochloromethane	U	0.00043	mg/L			SW846-8260
Ethylbenzene	U	0.00044	mg/L			SW846-8260
Methylene chloride	U	0.00035	mg/L			SW846-8260
Styrene	U	0.0004	mg/L			SW846-8260
Tetrachloroethene	U	0.00035	mg/L			SW846-8260
Toluene	U	0.00044	mg/L			SW846-8260
Total Xylene	U	0.0013	mg/L			SW846-8260
trans-1,2-Dichloroethene	U	0.00048	mg/L			SW846-8260
trans-1,3-Dichloropropene	U	0.00047	mg/L			SW846-8260
Trichloroethene	U	0.00039	mg/L			SW846-8260
Vinyl chloride	U	0.0013	mg/L			SW846-8260

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**WB-7**

**1021003**

**WAG 22 (SWMUs 7 and 30) 1021003**

**W07611**

Collected: 7/17/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Alkalinity		350	mg/L			EPA-310.2
Alkalinity as CO3	U	10	mg/L CaC			EPA-310.2
Alkalinity as HCO3		350	mg/L CaC			EPA-310.2
Chloride		78	mg/L			EPA-300
Cyanide	U	0.01	mg/L			SW846-9012
Fluoride		18	mg/L			EPA-300
Nitrate/Nitrite		0.2	mg/L			EPA-353.2
Sulfate		0.12	mg/L			EPA-300
Total Organic Carbon (TOC)	D	9.85	mg/L			SW846-9060
<b>METAL</b>						
Aluminum		31	mg/L			SW846-6010
Antimony	U	0.003	mg/L			SW846-7041
Arsenic		0.011	mg/L			SW846-6010
Barium		0.4	mg/L			SW846-6010
Beryllium		0.0008	mg/L			SW846-6010
Cadmium	U	0.004	mg/L			SW846-6010
Calcium		28	mg/L			SW846-6010
Chromium		0.039	mg/L			SW846-6010
Cobalt		0.011	mg/L			SW846-6010
Copper		0.093	mg/L			SW846-6010
Iron		32	mg/L			SW846-6010
Lead		0.027	mg/L			SW846-6010
Magnesium		24	mg/L			SW846-6010
Manganese		0.68	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7070
Molybdenum		0.029	mg/L			SW846-6010
Nickel		0.062	mg/L			SW846-6010
Potassium		47	mg/L			SW846-6010
Selenium	B	0.005	mg/L			SW846-6010
Silver	U	0.007	mg/L			SW846-6010
Sodium		130	mg/L			SW846-6010
Thallium	U	0.01	mg/L			SW846-6010
Tin	U	0.05	mg/L			SW846-6010
Uranium		0.25	mg/L			SW846-6010
Vanadium		0.057	mg/L			SW846-6010
Zinc		0.14	mg/L			SW846-6010
<b>PCCB</b>						
4,4'-DDD	U	0.00019	mg/L			SW846-8270
4,4'-DDE	U	0.00022	mg/L			SW846-8270
4,4'-DDT	U	0.00011	mg/L			SW846-8270
Aldrin	U	0.00035	mg/L			SW846-8270
alpha-BHC	U	0.00021	mg/L			SW846-8270
delta-BHC	U	0.0022	mg/L			SW846-8270
Dieldrin	U	0.00028	mg/L			SW846-8270
Heptachlor	U	0.00025	mg/L			SW846-8270
Lindane	U	0.00024	mg/L			SW846-8270
Methoxychlor	U	0.00016	mg/L			SW846-8270
PCB-1016	U	0.00041	mg/L			SW846-8080
PCB-1221	U	0.00022	mg/L			SW846-8080

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## 1021003

## WAG 22 (SWMUs 7 and 30) 1021003

PCB-1232	U	0.00015	mg/L	SW846-8080
PCB-1242	U	0.00067	mg/L	SW846-8080
PCB-1248		0.016	mg/L	SW846-8080
PCB-1254	U	1.6E-05	mg/L	SW846-8080
PCB-1260	U	2.5E-05	mg/L	SW846-8080

## RADS

Alpha activity		690	pCi/L	RL-7119
Alpha activity		60	pCi/L	3.7 EPA-900
Beta activity		250	pCi/L	4.8 EPA-900
Beta activity		810	pCi/L	RL-7119
Neptunium-237		0.46	pCi/L	0.19 EPA-907
Plutonium-239		0.08	pCi/L	0.08 EPA-907
Technetium-99		257	pCi/L	9.7 DNT
Thorium-230		1.36	pCi/L	0.29 EPA-907
Uranium-234		21.6	pCi/L	1.07 EPA-907
Uranium-235/236		1.57	pCi/L	0.32 EPA-907
Uranium-238		30.6	pCi/L	1.28 EPA-907

## SVOA

1,2,4,5-Tetrachlorobenzene	U	0.0043	mg/L	SW846-8270
1,2,4-Trichlorobenzene	U	0.0011	mg/L	SW846-8270
1,2-Dichlorobenzene	U	0.0002	mg/L	SW846-8260
1,2-Dichlorobenzene	U	0.00032	mg/L	SW846-8270
1,2-Diphenylhydrazine	U	0.0002	mg/L	SW846-8270
1,3-Dichlorobenzene	U	0.00036	mg/L	SW846-8270
1,3-Dichlorobenzene	U	0.00024	mg/L	SW846-8260
1,4-Dichlorobenzene	U	0.00032	mg/L	SW846-8270
1,4-Dichlorobenzene	U	0.00022	mg/L	SW846-8260
1-Chloronaphthalene	U	0.00022	mg/L	SW846-8270
1-Naphthalenamine	U	0.00026	mg/L	SW846-8270
2,3,4,6-Tetrachlorophenol	U	0.00044	mg/L	SW846-8270
2,4,5-Trichlorophenol	U	0.00019	mg/L	SW846-8270
2,4,6-Trichlorophenol	U	0.00017	mg/L	SW846-8270
2,4-Dichlorophenol	U	0.00016	mg/L	SW846-8270
2,4-Dimethylphenol		0.24	mg/L	SW846-8270
2,4-Dinitrophenol	U	0.012	mg/L	SW846-8270
2,4-Dinitrotoluene	U	0.00007	mg/L	SW846-8270
2,6-Dichlorophenol	U	0.0005	mg/L	SW846-8270
2,6-Dinitrotoluene	U	0.00022	mg/L	SW846-8270
2-Chloronaphthalene	U	0.00012	mg/L	SW846-8270
2-Chlorophenol	U	0.00027	mg/L	SW846-8270
2-Methyl-4,6-dinitrophenol	U	0.0034	mg/L	SW846-8270
2-Methylnaphthalene	J	0.0075	mg/L	SW846-8270
2-Methylphenol		0.01	mg/L	SW846-8270
2-Methylpyridine	U	0.0034	mg/L	SW846-8270
2-Naphthalenamine	U	0.00029	mg/L	SW846-8270
2-Nitrobenzenamine	U	0.00011	mg/L	SW846-8270
2-Nitrophenol	U	0.00024	mg/L	SW846-8270
3,3'-Dichlorobenzidine	U	0.004	mg/L	SW846-8270
3-Methylcholanthrene	U	0.00016	mg/L	SW846-8270
3-Nitrobenzenamine	U	0.00015	mg/L	SW846-8270
4-Aminobiphenyl	U	0.00055	mg/L	SW846-8270
4-Bromophenyl phenyl ether	U	0.00022	mg/L	SW846-8270
4-Chloro-3-methylphenol	U	0.00028	mg/L	SW846-8270
4-Chlorobenzenamine	U	0.00077	mg/L	SW846-8270
4-Chlorophenyl phenyl ether	U	0.00023	mg/L	SW846-8270

## WB-7

## 1021003

## WAG 22 (SWMUs 7 and 30) 1021003

4-Methylphenol	U	0.00018	mg/L	SW846-8270
4-Nitrobenzenamine	U	0.0012	mg/L	SW846-8270
4-Nitrophenol	U	0.00039	mg/L	SW846-8270
7,12-Dimethylbenz(a)anthracene	U	0.0058	mg/L	SW846-8270
a,a-Dimethylphenethylamine	U	0.0041	mg/L	SW846-8270
Acenaphthene	U	0.00021	mg/L	SW846-8270
Acenaphthylene	U	0.00011	mg/L	SW846-8270
Acetophenone	U	0.00012	mg/L	SW846-8270
Aniline	U	0.00026	mg/L	SW846-8270
Anthracene	U	0.00024	mg/L	SW846-8270
Benz(a)anthracene	U	0.00019	mg/L	SW846-8270
Benzenemethanol	U	0.00029	mg/L	SW846-8270
Benzidine	U	0.038	mg/L	SW846-8270
Benzo(a)pyrene	U	0.00015	mg/L	SW846-8270
Benzo(b)fluoranthene	U	0.00016	mg/L	SW846-8270
Benzo(ghi)perylene	U	0.00032	mg/L	SW846-8270
Benzo(k)fluoranthene	U	0.00016	mg/L	SW846-8270
Benzoic acid	U	0.0066	mg/L	SW846-8270
Bis(2-chloroethoxy)methane	U	0.00025	mg/L	SW846-8270
Bis(2-chloroethyl) ether	U	0.00029	mg/L	SW846-8270
Bis(2-chloroisopropyl) ether	U	0.00035	mg/L	SW846-8270
Bis(2-ethylhexyl)phthalate	U	0.0003	mg/L	SW846-8270
Butyl benzyl phthalate	U	0.00064	mg/L	SW846-8270
Chrysene	U	0.00021	mg/L	SW846-8270
Dibenz(a,h)anthracene	U	0.00028	mg/L	SW846-8270
Dibenzofuran	J	0.00073	mg/L	SW846-8270
Diethyl phthalate	J	0.00051	mg/L	SW846-8270
Dimethyl phthalate	U	0.00009	mg/L	SW846-8270
Di-n-butyl phthalate	J	0.0011	mg/L	SW846-8270
Di-n-octylphthalate	U	0.00015	mg/L	SW846-8270
Ethyl methanesulfonate	U	0.0015	mg/L	SW846-8270
Fluoranthene	U	0.00023	mg/L	SW846-8270
Fluorene	J	0.00071	mg/L	SW846-8270
Hexachlorobenzene	U	0.00021	mg/L	SW846-8270
Hexachlorobutadiene	U	0.0003	mg/L	SW846-8270
Hexachlorocyclopentadiene	U	0.00017	mg/L	SW846-8270
Hexachloroethane	U	0.00035	mg/L	SW846-8270
Indeno(1,2,3-cd)pyrene	U	0.00022	mg/L	SW846-8270
Isophorone	U	0.00022	mg/L	SW846-8270
Methyl methanesulfonate	U	0.00024	mg/L	SW846-8270
Naphthalene	J	0.0042	mg/L	SW846-8270
Nitrobenzene	U	0.00036	mg/L	SW846-8270
N-Nitrosodimethylamine	U	0.00023	mg/L	SW846-8270
N-Nitroso-di-n-propylamine	U	0.00027	mg/L	SW846-8270
N-Nitrosodiphenylamine	U	0.00012	mg/L	SW846-8270
N-Nitrosopiperidine	U	0.0013	mg/L	SW846-8270
p-Dimethylaminoazobenzene	U	0.012	mg/L	SW846-8270
Pentachlorobenzene	U	0.002	mg/L	SW846-8270
Pentachloronitrobenzene	U	0.0047	mg/L	SW846-8270
Pentachlorophenol	U	0.00024	mg/L	SW846-8270
Phenacetin	U	0.00011	mg/L	SW846-8270
Phenanthrene	J	0.0022	mg/L	SW846-8270
Phenol	U	0.00062	mg/L	SW846-8270
Pronamide	U	0.0053	mg/L	SW846-8270
Pyrene	J	0.00081	mg/L	SW846-8270

## WB-7

## 1021003

## WAG 22 (SWMUs 7 and 30) 1021003

Pyridine	U	0.00047	mg/L	SW846-8270
<b>VOA</b>				
1,1,1-Trichloroethane	U	0.00036	mg/L	SW846-8260
1,1,1,2-Tetrachloroethane	U	0.0012	mg/L	SW846-8260
1,1,2-Trichloro-1,2,2-trifluoroethane	U	0.00036	mg/L	SW846-8260
1,1,2-Trichloroethane	U	0.00053	mg/L	SW846-8260
1,1-Dichloroethane	J	0.00063	mg/L	SW846-8260
1,1-Dichloroethene	U	0.00044	mg/L	SW846-8260
1,2-Dichloroethane	U	0.00027	mg/L	SW846-8260
1,2-Dichloropropane	U	0.00026	mg/L	SW846-8260
2-Butanone	U	0.0034	mg/L	SW846-8260
2-Hexanone	U	0.0011	mg/L	SW846-8260
4-Methyl-2-pentanone	J	0.0016	mg/L	SW846-8260
Acetone	U	0.0014	mg/L	SW846-8260
Benzene		0.0021	mg/L	SW846-8260
Bromodichloromethane	U	0.0005	mg/L	SW846-8260
Bromoform	U	0.00044	mg/L	SW846-8260
Bromomethane	U	0.00025	mg/L	SW846-8260
Carbon disulfide	U	0.00033	mg/L	SW846-8260
Carbon tetrachloride	U	0.00035	mg/L	SW846-8260
Chlorobenzene	U	0.00049	mg/L	SW846-8260
Chloroethane	U	0.0014	mg/L	SW846-8260
Chloroform	U	0.00041	mg/L	SW846-8260
Chloromethane	U	0.00037	mg/L	SW846-8260
cis-1,2-Dichloroethene	J	0.0036	mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.0004	mg/L	SW846-8260
Dibromochloromethane	U	0.00043	mg/L	SW846-8260
Ethylbenzene		0.0053	mg/L	SW846-8260
Methylene chloride	U	0.00035	mg/L	SW846-8260
Styrene	U	0.0004	mg/L	SW846-8260
Tetrachloroethene	U	0.00035	mg/L	SW846-8260
Toluene		0.013	mg/L	SW846-8260
Total Xylene		0.024	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.00048	mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.00047	mg/L	SW846-8260
Trichloroethene	J	0.00071	mg/L	SW846-8260
Vinyl chloride		0.018	mg/L	SW846-8260



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WB-8

1021003

WAG 22 (SWMUs 7 and 30) 1021003

W08611

Collected: 7/17/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Alkalinity		770	mg/L			EPA-310.2
Alkalinity as CO3	U	10	mg/L CaC			EPA-310.2
Alkalinity as HCO3		770	mg/L CaC			EPA-310.2
Chloride		90	mg/L			EPA-300
Cyanide	U	0.01	mg/L			SW846-9012
Fluoride		49	mg/L			EPA-300
Nitrate/Nitrite		0.2	mg/L			EPA-353.2
Sulfate		0.55	mg/L			EPA-300
Total Organic Carbon (TOC)	D	23.3	mg/L			SW846-9060
<b>METAL</b>						
Aluminum		4.4	mg/L			SW846-6010
Antimony	U	0.003	mg/L			SW846-7041
Arsenic		0.033	mg/L			SW846-6010
Barium		0.19	mg/L			SW846-6010
Beryllium		0.0003	mg/L			SW846-6010
Cadmium	U	0.004	mg/L			SW846-6010
Calcium		17	mg/L			SW846-6010
Chromium		0.015	mg/L			SW846-6010
Cobalt	B	0.0051	mg/L			SW846-6010
Copper		0.022	mg/L			SW846-6010
Iron		3.9	mg/L			SW846-6010
Lead		0.012	mg/L			SW846-6010
Magnesium		32	mg/L			SW846-6010
Manganese		0.41	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7070
Molybdenum		0.17	mg/L			SW846-6010
Nickel		0.036	mg/L			SW846-6010
Potassium		130	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-6010
Silver	B	0.0058	mg/L			SW846-6010
Sodium		300	mg/L			SW846-6010
Thallium	U	0.01	mg/L			SW846-6010
Tin	U	0.05	mg/L			SW846-6010
Uranium		0.19	mg/L			SW846-6010
Vanadium		0.0083	mg/L			SW846-6010
Zinc		0.13	mg/L			SW846-6010
<b>PCCB</b>						
4,4'-DDD	U	0.00019	mg/L			SW846-8270
4,4'-DDE	U	0.00022	mg/L			SW846-8270
4,4'-DDT	U	0.00011	mg/L			SW846-8270
Aldrin	U	0.00035	mg/L			SW846-8270
alpha-BHC	U	0.00021	mg/L			SW846-8270
delta-BHC	U	0.0022	mg/L			SW846-8270
Dieldrin	U	0.00028	mg/L			SW846-8270
Heptachlor	U	0.00025	mg/L			SW846-8270
Lindane	U	0.00024	mg/L			SW846-8270
Methoxychlor	U	0.00016	mg/L			SW846-8270
PCB-1016	U	0.00041	mg/L			SW846-8080
PCB-1221	U	0.00022	mg/L			SW846-8080

\*QUALIFIER Codes See attached List.

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## 1021003

## WAG 22 (SWMUs 7 and 30) 1021003

PCB-1232	U	0.00015	mg/L	SW846-8080
PCB-1242	U	0.00067	mg/L	SW846-8080
PCB-1248	J	0.00089	mg/L	SW846-8080
PCB-1254	U	1.6E-05	mg/L	SW846-8080
PCB-1260	U	2.5E-05	mg/L	SW846-8080

## RADS

Alpha activity		94	pCi/L	5.9	EPA-900
Alpha activity		180	pCi/L		RL-7119
Beta activity		290	pCi/L	7.1	EPA-900
Beta activity		360	pCi/L		RL-7119
Neptunium-237		0.1	pCi/L	0.11	EPA-907
Plutonium-239		0.08	pCi/L	0.07	EPA-907
Technetium-99		230	pCi/L	9.46	DNT
Thorium-230		1.55	pCi/L	0.36	EPA-907
Uranium-234		44.9	pCi/L	1.45	EPA-907
Uranium-235/236		3.66	pCi/L	0.46	EPA-907
Uranium-238		54.6	pCi/L	1.59	EPA-907

## SVOA

1,2,4,5-Tetrachlorobenzene	U	0.0043	mg/L	SW846-8270
1,2,4-Trichlorobenzene	U	0.0011	mg/L	SW846-8270
1,2-Dichlorobenzene	U	0.00032	mg/L	SW846-8270
1,2-Dichlorobenzene	U	0.0002	mg/L	SW846-8260
1,2-Diphenylhydrazine	U	0.0002	mg/L	SW846-8270
1,3-Dichlorobenzene	U	0.00036	mg/L	SW846-8270
1,3-Dichlorobenzene	U	0.00024	mg/L	SW846-8260
1,4-Dichlorobenzene	U	0.00032	mg/L	SW846-8270
1,4-Dichlorobenzene	U	0.00022	mg/L	SW846-8260
1-Chloronaphthalene	U	0.00022	mg/L	SW846-8270
1-Naphthalenamine	U	0.00026	mg/L	SW846-8270
2,3,4,6-Tetrachlorophenol	U	0.00044	mg/L	SW846-8270
2,4,5-Trichlorophenol	U	0.00019	mg/L	SW846-8270
2,4,6-Trichlorophenol	U	0.00017	mg/L	SW846-8270
2,4-Dichlorophenol	U	0.00016	mg/L	SW846-8270
2,4-Dimethylphenol		0.15	mg/L	SW846-8270
2,4-Dinitrophenol	U	0.012	mg/L	SW846-8270
2,4-Dinitrotoluene	U	0.00007	mg/L	SW846-8270
2,6-Dichlorophenol	U	0.0005	mg/L	SW846-8270
2,6-Dinitrotoluene	U	0.00022	mg/L	SW846-8270
2-Chloronaphthalene	U	0.00012	mg/L	SW846-8270
2-Chlorophenol	U	0.00027	mg/L	SW846-8270
2-Methyl-4,6-dinitrophenol	U	0.0034	mg/L	SW846-8270
2-Methylnaphthalene	J	0.00094	mg/L	SW846-8270
2-Methylphenol	J	0.0035	mg/L	SW846-8270
2-Methylpyridine	U	0.0034	mg/L	SW846-8270
2-Naphthalenamine	U	0.00029	mg/L	SW846-8270
2-Nitrobenzenamine	U	0.00011	mg/L	SW846-8270
2-Nitrophenol	U	0.00024	mg/L	SW846-8270
3,3'-Dichlorobenzidine	U	0.004	mg/L	SW846-8270
3-Methylcholanthrene	U	0.00016	mg/L	SW846-8270
3-Nitrobenzenamine	U	0.00015	mg/L	SW846-8270
4-Aminobiphenyl	U	0.00055	mg/L	SW846-8270
4-Bromophenyl phenyl ether	U	0.00022	mg/L	SW846-8270
4-Chloro-3-methylphenol	U	0.00028	mg/L	SW846-8270
4-Chlorobenzenamine	U	0.00077	mg/L	SW846-8270
4-Chlorophenyl phenyl ether	U	0.00023	mg/L	SW846-8270

## WB-8

## 1021003

## WAG 22 (SWMUs 7 and 30) 1021003

4-Methylphenol	U	0.00018	mg/L	SW846-8270
4-Nitrobenzenamine	U	0.0012	mg/L	SW846-8270
4-Nitrophenol	U	0.00039	mg/L	SW846-8270
7,12-Dimethylbenz(a)anthracene	U	0.0058	mg/L	SW846-8270
a,a-Dimethylphenethylamine	U	0.0041	mg/L	SW846-8270
Acenaphthene	U	0.00021	mg/L	SW846-8270
Acenaphthylene	U	0.00011	mg/L	SW846-8270
Acetophenone	U	0.00012	mg/L	SW846-8270
Aniline	U	0.00026	mg/L	SW846-8270
Anthracene	U	0.00024	mg/L	SW846-8270
Benz(a)anthracene	U	0.00019	mg/L	SW846-8270
Benzenemethanol	U	0.00029	mg/L	SW846-8270
Benzidine	U	0.038	mg/L	SW846-8270
Benzo(a)pyrene	U	0.00015	mg/L	SW846-8270
Benzo(b)fluoranthene	U	0.00016	mg/L	SW846-8270
Benzo(ghi)perylene	U	0.00032	mg/L	SW846-8270
Benzo(k)fluoranthene	U	0.00016	mg/L	SW846-8270
Benzoic acid	U	0.0066	mg/L	SW846-8270
Bis(2-chloroethoxy)methane	U	0.00025	mg/L	SW846-8270
Bis(2-chloroethyl) ether	U	0.00029	mg/L	SW846-8270
Bis(2-chloroisopropyl) ether	U	0.00035	mg/L	SW846-8270
Bis(2-ethylhexyl)phthalate	U	0.0003	mg/L	SW846-8270
Butyl benzyl phthalate	U	0.00064	mg/L	SW846-8270
Chrysene	U	0.00021	mg/L	SW846-8270
Dibenz(a,h)anthracene	U	0.00028	mg/L	SW846-8270
Dibenzofuran	U	0.00011	mg/L	SW846-8270
Diethyl phthalate	J	0.0019	mg/L	SW846-8270
Dimethyl phthalate	U	0.00009	mg/L	SW846-8270
Di-n-butyl phthalate	J	0.0011	mg/L	SW846-8270
Di-n-octylphthalate	U	0.00015	mg/L	SW846-8270
Ethyl methanesulfonate	U	0.0015	mg/L	SW846-8270
Fluoranthene	U	0.00023	mg/L	SW846-8270
Fluorene	J	0.00041	mg/L	SW846-8270
Hexachlorobenzene	U	0.00021	mg/L	SW846-8270
Hexachlorobutadiene	U	0.0003	mg/L	SW846-8270
Hexachlorocyclopentadiene	U	0.00017	mg/L	SW846-8270
Hexachloroethane	U	0.00035	mg/L	SW846-8270
Indeno(1,2,3-cd)pyrene	U	0.00022	mg/L	SW846-8270
Isophorone	U	0.00022	mg/L	SW846-8270
Methyl methanesulfonate	U	0.00024	mg/L	SW846-8270
Naphthalene	J	0.0037	mg/L	SW846-8270
Nitrobenzene	U	0.00036	mg/L	SW846-8270
N-Nitrosodimethylamine	U	0.00023	mg/L	SW846-8270
N-Nitroso-di-n-propylamine	U	0.00027	mg/L	SW846-8270
N-Nitrosodiphenylamine	U	0.00012	mg/L	SW846-8270
N-Nitrosopiperidine	U	0.0013	mg/L	SW846-8270
p-Dimethylaminoazobenzene	U	0.012	mg/L	SW846-8270
Pentachlorobenzene	U	0.002	mg/L	SW846-8270
Pentachloronitrobenzene	U	0.0047	mg/L	SW846-8270
Pentachlorophenol	U	0.00024	mg/L	SW846-8270
Phenacetin	U	0.00011	mg/L	SW846-8270
Phenanthrene	J	0.00041	mg/L	SW846-8270
Phenol	U	0.00062	mg/L	SW846-8270
Pronamide	U	0.0053	mg/L	SW846-8270
Pyrene	U	0.00025	mg/L	SW846-8270

## WB-8

## 1021003

## WAG 22 (SWMUs 7 and 30) 1021003

Pyridine	U	0.00047	mg/L	SW846-8270
<b>VOA</b>				
1,1,1-Trichloroethane	U	0.00036	mg/L	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.0012	mg/L	SW846-8260
1,1,2-Trichloro-1,2,2-trifluoroethane	U	0.00036	mg/L	SW846-8260
1,1,2-Trichloroethane	U	0.00053	mg/L	SW846-8260
1,1-Dichloroethane		0.02	mg/L	SW846-8260
1,1-Dichloroethene	U	0.00044	mg/L	SW846-8260
1,2-Dichloroethane	U	0.00027	mg/L	SW846-8260
1,2-Dichloropropane	U	0.00026	mg/L	SW846-8260
2-Butanone	U	0.0034	mg/L	SW846-8260
2-Hexanone	U	0.0011	mg/L	SW846-8260
4-Methyl-2-pentanone	U	0.0011	mg/L	SW846-8260
Acetone	U	0.0014	mg/L	SW846-8260
Benzene		0.003	mg/L	SW846-8260
Bromodichloromethane	U	0.0005	mg/L	SW846-8260
Bromoform	U	0.00044	mg/L	SW846-8260
Bromomethane	U	0.00025	mg/L	SW846-8260
Carbon disulfide	U	0.00033	mg/L	SW846-8260
Carbon tetrachloride	U	0.00035	mg/L	SW846-8260
Chlorobenzene	U	0.00049	mg/L	SW846-8260
Chloroethane		0.019	mg/L	SW846-8260
Chloroform	U	0.00041	mg/L	SW846-8260
Chloromethane	U	0.00037	mg/L	SW846-8260
cis-1,2-Dichloroethene	J	0.0018	mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.0004	mg/L	SW846-8260
Dibromochloromethane	U	0.00043	mg/L	SW846-8260
Ethylbenzene		0.012	mg/L	SW846-8260
Methylene chloride	U	0.00035	mg/L	SW846-8260
Styrene	U	0.0004	mg/L	SW846-8260
Tetrachloroethene	U	0.00035	mg/L	SW846-8260
Toluene		0.0038	mg/L	SW846-8260
Total Xylene		0.054	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.00048	mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.00047	mg/L	SW846-8260
Trichloroethene	U	0.00039	mg/L	SW846-8260
Vinyl chloride	J	0.0024	mg/L	SW846-8260

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WB-9

1021003

WAG 22 (SWMUs 7 and 30) 1021003

W09611

Collected: 7/11/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Alkalinity		630	mg/L			EPA-310.2
Alkalinity as CO3	U	10	mg/L CaC			EPA-310.2
Alkalinity as HCO3		630	mg/L CaC			EPA-310.2
Chloride		140	mg/L			EPA-300
Cyanide	U	0.01	mg/L			SW846-9012
Fluoride		14	mg/L			EPA-300
Nitrate/Nitrite	U	0.2	mg/L			EPA-353.2
Sulfate		71	mg/L			EPA-300
Total Organic Carbon (TOC)	D	11.6	mg/L			SW846-9060
<b>METAL</b>						
Aluminum		1300	mg/L			SW846-6010
Antimony	B	0.0027	mg/L			SW846-7041
Arsenic		0.31	mg/L			SW846-6010
Barium		9.2	mg/L			SW846-6010
Beryllium		0.039	mg/L			SW846-6010
Cadmium		0.03	mg/L			SW846-6010
Calcium		4600	mg/L			SW846-6010
Chromium		1.5	mg/L			SW846-6010
Cobalt		0.46	mg/L			SW846-6010
Copper		1.8	mg/L			SW846-6010
Iron		1200	mg/L			SW846-6010
Lead		0.73	mg/L			SW846-6010
Magnesium		240	mg/L			SW846-6010
Manganese		28	mg/L			SW846-6010
Mercury		0.0028	mg/L			SW846-7070
Molybdenum		0.1	mg/L			SW846-6010
Nickel		7.6	mg/L			SW846-6010
Potassium		72	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-6010
Silver	U	0.007	mg/L			SW846-6010
Sodium		240	mg/L			SW846-6010
Thallium	U	0.01	mg/L			SW846-6010
Tin		0.21	mg/L			SW846-6010
Uranium		14	mg/L			SW846-6010
Vanadium		1.8	mg/L			SW846-6010
Zinc		4	mg/L			SW846-6010
<b>PCCB</b>						
4,4'-DDD	U	0.00019	mg/L			SW846-8270
4,4'-DDE	U	0.00022	mg/L			SW846-8270
4,4'-DDT	U	0.00011	mg/L			SW846-8270
Aldrin	U	0.00035	mg/L			SW846-8270
alpha-BHC	U	0.00021	mg/L			SW846-8270
beta-BHC	U	0.00054	mg/L			SW846-8270
delta-BHC	U	0.0022	mg/L			SW846-8270
Dieldrin	U	0.00028	mg/L			SW846-8270
Heptachlor	U	0.00025	mg/L			SW846-8270
Lindane	U	0.00024	mg/L			SW846-8270
Methoxychlor	U	0.00016	mg/L			SW846-8270
PCB-1016	U	0.00041	mg/L			SW846-8080

\*QUALIFIER Codes See attached List.

## WB-9

## 1021003

## WAG 22 (SWMUs 7 and 30) 1021003

PCB-1221	U	0.00022	mg/L		SW846-8080
PCB-1232	U	0.00015	mg/L		SW846-8080
PCB-1242	U	0.00067	mg/L		SW846-8080
PCB-1248	U	0.00029	mg/L		SW846-8080
PCB-1254	J	0.00089	mg/L		SW846-8080
PCB-1260	U	2.5E-05	mg/L		SW846-8080

## RADS

Alpha activity		590	pCi/L		RL-7119
Alpha activity		65	pCi/L	6.5	EPA-900
Beta activity		340	pCi/L		RL-7119
Beta activity		110	pCi/L	7	EPA-900
Neptunium-237		0.82	pCi/L	1.04	EPA-907
Plutonium-239		0.44	pCi/L	0.3	EPA-907
Technetium-99		92.1	pCi/L	8.1	DNT
Thorium-230		5.98	pCi/L	1.33	EPA-907
Uranium-234		555	pCi/L	13.8	EPA-907
Uranium-235/236		56.4	pCi/L	4.89	EPA-907
Uranium-238		1760	pCi/L	24.5	EPA-907

## SVOA

1,2,4,5-Tetrachlorobenzene	U	0.0043	mg/L		SW846-8270
1,2,4-Trichlorobenzene	U	0.0011	mg/L		SW846-8270
1,2-Dichlorobenzene	U	0.00032	mg/L		SW846-8270
1,2-Dichlorobenzene	U	0.0002	mg/L		SW846-8260
1,2-Diphenylhydrazine	U	0.0002	mg/L		SW846-8270
1,3-Dichlorobenzene	U	0.00036	mg/L		SW846-8270
1,3-Dichlorobenzene	U	0.00024	mg/L		SW846-8260
1,4-Dichlorobenzene	J	0.00074	mg/L		SW846-8270
1,4-Dichlorobenzene	J	0.00052	mg/L		SW846-8260
1-Chloronaphthalene	U	0.00022	mg/L		SW846-8270
1-Naphthalenamine	U	0.00026	mg/L		SW846-8270
2,3,4,6-Tetrachlorophenol	U	0.00044	mg/L		SW846-8270
2,4,5-Trichlorophenol	U	0.00019	mg/L		SW846-8270
2,4,6-Trichlorophenol	U	0.00017	mg/L		SW846-8270
2,4-Dichlorophenol	U	0.00016	mg/L		SW846-8270
2,4-Dimethylphenol	J	0.0014	mg/L		SW846-8270
2,4-Dinitrophenol	U	0.012	mg/L		SW846-8270
2,4-Dinitrotoluene	U	0.00007	mg/L		SW846-8270
2,6-Dichlorophenol	U	0.0005	mg/L		SW846-8270
2,6-Dinitrotoluene	U	0.00022	mg/L		SW846-8270
2-Chloronaphthalene	U	0.00012	mg/L		SW846-8270
2-Chlorophenol	U	0.00027	mg/L		SW846-8270
2-Methyl-4,6-dinitrophenol	U	0.0034	mg/L		SW846-8270
2-Methylnaphthalene	U	0.00029	mg/L		SW846-8270
2-Methylphenol	U	0.0002	mg/L		SW846-8270
2-Methylpyridine	U	0.0034	mg/L		SW846-8270
2-Naphthalenamine	U	0.00029	mg/L		SW846-8270
2-Nitrobenzenamine	U	0.00011	mg/L		SW846-8270
2-Nitrophenol	U	0.00024	mg/L		SW846-8270
3,3'-Dichlorobenzidine	U	0.004	mg/L		SW846-8270
3-Methylcholanthrene	U	0.00016	mg/L		SW846-8270
3-Nitrobenzenamine	U	0.00015	mg/L		SW846-8270
4-Aminobiphenyl	U	0.00055	mg/L		SW846-8270
4-Bromophenyl phenyl ether	U	0.00022	mg/L		SW846-8270
4-Chloro-3-methylphenol	U	0.00028	mg/L		SW846-8270
4-Chlorobenzenamine	U	0.00077	mg/L		SW846-8270

## WB-9

## 1021003

## WAG 22 (SWMUs 7 and 30) 1021003

4-Chlorophenyl phenyl ether	U	0.00023	mg/L	SW846-8270
4-Methylphenol	U	0.00018	mg/L	SW846-8270
4-Nitrobenzenamine	U	0.0012	mg/L	SW846-8270
4-Nitrophenol	U	0.00039	mg/L	SW846-8270
7,12-Dimethylbenz(a)anthracene	U	0.0058	mg/L	SW846-8270
a,a-Dimethylphenethylamine	U	0.0041	mg/L	SW846-8270
Acenaphthene	U	0.00021	mg/L	SW846-8270
Acenaphthylene	U	0.00011	mg/L	SW846-8270
Acetophenone	U	0.00012	mg/L	SW846-8270
Aniline	U	0.00026	mg/L	SW846-8270
Anthracene	U	0.00024	mg/L	SW846-8270
Benz(a)anthracene	U	0.00019	mg/L	SW846-8270
Benzenemethanol	U	0.00029	mg/L	SW846-8270
Benzidine	U	0.038	mg/L	SW846-8270
Benzo(a)pyrene	U	0.00015	mg/L	SW846-8270
Benzo(b)fluoranthene	U	0.00016	mg/L	SW846-8270
Benzo(ghi)perylene	U	0.00032	mg/L	SW846-8270
Benzo(k)fluoranthene	U	0.00016	mg/L	SW846-8270
Benzoic acid	U	0.0066	mg/L	SW846-8270
Bis(2-chloroethoxy)methane	U	0.00025	mg/L	SW846-8270
Bis(2-chloroethyl) ether	U	0.00029	mg/L	SW846-8270
Bis(2-chloroisopropyl) ether	U	0.00035	mg/L	SW846-8270
Bis(2-ethylhexyl)phthalate	U	0.0003	mg/L	SW846-8270
Butyl benzyl phthalate	U	0.00064	mg/L	SW846-8270
Chrysene	U	0.00021	mg/L	SW846-8270
Dibenz(a,h)anthracene	U	0.00028	mg/L	SW846-8270
Dibenzofuran	U	0.00011	mg/L	SW846-8270
Diethyl phthalate	J	0.00094	mg/L	SW846-8270
Dimethyl phthalate	U	0.00009	mg/L	SW846-8270
Di-n-butyl phthalate	BJ	0.0011	mg/L	SW846-8270
Di-n-octylphthalate	U	0.00015	mg/L	SW846-8270
Ethyl methanesulfonate	U	0.0015	mg/L	SW846-8270
Fluoranthene	U	0.00023	mg/L	SW846-8270
Fluorene	U	0.00022	mg/L	SW846-8270
Hexachlorobenzene	U	0.00021	mg/L	SW846-8270
Hexachlorobutadiene	U	0.0003	mg/L	SW846-8270
Hexachlorocyclopentadiene	U	0.00017	mg/L	SW846-8270
Hexachloroethane	U	0.00035	mg/L	SW846-8270
Indeno(1,2,3-cd)pyrene	U	0.00022	mg/L	SW846-8270
Isophorone	U	0.00022	mg/L	SW846-8270
Methyl methanesulfonate	U	0.00024	mg/L	SW846-8270
Naphthalene	U	0.00029	mg/L	SW846-8270
Nitrobenzene	U	0.00036	mg/L	SW846-8270
N-Nitrosodimethylamine	U	0.00023	mg/L	SW846-8270
N-Nitroso-di-n-propylamine	U	0.00027	mg/L	SW846-8270
N-Nitrosodiphenylamine	U	0.00012	mg/L	SW846-8270
N-Nitrosopiperidine	U	0.0013	mg/L	SW846-8270
p-Dimethylaminoazobenzene	U	0.012	mg/L	SW846-8270
Pentachlorobenzene	U	0.002	mg/L	SW846-8270
Pentachloronitrobenzene	U	0.0047	mg/L	SW846-8270
Pentachlorophenol	U	0.00024	mg/L	SW846-8270
Phenacetin	U	0.00011	mg/L	SW846-8270
Phenanthrene	U	0.00021	mg/L	SW846-8270
Phenol	U	0.00062	mg/L	SW846-8270
Pronamide	U	0.0053	mg/L	SW846-8270

## WB-9

## 1021003

## WAG 22 (SWMUs 7 and 30) 1021003

Pyrene	J	0.0012	mg/L	SW846-8270
Pyridine	U	0.00047	mg/L	SW846-8270
<b>VOA</b>				
1,1,1-Trichloroethane	U	0.00036	mg/L	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.0012	mg/L	SW846-8260
1,1,2-Trichloro-1,2,2-trifluoroethane	U	0.00036	mg/L	SW846-8260
1,1,2-Trichloroethane	U	0.00053	mg/L	SW846-8260
1,1-Dichloroethane	J	0.0016	mg/L	SW846-8260
1,1-Dichloroethene	U	0.00044	mg/L	SW846-8260
1,2-Dichloroethane	U	0.00027	mg/L	SW846-8260
1,2-Dichloropropane	U	0.00026	mg/L	SW846-8260
2-Butanone	U	0.0034	mg/L	SW846-8260
2-Hexanone	U	0.0011	mg/L	SW846-8260
4-Methyl-2-pentanone	U	0.0011	mg/L	SW846-8260
Acetone		0.016	mg/L	SW846-8260
Benzene	J	0.00074	mg/L	SW846-8260
Bromodichloromethane	U	0.0005	mg/L	SW846-8260
Bromoform	U	0.00044	mg/L	SW846-8260
Bromomethane	U	0.00025	mg/L	SW846-8260
Carbon disulfide	U	0.00033	mg/L	SW846-8260
Carbon tetrachloride	U	0.00035	mg/L	SW846-8260
Chlorobenzene	U	0.00049	mg/L	SW846-8260
Chloroethane	U	0.0014	mg/L	SW846-8260
Chloroform	U	0.00041	mg/L	SW846-8260
Chloromethane	U	0.00037	mg/L	SW846-8260
cis-1,2-Dichloroethene	U	0.00047	mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.0004	mg/L	SW846-8260
Dibromochloromethane	U	0.00043	mg/L	SW846-8260
Ethylbenzene	U	0.00044	mg/L	SW846-8260
Methylene chloride	U	0.00035	mg/L	SW846-8260
Styrene	U	0.0004	mg/L	SW846-8260
Tetrachloroethene	U	0.00035	mg/L	SW846-8260
Toluene	J	0.00096	mg/L	SW846-8260
Total Xylene	U	0.0013	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.00048	mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.00047	mg/L	SW846-8260
Trichloroethene	U	0.00039	mg/L	SW846-8260
Vinyl chloride	U	0.0013	mg/L	SW846-8260



# Paducah-OREIS Data Report

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12/18/2007

**MW245**

**19315**

**MW245QS2-04**

Collected: 2/9/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	B	0.38	mg/L		0.2	SW846-6010A
Aluminum, Dissolved	U	0.2	mg/L		0.2	SW846-6010A
Calcium		35.9	mg/L		1	SW846-6010A
Calcium, Dissolved	J	35.6	mg/L		1	SW846-6010A
Iron		57.1	mg/L		0.1	SW846-6010A
Iron, Dissolved		54.6	mg/L		0.1	SW846-6010A
Magnesium		14	mg/L		0.025	SW846-6010A
Magnesium, Dissolved		14	mg/L		0.025	SW846-6010A
Manganese	X	15.4	mg/L		0.1	SW846-6020
Manganese, Dissolved		15.5	mg/L		0.1	SW846-6020
Potassium		1.2	mg/L		0.2	SW846-6010A
Potassium, Dissolved		1.12	mg/L		0.2	SW846-6010A
Sodium		34.1	mg/L		2	SW846-6010A
Sodium, Dissolved	N	30.6	mg/L		2	SW846-6010A
<b>METEO</b>						
Barometric Pressure Reading		30.18	Inches/Hg			
<b>PHYSC</b>						
Conductivity		708	umho/cm			
Depth to Water		43.5	ft			
Dissolved Oxygen		0.91	mg/L			
pH		6.06	Std Unit			
Redox		-90	mV			
Temperature		58	deg F			
Turbidity		239	NTU			
<b>RADS</b>						
Alpha activity	U	8.9	pCi/L	3.88	11.8	EPA-900.0
Beta activity	U	5.74	pCi/L	1.19	7.6	EPA-900.0
Technetium-99	U	-1.31	pCi/L	0	17.6	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.01	mg/L		0.01	SW846-8260
1,1,2-Trichloroethane	U	0.01	mg/L		0.01	SW846-8260
1,1-Dichloroethane	U	0.01	mg/L		0.01	SW846-8260
1,1-Dichloroethene	UY	0.01	mg/L		0.01	SW846-8260
1,2-Dichloroethane	U	0.01	mg/L		0.01	SW846-8260
Benzene	UY	0.01	mg/L		0.01	SW846-8260
Bromodichloromethane	U	0.01	mg/L		0.01	SW846-8260
Carbon tetrachloride	U	0.01	mg/L		0.01	SW846-8260
Chloroform	U	0.01	mg/L		0.01	SW846-8260
cis-1,2-Dichloroethene	U	0.01	mg/L		0.01	SW846-8260
Ethylbenzene	U	0.01	mg/L		0.01	SW846-8260
Tetrachloroethene	U	0.01	mg/L		0.01	SW846-8260
Toluene	UY	0.01	mg/L		0.01	SW846-8260
Total Xylene	U	0.03	mg/L		0.03	SW846-8260
trans-1,2-Dichloroethene	U	0.01	mg/L		0.01	SW846-8260
Trichloroethene	DY	0.12	mg/L		0.002	SW846-8260
Vinyl chloride	U	0.004	mg/L		0.004	SW846-8260
<b>WETCHEM</b>						
Phosphate as Phosphorous	U	2	mg/L		2	SW846-9056
Silica		23	mg/L		1	EPA-370.1

**MW245**

**19315**

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# Paducah-OREIS Data Report

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12/18/2007

**MW245**  
**19316**  
**MW245QS3-04**

Collected: 5/6/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum		0.363	mg/L		0.2	SW846-6010A
Aluminum, Dissolved	U	0.2	mg/L		0.2	SW846-6010A
Calcium		40.4	mg/L		1	SW846-6010A
Calcium, Dissolved		36.3	mg/L		1	SW846-6010A
Iron		50	mg/L		0.1	SW846-6010A
Iron, Dissolved		42.6	mg/L		0.1	SW846-6010A
Magnesium		15.6	mg/L		0.025	SW846-6010A
Magnesium, Dissolved		14.4	mg/L		0.025	SW846-6010A
Manganese	*N	14.5	mg/L		0.5	SW846-6020
Manganese, Dissolved	N	28.9	mg/L		0.5	SW846-6020
Potassium		1.28	mg/L		0.2	SW846-6010A
Potassium, Dissolved		1.14	mg/L		0.2	SW846-6010A
Sodium		39.6	mg/L		2	SW846-6010A
Sodium, Dissolved		37.3	mg/L		2	SW846-6010A
<b>METEO</b>						
Barometric Pressure Reading		30	Inches/Hg			
<b>PHYSC</b>						
Conductivity		653	umho/cm			
Depth to Water		42.05	ft			
Dissolved Oxygen		0.9	mg/L			
pH		6.19	Std Unit			
Redox		-42	mV			
Temperature		63.5	deg F			
Turbidity		42.9	NTU			
<b>RADS</b>						
Alpha activity	U	6.25	pCi/L	3.34	9.81	EPA-900.0
Beta activity	U	3.41	pCi/L	0.723	7.49	EPA-900.0
Technetium-99	U	0.913	pCi/L	11.9	17.5	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.01	mg/L		0.01	SW846-8260
1,1,2-Trichloroethane	U	0.01	mg/L		0.01	SW846-8260
1,1-Dichloroethane	U	0.01	mg/L		0.01	SW846-8260
1,1-Dichloroethene	U	0.01	mg/L		0.01	SW846-8260
1,2-Dichloroethane	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.01	mg/L		0.01	SW846-8260
Bromodichloromethane	U	0.01	mg/L		0.01	SW846-8260
Carbon tetrachloride	U	0.01	mg/L		0.01	SW846-8260
Chloroform	U	0.01	mg/L		0.01	SW846-8260
cis-1,2-Dichloroethene	UX	0.01	mg/L		0.01	SW846-8260
Ethylbenzene	U	0.01	mg/L		0.01	SW846-8260
Tetrachloroethene	U	0.01	mg/L		0.01	SW846-8260
Toluene	U	0.01	mg/L		0.01	SW846-8260
Total Xylene	U	0.03	mg/L		0.03	SW846-8260
trans-1,2-Dichloroethene	U	0.01	mg/L		0.01	SW846-8260
Trichloroethene	DY	0.1	mg/L		0.002	SW846-8260
Vinyl chloride	U	0.004	mg/L		0.004	SW846-8260
<b>WETCHEM</b>						
Phosphate as Phosphorous	U	2	mg/L		2	SW846-9056
Silica		12	mg/L		1	EPA-370.1

MW245

19316

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# Paducah-OREIS Data Report

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12/18/2007

**MW66**

**19317**

**MW66M5-04**

Collected: 5/27/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METEO</b>						
Barometric Pressure Reading		29.65	Inches/Hg			
<b>PHYSC</b>						
Conductivity		207	umho/cm			
Depth to Water		43.9	ft			
Dissolved Oxygen		5.08	mg/L			
pH		6.05	Std Unit			
Redox		497	mV			
Temperature		65.6	deg F			
Turbidity		6.5	NTU			
<b>RADS</b>						
Alpha activity	U	-4.8	pCi/L	1.25	6.47	EPA-900.0
Beta activity		235	pCi/L	11.4	5.41	EPA-900.0
Technetium-99		405	pCi/L	17.8	14.6	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	JU	0.1	mg/L		0.1	SW846-8260
1,1,2-Trichloroethane	JU	0.1	mg/L		0.1	SW846-8260
1,1-Dichloroethane	JU	0.1	mg/L		0.1	SW846-8260
1,1-Dichloroethene	JU	0.1	mg/L		0.1	SW846-8260
1,2-Dichloroethane	JU	0.1	mg/L		0.1	SW846-8260
Benzene	JU	0.1	mg/L		0.1	SW846-8260
Bromodichloromethane	JU	0.1	mg/L		0.1	SW846-8260
Carbon tetrachloride	JU	0.1	mg/L		0.1	SW846-8260
Chloroform	JU	0.1	mg/L		0.1	SW846-8260
cis-1,2-Dichloroethene	JU	0.1	mg/L		0.1	SW846-8260
Ethylbenzene	JU	0.1	mg/L		0.1	SW846-8260
Tetrachloroethene	JU	0.1	mg/L		0.1	SW846-8260
Toluene	JU	0.1	mg/L		0.1	SW846-8260
Total Xylene	JU	0.3	mg/L		0.3	SW846-8260
trans-1,2-Dichloroethene	JU	0.1	mg/L		0.1	SW846-8260
Trichloroethene	DJ	0.67	mg/L		0.02	SW846-8260
Vinyl chloride	JU	0.04	mg/L		0.04	SW846-8260

# Paducah-OREIS Data Report

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12/18/2007

**MW180**

**19322**

**MW180SA2-04**

Collected: 3/17/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Uranium		0.00374	mg/L		0.001	SW846-6020
Uranium	U	0.005	mg/L		0.005	ST7106-ISOT
<b>METEO</b>						
Barometric Pressure Reading		29.91	Inches/Hg			
<b>PHYSC</b>						
Conductivity		801	umho/cm			
Depth to Water		14.85	ft			
Dissolved Oxygen		4.05	mg/L			
pH		7.18	Std Unit			
Redox		166	mV			
Temperature		59.7	deg F			
Turbidity		21.4	NTU			
<b>RADS</b>						
Alpha activity	U	3.52	pCi/L	1.17	9.37	EPA-900.0
Beta activity		180	pCi/L	10.8	6.35	EPA-900.0
Dissolved Alpha	U	2.62	pCi/L	1.05	15.3	EPA-900.0
Dissolved Beta		148	pCi/L	12.7	11.9	EPA-900.0
Potassium-40	U	1.69	pCi/L	3.38	43.6	RL-7124
Suspended Alpha	U	-2.09	pCi/L	2.09	6.98	EPA-900.0
Suspended Beta	U	0	pCi/L	0	9.56	EPA-900.0
Technetium-99		217	pCi/L	17.4	16.5	RL-7100
Thorium-228	U	0.0315	pCi/L	0.0573	0.191	RL-7120
Thorium-230	U	-0.124	pCi/L	0.0703	0.501	RL-7120
Thorium-232	U	-0.0026	pCi/L	0.0231	0.181	RL-7120
Thorium-234	U	-1.71	pCi/L	3.42	32	RL-7124
Uranium	U	40	pCi/L		40	ST7106-ISOT
Uranium-234	U	30	pCi/L		30	ST7106-ISOT
Uranium-235		NA				ST7106-ISOT
Uranium-235	U	2.2	pCi/L		2.2	ST7106-ISOT
Uranium-238		1.01	pCi/L		0.35	ST7106-ISOT
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene	U	0.001	mg/L		0.001	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260

# Paducah-OREIS Data Report

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12/18/2007

**MW182**

**19322**

**MW182SA2-04**

Collected: 3/17/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Uranium		0.129	mg/L		0.01	SW846-6020
Uranium		0.11	mg/L		0.05	ST7106-ISOT
<b>METEO</b>						
Barometric Pressure Reading		29.91	Inches/Hg			
<b>PHYSC</b>						
Conductivity		951	umho/cm			
Depth to Water		11.63	ft			
Dissolved Oxygen		1.46	mg/L			
pH		6.93	Std Unit			
Redox		17	mV			
Temperature		58.5	deg F			
Turbidity		802	NTU			
<b>RADS</b>						
Alpha activity		69.7	pCi/L	12.4	8.63	EPA-900.0
Beta activity		102	pCi/L	7.88	6.25	EPA-900.0
Dissolved Alpha		67.8	pCi/L	14.2	15.6	EPA-900.0
Dissolved Beta		107	pCi/L	10.7	12	EPA-900.0
Potassium-40	U	-8.08	pCi/L	16.2	50	RL-7124
Suspended Alpha	U	-1.12	pCi/L	0.843	6.85	EPA-900.0
Suspended Beta	U	6.35	pCi/L	1.38	9.4	EPA-900.0
Technetium-99		27.5	pCi/L	13.2	18.1	RL-7100
Thorium-228	U	0.064	pCi/L	0.0504	0.19	RL-7120
Thorium-230	U	0.461	pCi/L	0.147	0.499	RL-7120
Thorium-232	U	0.0505	pCi/L	0.0453	0.181	RL-7120
Thorium-234	U	17.5	pCi/L	35.1	40.8	RL-7124
Uranium	U	400	pCi/L		400	ST7106-ISOT
Uranium-234	U	300	pCi/L		300	ST7106-ISOT
Uranium-235		0.525	wt %			ST7106-ISOT
Uranium-235	U	22	pCi/L		22	ST7106-ISOT
Uranium-238		36.8	pCi/L		3.5	ST7106-ISOT
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene	U	0.001	mg/L		0.001	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260

# Paducah-OREIS Data Report

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**MW346**

**19322**

**MW346SA2-04**

Collected: 3/16/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Uranium	U	0.005	mg/L		0.005	ST7106-ISOT
Uranium	U	0.001	mg/L		0.001	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.8	Inches/Hg			
<b>PHYSC</b>						
Conductivity		516	umho/cm			
Depth to Water		43.67	ft			
Dissolved Oxygen		1.29	mg/L			
pH		8.8	Std Unit			
Redox		99	mV			
Temperature		56.5	deg F			
Turbidity		30	NTU			
<b>RADS</b>						
Alpha activity	U	4.17	pCi/L	2.09	7.05	EPA-900.0
Beta activity		11	pCi/L	1.88	6.77	EPA-900.0
Dissolved Alpha	U	7.75	pCi/L	3.76	11.2	EPA-900.0
Dissolved Beta		13.7	pCi/L	2.49	13.6	EPA-900.0
Potassium-40	U	-104	pCi/L	207	48.2	RL-7124
Suspended Alpha	U	0.685	pCi/L	0.518	8.11	EPA-900.0
Suspended Beta	U	-1.99	pCi/L	0.476	12.4	EPA-900.0
Technetium-99	U	7.09	pCi/L	11.4	16.6	RL-7100
Thorium-228	U	0.0153	pCi/L	0.0421	0.159	RL-7120
Thorium-230	U	0.25	pCi/L	0.128	0.44	RL-7120
Thorium-232	U	0.0341	pCi/L	0.0348	0.187	RL-7120
Thorium-234	U	-4.79	pCi/L	9.57	50	RL-7124
Uranium	U	40	pCi/L		40	ST7106-ISOT
Uranium-234	U	30	pCi/L		30	ST7106-ISOT
Uranium-235			NA			ST7106-ISOT
Uranium-235	U	2.2	pCi/L		2.2	ST7106-ISOT
Uranium-238	U	0.35	pCi/L		0.35	ST7106-ISOT
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene	U	0.001	mg/L		0.001	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260



# Paducah-OREIS Data Report

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**MW226**

**19350**

**MW226SWSIA292HS**

Collected: 7/22/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>VOA</b> Trichloroethene		0.394	mg/L		0.02	SW846-3810 E3R0

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# Paducah-OREIS Data Report

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**MW227**

**19350**

**MW227SWSIA306HS**

Collected: 7/22/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>VOA</b> Trichloroethene		0.04	mg/L		0.02	SW846-3810 E3R0

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# Paducah-OREIS Data Report

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**MW66**

**19353**

**MW66M6-04**

Collected: 6/29/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METEO</b>						
Barometric Pressure Reading		30.12	Inches/Hg			
<b>PHYSC</b>						
Conductivity		212	umho/cm			
Depth to Water		44.05	ft			
Dissolved Oxygen		7.4	mg/L			
pH		6.13	Std Unit			
Redox		284	mV			
Temperature		66.8	deg F			
Turbidity		25.8	NTU			
<b>RADS</b>						
Alpha activity	U	1.98	pCi/L	0.441	3.43	EPA-900.0
Beta activity		266	pCi/L	11.7	5.67	EPA-900.0
Technetium-99		394	pCi/L	21.5	17.4	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.1	mg/L		0.1	SW846-8260
1,1,2-Trichloroethane	U	0.1	mg/L		0.1	SW846-8260
1,1-Dichloroethane	U	0.1	mg/L		0.1	SW846-8260
1,1-Dichloroethene	U	0.1	mg/L		0.1	SW846-8260
1,2-Dichloroethane	U	0.1	mg/L		0.1	SW846-8260
Benzene	U	0.1	mg/L		0.1	SW846-8260
Bromodichloromethane	U	0.1	mg/L		0.1	SW846-8260
Carbon tetrachloride	U	0.1	mg/L		0.1	SW846-8260
Chloroform	U	0.1	mg/L		0.1	SW846-8260
cis-1,2-Dichloroethene	U	0.1	mg/L		0.1	SW846-8260
Ethylbenzene	U	0.1	mg/L		0.1	SW846-8260
Tetrachloroethene	U	0.1	mg/L		0.1	SW846-8260
Toluene	U	0.1	mg/L		0.1	SW846-8260
Total Xylene	U	0.3	mg/L		0.3	SW846-8260
trans-1,2-Dichloroethene	U	0.1	mg/L		0.1	SW846-8260
Trichloroethene	DX	0.72	mg/L		0.02	SW846-8260
Vinyl chloride	U	0.04	mg/L		0.04	SW846-8260

# Paducah-OREIS Data Report

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**MW369**

**19380**

**MW369UG4-04**

Collected: 7/13/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METEO</b>						
Barometric Pressure Reading		29.91	Inches/Hg			
<b>PHYSC</b>						
Conductivity		416	umho/cm			
Depth to Water		37.65	ft			
Dissolved Oxygen		1.1	mg/L			
pH		6.16	Std Unit			
Redox		243	mV			
Temperature		63.9	deg F			
Turbidity		16.5	NTU			
<b>RADS</b>						
Radium-226	U	0.256	pCi/L	0.23	0.64	RL-7129

# Paducah-OREIS Data Report

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**MW370**

**19380**

**MW370UG4-04**

Collected: 7/13/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METEO</b>						
Barometric Pressure Reading		29.91	Inches/Hg			
<b>PHYSC</b>						
Conductivity		453	umho/cm			
Depth to Water		38.55	ft			
Dissolved Oxygen		1.02	mg/L			
pH		6.04	Std Unit			
Redox		293	mV			
Temperature		65.6	deg F			
Turbidity		16.7	NTU			
<b>RADS</b>						
Radium-226	U	0.532	pCi/L	0.32	0.7	RL-7129

# Paducah-OREIS Data Report

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**MW371**

**19380**

**MW371UG4-04**

Collected: 7/13/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METEO</b>						
Barometric Pressure Reading		29.91	Inches/Hg			
<b>PHYSC</b>						
Conductivity		682	umho/cm			
Depth to Water		22.67	ft			
Dissolved Oxygen		1.45	mg/L			
pH		6.63	Std Unit			
Redox		296	mV			
Temperature		66.1	deg F			
Turbidity		3.3	NTU			
<b>RADS</b>						
Radium-226	U	-0.149	pCi/L	0.22	0.72	RL-7129

# Paducah-OREIS Data Report

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**MW226**

**19395**

**MW226C4042-04**

Collected: 7/27/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Arsenic	U	0.005	mg/L		0.005	SW846-7060
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium		0.122	mg/L		0.02	SW846-6010A
Chromium, Dissolved	BU	0.025	mg/L		0.02	SW846-6010A
Lead	U	0.05	mg/L		0.05	SW846-7421 E3R0
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Selenium	UW	0.01	mg/L		0.01	SW846-7740
Uranium	U	1	mg/L		1	AS7300
Uranium, Dissolved	*NU	0.001	mg/L		0.001	IN7105
<b>METEO</b>						
Barometric Pressure Reading		30.03	Inches/Hg			
<b>PHYSC</b>						
Conductivity		353	umho/cm			
Depth to Water		50.83	ft			
Dissolved Oxygen		1.06	mg/L			
pH		5.89	Std Unit			
Redox		304	mV			
Temperature		62.7	deg F			
Turbidity		37.2	NTU			
<b>RADS</b>						
Technetium-99		112	pCi/L	15.9	18.6	RL-7100
Uranium-235			wt %			AS7300
<b>VOA</b>						
Trichloroethene	D	0.32	mg/L		0.005	SW846-8260

# Paducah-OREIS Data Report

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**MW227**

**19395**

**MW227C4042-04**

Collected: 7/27/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Arsenic		0.034	mg/L		0.005	SW846-7060
Arsenic, Dissolved	U	0.005	mg/L		0.005	SW846-7060
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium		0.226	mg/L		0.02	SW846-6010A
Chromium, Dissolved	B	0.037	mg/L		0.02	SW846-6010A
Lead	U	0.05	mg/L		0.05	SW846-7421 E3R0
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Selenium	UW	0.01	mg/L		0.01	SW846-7740
Uranium	U	1	mg/L		1	AS7300
Uranium, Dissolved	*NU	0.001	mg/L		0.001	IN7105
<b>METEO</b>						
Barometric Pressure Reading		30.03	Inches/Hg			
<b>PHYSC</b>						
Conductivity		252	umho/cm			
Depth to Water		50.92	ft			
Dissolved Oxygen		7.58	mg/L			
pH		6.06	Std Unit			
Redox		351	mV			
Temperature		63	deg F			
Turbidity		394	NTU			
<b>RADS</b>						
Technetium-99	U	-0.469	pCi/L	0	18.6	RL-7100
Uranium-235			wt %			AS7300
<b>VOA</b>						
Trichloroethene		0.039	mg/L		0.001	SW846-8260



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**MW84**  
**19395**  
**MW84C4042-04**

Collected: 7/26/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Arsenic	U	0.005	mg/L		0.005	SW846-7060
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.025	mg/L		0.02	SW846-6010A
Lead	U	0.05	mg/L		0.05	SW846-7421 E3R0
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Selenium	UW	0.01	mg/L		0.01	SW846-7740
Uranium	U	1	mg/L		1	AS7300
Uranium, Dissolved	*NU	0.001	mg/L		0.001	IN7105
<b>METEO</b>						
Barometric Pressure Reading		30.06	Inches/Hg			
<b>PHYSC</b>						
Conductivity		226	umho/cm			
Depth to Water		48.49	ft			
Dissolved Oxygen		1.85	mg/L			
pH		5.99	Std Unit			
Redox		323	mV			
Temperature		62	deg F			
Turbidity		4.2	NTU			
<b>RADS</b>						
Technetium-99	U	-3.46	pCi/L	0	18.6	RL-7100
Uranium-235			wt %			AS7300
<b>VOA</b>						
Trichloroethene	D	0.15	mg/L		0.002	SW846-8260

# Paducah-OREIS Data Report

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**MW85**  
**19395**  
**MW85C4042-04**

Collected: 7/26/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Arsenic		0.012	mg/L		0.005	SW846-7060
Arsenic, Dissolved		0.012	mg/L		0.005	SW846-7060
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.025	mg/L		0.02	SW846-6010A
Lead	U	0.05	mg/L		0.05	SW846-7421 E3R0
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Selenium	UW	0.01	mg/L		0.01	SW846-7740
Uranium	U	1	mg/L		1	AS7300
Uranium, Dissolved	*NU	0.001	mg/L		0.001	IN7105
<b>METEO</b>						
Barometric Pressure Reading		30.06	Inches/Hg			
<b>PHYSC</b>						
Conductivity		376	umho/cm			
Depth to Water		12.47	ft			
Dissolved Oxygen		3.07	mg/L			
pH		6.35	Std Unit			
Redox		333	mV			
Temperature		62.6	deg F			
Turbidity		5.4	NTU			
<b>RADS</b>						
Technetium-99		163	pCi/L	17.3	18.6	RL-7100
Uranium-235			wt %			AS7300
<b>VOA</b>						
Trichloroethene	U	0.001	mg/L		0.001	SW846-8260

# Paducah-OREIS Data Report

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**MW86**  
**19395**  
**MW86C4042-04**

Collected: 7/26/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Arsenic	U	0.005	mg/L		0.005	SW846-7060
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.025	mg/L		0.02	SW846-6010A
Lead	U	0.05	mg/L		0.05	SW846-7421 E3R0
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Selenium	UW	0.01	mg/L		0.01	SW846-7740
Uranium	U	1	mg/L		1	AS7300
Uranium, Dissolved	*NU	0.001	mg/L		0.001	IN7105
<b>METEO</b>						
Barometric Pressure Reading		30.06	Inches/Hg			
<b>PHYSC</b>						
Conductivity		227	umho/cm			
Depth to Water		48.49	ft			
Dissolved Oxygen		1.46	mg/L			
pH		6.01	Std Unit			
Redox		333	mV			
Temperature		62.4	deg F			
Turbidity		129	NTU			
<b>RADS</b>						
Technetium-99	U	-0.176	pCi/L	0	18.6	RL-7100
Uranium-235			wt %			AS7300
<b>VOA</b>						
Trichloroethene		0.11	mg/L		0.001	SW846-8260

# Paducah-OREIS Data Report

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**MW87**

**19395**

**MW87C4042-04**

Collected: 7/26/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Arsenic	U	0.005	mg/L		0.005	SW846-7060
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.025	mg/L		0.02	SW846-6010A
Lead	U	0.05	mg/L		0.05	SW846-7421 E3R0
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Selenium	UW	0.01	mg/L		0.01	SW846-7740
Uranium	U	1	mg/L		1	AS7300
Uranium, Dissolved	*NU	0.001	mg/L		0.001	IN7105
<b>METEO</b>						
Barometric Pressure Reading		30.06	Inches/Hg			
<b>PHYSC</b>						
Conductivity		275	umho/cm			
Depth to Water		48.41	ft			
Dissolved Oxygen		2.39	mg/L			
pH		6.3	Std Unit			
Redox		235	mV			
Temperature		63.1	deg F			
Turbidity		6.7	NTU			
<b>RADS</b>						
Technetium-99	U	-1.64	pCi/L	0	18.6	RL-7100
Uranium-235			wt %			AS7300
<b>VOA</b>						
Trichloroethene		0.017	mg/L		0.001	SW846-8260

# Paducah-OREIS Data Report

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**MW88**

**19395**

**MW88C4042-04**

Collected: 7/26/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Arsenic	U	0.005	mg/L		0.005	SW846-7060
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.025	mg/L		0.02	SW846-6010A
Lead	U	0.05	mg/L		0.05	SW846-7421 E3R0
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Selenium	UW	0.01	mg/L		0.01	SW846-7740
Uranium	U	1	mg/L		1	AS7300
Uranium, Dissolved	*NU	0.001	mg/L		0.001	IN7105
<b>METEO</b>						
Barometric Pressure Reading		30.06	Inches/Hg			
<b>PHYSC</b>						
Conductivity		589	umho/cm			
Depth to Water		12.85	ft			
Dissolved Oxygen		1.2	mg/L			
pH		5.8	Std Unit			
Redox		260	mV			
Temperature		64.1	deg F			
Turbidity		56.2	NTU			
<b>RADS</b>						
Technetium-99		53.5	pCi/L	14.2	18.6	RL-7100
Uranium-235			wt %			AS7300
<b>VOA</b>						
Trichloroethene		0.003	mg/L		0.001	SW846-8260

# Paducah-OREIS Data Report

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**MW88**  
**19395**  
**MW88DC4042-04**

Collected: 7/26/2004

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Arsenic	U	0.005	mg/L		0.005	SW846-7060
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.025	mg/L		0.02	SW846-6010A
Lead	U	0.05	mg/L		0.05	SW846-7421 E3R0
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Selenium	UW	0.01	mg/L		0.01	SW846-7740
Uranium	U	1	mg/L		1	AS7300
Uranium, Dissolved	*NU	0.001	mg/L		0.001	IN7105
<b>METEO</b>						
Barometric Pressure Reading		30.06	Inches/Hg			
<b>PHYSC</b>						
Conductivity		589	umho/cm			
Depth to Water		12.85	ft			
Dissolved Oxygen		1.2	mg/L			
pH		5.8	Std Unit			
Redox		260	mV			
Temperature		64.1	deg F			
Turbidity		56.2	NTU			
<b>RADS</b>						
Technetium-99		52.1	pCi/L	14.2	18.6	RL-7100
Uranium-235			wt %			AS7300
<b>VOA</b>						
Trichloroethene		0.003	mg/L		0.001	SW846-8260

# Paducah-OREIS Data Report

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**MW89**  
**19395**  
**MW89C4042-04**

Collected: 7/26/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Arsenic	U	0.005	mg/L		0.005	SW846-7060
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.025	mg/L		0.02	SW846-6010A
Lead	U	0.05	mg/L		0.05	SW846-7421 E3R0
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Selenium	UW	0.01	mg/L		0.01	SW846-7740
Uranium	U	1	mg/L		1	AS7300
Uranium, Dissolved	*NU	0.001	mg/L		0.001	IN7105
<b>METEO</b>						
Barometric Pressure Reading		30.06	Inches/Hg			
<b>PHYSC</b>						
Conductivity		188	umho/cm			
Depth to Water		48.19	ft			
Dissolved Oxygen		2.15	mg/L			
pH		6	Std Unit			
Redox		260	mV			
Temperature		63.7	deg F			
Turbidity		8.4	NTU			
<b>RADS</b>						
Technetium-99	U	-6.21	pCi/L	0	18.6	RL-7100
Uranium-235			wt %			AS7300
<b>VOA</b>						
Trichloroethene	U	0.001	mg/L		0.001	SW846-8260

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**MW90A**

**19395**

**MW90AC4042-04**

Collected: 7/26/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Arsenic	U	0.005	mg/L		0.005	SW846-7060
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.025	mg/L		0.02	SW846-6010A
Lead	U	0.05	mg/L		0.05	SW846-7421 E3R0
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Selenium	UW	0.01	mg/L		0.01	SW846-7740
Uranium	U	1	mg/L		1	AS7300
Uranium, Dissolved	*NU	0.001	mg/L		0.001	IN7105
<b>METEO</b>						
Barometric Pressure Reading		30.06	Inches/Hg			
<b>PHYSC</b>						
Conductivity		331	umho/cm			
Depth to Water		46.92	ft			
Dissolved Oxygen		1.48	mg/L			
pH		6.4	Std Unit			
Redox		123	mV			
Temperature		64.3	deg F			
Turbidity		2.5	NTU			
<b>RADS</b>						
Technetium-99	U	-7.61	pCi/L	0	18.6	RL-7100
Uranium-235			wt %			AS7300
<b>VOA</b>						
Trichloroethene	U	0.001	mg/L		0.001	SW846-8260



# Paducah-OREIS Data Report

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**MW91**

**19395**

**MW91C4042-04**

Collected: 7/26/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Arsenic	U	0.005	mg/L		0.005	SW846-7060
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium		0.293	mg/L		0.02	SW846-6010A
Chromium, Dissolved	BU	0.025	mg/L		0.02	SW846-6010A
Lead	U	0.05	mg/L		0.05	SW846-7421 E3R0
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Selenium	UW	0.01	mg/L		0.01	SW846-7740
Uranium	U	1	mg/L		1	AS7300
Uranium, Dissolved	*NU	0.001	mg/L		0.001	IN7105
<b>METEO</b>						
Barometric Pressure Reading		30.06	Inches/Hg			
<b>PHYSC</b>						
Conductivity		472	umho/cm			
Depth to Water		11.95	ft			
Dissolved Oxygen		2.37	mg/L			
pH		6	Std Unit			
Redox		223	mV			
Temperature		64	deg F			
Turbidity		67.3	NTU			
<b>RADS</b>						
Technetium-99		443	pCi/L	23.4	18.6	RL-7100
Uranium-235			wt %			AS7300
<b>VOA</b>						
Trichloroethene		0.068	mg/L		0.001	SW846-8260

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**MW92**

**19395**

**MW92C4042-04**

Collected: 7/26/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Arsenic	U	0.005	mg/L		0.005	SW846-7060
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.025	mg/L		0.02	SW846-6010A
Lead	U	0.05	mg/L		0.05	SW846-7421 E3R0
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Selenium	UW	0.01	mg/L		0.01	SW846-7740
Uranium	U	1	mg/L		1	AS7300
Uranium, Dissolved	*NU	0.001	mg/L		0.001	IN7105
<b>METEO</b>						
Barometric Pressure Reading		30.06	Inches/Hg			
<b>PHYSC</b>						
Conductivity		147	umho/cm			
Depth to Water		47.04	ft			
Dissolved Oxygen		1.11	mg/L			
pH		5.8	Std Unit			
Redox		257	mV			
Temperature		63.4	deg F			
Turbidity		3.9	NTU			
<b>RADS</b>						
Technetium-99	U	-5.92	pCi/L	0	18.6	RL-7100
Uranium-235			wt %			AS7300
<b>VOA</b>						
Trichloroethene	U	0.001	mg/L		0.001	SW846-8260

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**MW93**  
**19395**  
**MW93C4042-04**

Collected: 7/26/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Arsenic	U	0.005	mg/L		0.005	SW846-7060
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.025	mg/L		0.02	SW846-6010A
Lead	U	0.05	mg/L		0.05	SW846-7421 E3R0
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Selenium	UW	0.01	mg/L		0.01	SW846-7740
Uranium	U	1	mg/L		1	AS7300
Uranium, Dissolved	*NU	0.001	mg/L		0.001	IN7105
<b>METEO</b>						
Barometric Pressure Reading		30.06	Inches/Hg			
<b>PHYSC</b>						
Conductivity		236	umho/cm			
Depth to Water		50	ft			
Dissolved Oxygen		1.18	mg/L			
pH		5.97	Std Unit			
Redox		308	mV			
Temperature		62.6	deg F			
Turbidity		5	NTU			
<b>RADS</b>						
Technetium-99	U	0.937	pCi/L	12.2	18.6	RL-7100
Uranium-235			wt %			AS7300
<b>VOA</b>						
Trichloroethene	D	0.2	mg/L		0.002	SW846-8260

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**MW94**  
**19395**  
**MW94C4042-04**

Collected: 7/26/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>METAL</b>						
Arsenic	U	0.005	mg/L		0.005	SW846-7060
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium		0.045	mg/L		0.02	SW846-6010A
Chromium, Dissolved	BU	0.025	mg/L		0.02	SW846-6010A
Lead	U	0.05	mg/L		0.05	SW846-7421 E3R0
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Selenium	UW	0.01	mg/L		0.01	SW846-7740
Uranium	U	1	mg/L		1	AS7300
Uranium, Dissolved	*N	0.003	mg/L		0.001	IN7105
<b>METEO</b>						
Barometric Pressure Reading		30.06	Inches/Hg			
<b>PHYSC</b>						
Conductivity		1093	umho/cm			
Depth to Water		14.97	ft			
Dissolved Oxygen		1.15	mg/L			
pH		6.38	Std Unit			
Redox		321	mV			
Temperature		62.9	deg F			
Turbidity		165	NTU			
<b>RADS</b>						
Technetium-99		454	pCi/L	23.6	18.6	RL-7100
Uranium-235			wt %			AS7300
<b>VOA</b>						
Trichloroethene		0.009	mg/L		0.001	SW846-8260

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**MW95A**

**19395**

**MW95AC4042-04**

Collected: 7/29/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Arsenic	U	0.005	mg/L		0.005	SW846-7060
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.025	mg/L		0.02	SW846-6010A
Lead	U	0.05	mg/L		0.05	SW846-7421 E3R0
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Selenium	UW	0.01	mg/L		0.01	SW846-7740
Uranium	U	1	mg/L		1	AS7300
Uranium, Dissolved	NU	0.001	mg/L		0.001	IN7105
<b>METEO</b>						
Barometric Pressure Reading		29.94	Inches/Hg			
<b>PHYSC</b>						
Conductivity		250	umho/cm			
Depth to Water		49.21	ft			
Dissolved Oxygen		0.99	mg/L			
pH		5.93	Std Unit			
Redox		317	mV			
Temperature		62.8	deg F			
Turbidity		2.9	NTU			
<b>RADS</b>						
Technetium-99	U	14.2	pCi/L	13	18.6	RL-7100
Uranium-235			wt %			AS7300
<b>VOA</b>						
Trichloroethene		0.12	mg/L		0.001	SW846-8260

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**MW226**

**19396**

**MW226SWSIA292**

Collected: 7/22/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	*NU	0.2	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic	U	0.001	mg/L		0.001	SW846-6020
Barium		0.314	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		29.6	mg/L		1	SW846-6010A
Chromium	*NX	0.189	mg/L		0.02	SW846-6020
Cobalt		0.00172	mg/L		0.001	SW846-6020
Copper	BU	0.02	mg/L		0.02	SW846-6020
Iron		6.02	mg/L		0.1	SW846-6010A
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		12	mg/L		0.025	SW846-6010A
Manganese	N	1.4	mg/L		0.05	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel	E	0.0345	mg/L		0.005	SW846-6020
Potassium		3.27	mg/L		0.2	SW846-6010A
Selenium	U	0.005	mg/L		0.005	SW846-6020
Silver	*BNU	0.001	mg/L		0.001	SW846-6020
Sodium		17.6	mg/L		2	SW846-6010A
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	BU	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	BU	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.88	Inches/Hg			
<b>PHYSC</b>						
Conductivity		364	umho/cm			
Depth to Water		50.36	ft			
Dissolved Oxygen		1.71	mg/L			
pH		6.05	Std Unit			
Redox		488	mV			
Temperature		19.83	deg C			
Turbidity		191	NTU			
<b>RADS</b>						
Alpha activity	U	0.668	pCi/L	0.307	3.75	EPA-900.0
Beta activity		57.7	pCi/L	5.21	5.2	EPA-900.0
Neptunium-237	U	-0.0816	pCi/L	0.0183	0.426	RL-7128
Plutonium-239/240	U	-0.0009	pCi/L	0.0303	0.0954	RL-7128
Technetium-99		132	pCi/L	12.7	14	RL-7100
Uranium-234	U	0.0902	pCi/L	0.0713	0.39	RL-7128
Uranium-235	U	0.0122	pCi/L	0.03	0.102	RL-7128
Uranium-238	U	0.348	pCi/L	0.104	0.623	RL-7128
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.01	mg/L		0.01	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	D	0.012	mg/L		0.005	SW846-8260

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## MW226

### 19396

1,2-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dimethylbenzene	U	0.005	mg/L	0.005	SW846-8260
2-Butanone	D	0.035	mg/L	0.025	SW846-8260
2-Hexanone	JU	0.025	mg/L	0.025	SW846-8260
4-Methyl-2-pentanone	JU	0.025	mg/L	0.025	SW846-8260
Acetone	U	0.025	mg/L	0.025	SW846-8260
Benzene	U	0.005	mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromoform	U	0.01	mg/L	0.01	SW846-8260
Bromomethane	JU	0.01	mg/L	0.01	SW846-8260
Carbon disulfide	JU	0.005	mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L	0.005	SW846-8260
Chloroethane	U	0.005	mg/L	0.005	SW846-8260
Chloroform	U	0.005	mg/L	0.005	SW846-8260
Chloromethane	JU	0.01	mg/L	0.01	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L	0.005	SW846-8260
m,p-Xylene	U	0.01	mg/L	0.01	SW846-8260
Methylene chloride	U	0.005	mg/L	0.005	SW846-8260
Styrene	U	0.005	mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L	0.005	SW846-8260
Toluene	U	0.005	mg/L	0.005	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Trichloroethene	D	0.34	mg/L	0.005	SW846-8260
Vinyl chloride	U	0.005	mg/L	0.005	SW846-8260

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**MW227**

**19396**

**MW227SWSIA306**

Collected: 7/22/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	*N	0.547	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic	U	0.001	mg/L		0.001	SW846-6020
Barium		0.12	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		25.8	mg/L		1	SW846-6010A
Chromium	*NX	0.118	mg/L		0.02	SW846-6020
Cobalt		0.00295	mg/L		0.001	SW846-6020
Copper	BU	0.02	mg/L		0.02	SW846-6020
Iron		3.14	mg/L		0.1	SW846-6010A
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		9.38	mg/L		0.025	SW846-6010A
Manganese	N	0.144	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel	E	0.232	mg/L		0.005	SW846-6020
Potassium	B	0.706	mg/L		0.2	SW846-6010A
Selenium	U	0.005	mg/L		0.005	SW846-6020
Silver	*BNU	0.001	mg/L		0.001	SW846-6020
Sodium		15.6	mg/L		2	SW846-6010A
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	BU	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	BU	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.88	Inches/Hg			
<b>PHYSC</b>						
Conductivity		261	umho/cm			
Depth to Water		50.69	ft			
Dissolved Oxygen		7.77	mg/L			
pH		6.24	Std Unit			
Redox		378	mV			
Temperature		19.01	deg C			
Turbidity		508	NTU			
<b>RADS</b>						
Alpha activity		5.9	pCi/L	2.19	4.94	EPA-900.0
Beta activity		10.1	pCi/L	1.66	5.94	EPA-900.0
Neptunium-237	U	-0.0807	pCi/L	0.0363	0.417	RL-7128
Plutonium-239/240	U	-0.0009	pCi/L	0.0277	0.105	RL-7128
Technetium-99	U	10.4	pCi/L	9.66	14	RL-7100
Uranium-234	U	0.284	pCi/L	0.102	0.383	RL-7128
Uranium-235	U	0.00706	pCi/L	0.0165	0.0967	RL-7128
Uranium-238	U	0.412	pCi/L	0.117	0.654	RL-7128
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.001	mg/L		0.001	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.002	mg/L		0.002	SW846-8260
1,1,2-Trichloroethane	U	0.001	mg/L		0.001	SW846-8260
1,1-Dichloroethane	U	0.001	mg/L		0.001	SW846-8260
1,1-Dichloroethene	U	0.001	mg/L		0.001	SW846-8260



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## MW227

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1,2-Dichloroethane	U	0.001	mg/L	0.001	SW846-8260
1,2-Dichloropropane	U	0.001	mg/L	0.001	SW846-8260
1,2-Dimethylbenzene	U	0.001	mg/L	0.001	SW846-8260
2-Butanone	U	0.005	mg/L	0.005	SW846-8260
2-Hexanone	JU	0.005	mg/L	0.005	SW846-8260
4-Methyl-2-pentanone	JU	0.005	mg/L	0.005	SW846-8260
Acetone	U	0.005	mg/L	0.005	SW846-8260
Benzene	U	0.001	mg/L	0.001	SW846-8260
Bromodichloromethane	U	0.001	mg/L	0.001	SW846-8260
Bromoform	U	0.002	mg/L	0.002	SW846-8260
Bromomethane	JU	0.002	mg/L	0.002	SW846-8260
Carbon disulfide	JU	0.001	mg/L	0.001	SW846-8260
Carbon tetrachloride	U	0.001	mg/L	0.001	SW846-8260
Chlorobenzene	U	0.001	mg/L	0.001	SW846-8260
Chloroethane	U	0.001	mg/L	0.001	SW846-8260
Chloroform	U	0.001	mg/L	0.001	SW846-8260
Chloromethane	JU	0.002	mg/L	0.002	SW846-8260
cis-1,2-Dichloroethene	U	0.001	mg/L	0.001	SW846-8260
cis-1,3-Dichloropropene	U	0.001	mg/L	0.001	SW846-8260
Dibromochloromethane	U	0.001	mg/L	0.001	SW846-8260
Ethylbenzene	U	0.001	mg/L	0.001	SW846-8260
m,p-Xylene	U	0.002	mg/L	0.002	SW846-8260
Methylene chloride	U	0.001	mg/L	0.001	SW846-8260
Styrene	U	0.001	mg/L	0.001	SW846-8260
Tetrachloroethene	U	0.001	mg/L	0.001	SW846-8260
Toluene	U	0.001	mg/L	0.001	SW846-8260
trans-1,2-Dichloroethene	U	0.001	mg/L	0.001	SW846-8260
trans-1,3-Dichloropropene	U	0.001	mg/L	0.001	SW846-8260
Trichloroethene		0.033	mg/L	0.001	SW846-8260
Vinyl chloride	U	0.001	mg/L	0.001	SW846-8260

# Paducah-OREIS Data Report

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**MW333**

**19396**

**MW333SWSIA301**

Collected: 7/20/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	*NU	0.2	mg/L		0.2	SW846-6010A
Antimony	U	0.005	mg/L		0.005	SW846-6020
Arsenic	B	0.0029	mg/L		0.001	SW846-6020
Barium		0.13	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Cadmium	BU	0.001	mg/L		0.001	SW846-6020
Calcium		18.9	mg/L		1	SW846-6010A
Chromium	BUX	0.02	mg/L		0.02	SW846-6020
Cobalt	BU	0.001	mg/L		0.001	SW846-6020
Copper	U	0.02	mg/L		0.02	SW846-6020
Iron		0.157	mg/L		0.1	SW846-6010A
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		7.58	mg/L		0.025	SW846-6010A
Manganese		0.0193	mg/L		0.005	SW846-6020
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470
Nickel	JN	0.0182	mg/L		0.005	SW846-6020
Potassium		0.546	mg/L		0.2	SW846-6010A
Selenium	U	0.005	mg/L		0.005	SW846-6020
Silver	U	0.001	mg/L		0.001	SW846-6020
Sodium		15.2	mg/L		2	SW846-6010A
Thallium	BU	0.002	mg/L		0.002	SW846-6020
Uranium	BU	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	NU	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.91	Inches/Hg			
<b>PHYSC</b>						
Conductivity		232	umho/cm			
Depth to Water		49.25	ft			
Dissolved Oxygen		4.75	mg/L			
pH		6.09	Std Unit			
Redox		205	mV			
Temperature		19.62	deg C			
Turbidity		28.4	NTU			
<b>RADS</b>						
Alpha activity	U	1.44	pCi/L	0.866	3.31	EPA-900.0
Beta activity	U	1.43	pCi/L	0.339	5.03	EPA-900.0
Neptunium-237	U	-0.0704	pCi/L	0.0204	0.428	RL-7128
Plutonium-239/240	U	-0.0287	pCi/L	0.0114	0.0974	RL-7128
Technetium-99	U	2.73	pCi/L	9.86	14.6	RL-7100
Uranium-234	U	0.198	pCi/L	0.0869	0.389	RL-7128
Uranium-235	U	0.00505	pCi/L	0.0423	0.212	RL-7128
Uranium-238	U	0.363	pCi/L	0.107	0.65	RL-7128
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.01	mg/L		0.01	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.02	mg/L		0.02	SW846-8260
1,1,2-Trichloroethane	U	0.01	mg/L		0.01	SW846-8260
1,1-Dichloroethane	U	0.01	mg/L		0.01	SW846-8260
1,1-Dichloroethene	U	0.01	mg/L		0.01	SW846-8260

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## MW333

### 19396

1,2-Dichloroethane	U	0.01	mg/L	0.01	SW846-8260
1,2-Dichloropropane	U	0.01	mg/L	0.01	SW846-8260
1,2-Dimethylbenzene	U	0.01	mg/L	0.01	SW846-8260
2-Butanone	U	0.05	mg/L	0.05	SW846-8260
2-Hexanone	U	0.05	mg/L	0.05	SW846-8260
4-Methyl-2-pentanone	U	0.05	mg/L	0.05	SW846-8260
Acetone	JU	0.05	mg/L	0.05	SW846-8260
Benzene	U	0.01	mg/L	0.01	SW846-8260
Bromodichloromethane	U	0.01	mg/L	0.01	SW846-8260
Bromoform	U	0.02	mg/L	0.02	SW846-8260
Bromomethane	U	0.02	mg/L	0.02	SW846-8260
Carbon disulfide	U	0.01	mg/L	0.01	SW846-8260
Carbon tetrachloride	U	0.01	mg/L	0.01	SW846-8260
Chlorobenzene	U	0.01	mg/L	0.01	SW846-8260
Chloroethane	U	0.01	mg/L	0.01	SW846-8260
Chloroform	U	0.01	mg/L	0.01	SW846-8260
Chloromethane	U	0.02	mg/L	0.02	SW846-8260
cis-1,2-Dichloroethene	D	0.044	mg/L	0.01	SW846-8260
cis-1,3-Dichloropropene	U	0.01	mg/L	0.01	SW846-8260
Dibromochloromethane	U	0.01	mg/L	0.01	SW846-8260
Ethylbenzene	U	0.01	mg/L	0.01	SW846-8260
m,p-Xylene	U	0.02	mg/L	0.02	SW846-8260
Methylene chloride	U	0.01	mg/L	0.01	SW846-8260
Styrene	U	0.01	mg/L	0.01	SW846-8260
Tetrachloroethene	U	0.01	mg/L	0.01	SW846-8260
Toluene	U	0.01	mg/L	0.01	SW846-8260
trans-1,2-Dichloroethene	U	0.01	mg/L	0.01	SW846-8260
trans-1,3-Dichloropropene	JU	0.01	mg/L	0.01	SW846-8260
Trichloroethene	D	0.43	mg/L	0.01	SW846-8260
Vinyl chloride	U	0.01	mg/L	0.01	SW846-8260

# Paducah-OREIS Data Report

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**MW337**

**19396**

**MW337SWSIA303**

Collected: 7/20/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	*NU	0.2	mg/L		0.2	SW846-6010A
Antimony	U	0.005	mg/L		0.005	SW846-6020
Arsenic	B	0.0175	mg/L		0.001	SW846-6020
Barium		0.078	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Cadmium	BU	0.001	mg/L		0.001	SW846-6020
Calcium		12.9	mg/L		1	SW846-6010A
Chromium	BUX	0.02	mg/L		0.02	SW846-6020
Cobalt	BU	0.001	mg/L		0.001	SW846-6020
Copper	U	0.02	mg/L		0.02	SW846-6020
Iron	U	0.1	mg/L		0.1	SW846-6010A
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		5.5	mg/L		0.025	SW846-6010A
Manganese		0.0132	mg/L		0.005	SW846-6020
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470
Nickel	JNU	0.005	mg/L		0.005	SW846-6020
Potassium		0.423	mg/L		0.2	SW846-6010A
Selenium	U	0.005	mg/L		0.005	SW846-6020
Silver	U	0.001	mg/L		0.001	SW846-6020
Sodium		12.2	mg/L		2	SW846-6010A
Thallium	BU	0.002	mg/L		0.002	SW846-6020
Uranium	BU	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	NU	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.91	Inches/Hg			
<b>PHYSC</b>						
Conductivity		193	umho/cm			
Depth to Water		46.55	ft			
Dissolved Oxygen		5.4	mg/L			
pH		5.72	Std Unit			
Redox		231	mV			
Temperature		20.29	deg C			
Turbidity		25.8	NTU			
<b>RADS</b>						
Alpha activity		3.45	pCi/L	1.05	3.13	EPA-900.0
Beta activity		111	pCi/L	7.28	4.96	EPA-900.0
Neptunium-237	U	-0.0704	pCi/L	0.0292	0.428	RL-7128
Plutonium-239/240	U	-0.0116	pCi/L	0.0221	0.178	RL-7128
Technetium-99		203	pCi/L	14.4	14.6	RL-7100
Uranium-234	U	0.101	pCi/L	0.0852	0.396	RL-7128
Uranium-235	U	-0.003	pCi/L	0.0221	0.118	RL-7128
Uranium-238	U	0.275	pCi/L	0.0987	0.624	RL-7128
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.002	mg/L		0.002	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.004	mg/L		0.004	SW846-8260
1,1,2-Trichloroethane	U	0.002	mg/L		0.002	SW846-8260
1,1-Dichloroethane	D	0.0022	mg/L		0.002	SW846-8260
1,1-Dichloroethene	U	0.002	mg/L		0.002	SW846-8260

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## MW337

### 19396

1,2-Dichloroethane	U	0.002	mg/L	0.002	SW846-8260
1,2-Dichloropropane	U	0.002	mg/L	0.002	SW846-8260
1,2-Dimethylbenzene	U	0.002	mg/L	0.002	SW846-8260
2-Butanone	U	0.01	mg/L	0.01	SW846-8260
2-Hexanone	U	0.01	mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L	0.01	SW846-8260
Acetone	JU	0.01	mg/L	0.01	SW846-8260
Benzene	U	0.002	mg/L	0.002	SW846-8260
Bromodichloromethane	U	0.002	mg/L	0.002	SW846-8260
Bromoform	U	0.004	mg/L	0.004	SW846-8260
Bromomethane	U	0.004	mg/L	0.004	SW846-8260
Carbon disulfide	U	0.002	mg/L	0.002	SW846-8260
Carbon tetrachloride	U	0.002	mg/L	0.002	SW846-8260
Chlorobenzene	U	0.002	mg/L	0.002	SW846-8260
Chloroethane	U	0.002	mg/L	0.002	SW846-8260
Chloroform	D	0.0029	mg/L	0.002	SW846-8260
Chloromethane	U	0.004	mg/L	0.004	SW846-8260
cis-1,2-Dichloroethene	D	0.009	mg/L	0.002	SW846-8260
cis-1,3-Dichloropropene	U	0.002	mg/L	0.002	SW846-8260
Dibromochloromethane	U	0.002	mg/L	0.002	SW846-8260
Ethylbenzene	U	0.002	mg/L	0.002	SW846-8260
m,p-Xylene	U	0.004	mg/L	0.004	SW846-8260
Methylene chloride	U	0.002	mg/L	0.002	SW846-8260
Styrene	U	0.002	mg/L	0.002	SW846-8260
Tetrachloroethene	U	0.002	mg/L	0.002	SW846-8260
Toluene	U	0.002	mg/L	0.002	SW846-8260
trans-1,2-Dichloroethene	U	0.002	mg/L	0.002	SW846-8260
trans-1,3-Dichloropropene	JU	0.002	mg/L	0.002	SW846-8260
Trichloroethene	D	0.12	mg/L	0.002	SW846-8260
Vinyl chloride	U	0.002	mg/L	0.002	SW846-8260

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**MW338**

**19396**

**MW338SWSIA303**

Collected: 7/20/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	*NU	0.2	mg/L		0.2	SW846-6010A
Antimony	U	0.005	mg/L		0.005	SW846-6020
Arsenic	BU	0.001	mg/L		0.001	SW846-6020
Barium		0.097	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Cadmium	BU	0.001	mg/L		0.001	SW846-6020
Calcium		15	mg/L		1	SW846-6010A
Chromium	BX	0.269	mg/L		0.02	SW846-6020
Cobalt	B	0.0019	mg/L		0.001	SW846-6020
Copper	U	0.02	mg/L		0.02	SW846-6020
Iron		1.3	mg/L		0.1	SW846-6010A
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		6.07	mg/L		0.025	SW846-6010A
Manganese		0.0691	mg/L		0.005	SW846-6020
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470
Nickel	JN	0.0908	mg/L		0.005	SW846-6020
Potassium		0.471	mg/L		0.2	SW846-6010A
Selenium	U	0.005	mg/L		0.005	SW846-6020
Silver	U	0.001	mg/L		0.001	SW846-6020
Sodium		13.7	mg/L		2	SW846-6010A
Thallium	BU	0.002	mg/L		0.002	SW846-6020
Uranium	BU	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	NU	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.91	Inches/Hg			
<b>PHYSC</b>						
Conductivity		208	umho/cm			
Depth to Water		48.89	ft			
Dissolved Oxygen		6.02	mg/L			
pH		5.63	Std Unit			
Redox		238	mV			
Temperature		18.94	deg C			
Turbidity		109	NTU			
<b>RADS</b>						
Alpha activity	U	0.125	pCi/L	0.102	3.21	EPA-900.0
Beta activity	U	2.32	pCi/L	0.524	4.99	EPA-900.0
Neptunium-237	U	-0.0466	pCi/L	0.0352	0.428	RL-7128
Plutonium-239/240	U	-0.0166	pCi/L	0.026	0.0981	RL-7128
Technetium-99	U	-0.111	pCi/L	0	14.6	RL-7100
Uranium-234	U	0.169	pCi/L	0.0807	0.39	RL-7128
Uranium-235	U	0.0261	pCi/L	0.0294	0.0985	RL-7128
Uranium-238	U	0.423	pCi/L	0.108	0.623	RL-7128
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.001	mg/L		0.001	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.002	mg/L		0.002	SW846-8260
1,1,2-Trichloroethane	U	0.001	mg/L		0.001	SW846-8260
1,1-Dichloroethane	U	0.001	mg/L		0.001	SW846-8260
1,1-Dichloroethene	U	0.001	mg/L		0.001	SW846-8260

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## MW338

### 19396

1,2-Dichloroethane	U	0.001	mg/L	0.001	SW846-8260
1,2-Dichloropropane	U	0.001	mg/L	0.001	SW846-8260
1,2-Dimethylbenzene	U	0.001	mg/L	0.001	SW846-8260
2-Butanone	U	0.005	mg/L	0.005	SW846-8260
2-Hexanone	U	0.005	mg/L	0.005	SW846-8260
4-Methyl-2-pentanone	U	0.005	mg/L	0.005	SW846-8260
Acetone	JU	0.005	mg/L	0.005	SW846-8260
Benzene	U	0.001	mg/L	0.001	SW846-8260
Bromodichloromethane	U	0.001	mg/L	0.001	SW846-8260
Bromoform	U	0.002	mg/L	0.002	SW846-8260
Bromomethane	U	0.002	mg/L	0.002	SW846-8260
Carbon disulfide	U	0.001	mg/L	0.001	SW846-8260
Carbon tetrachloride	U	0.001	mg/L	0.001	SW846-8260
Chlorobenzene	U	0.001	mg/L	0.001	SW846-8260
Chloroethane	U	0.001	mg/L	0.001	SW846-8260
Chloroform		0.0015	mg/L	0.001	SW846-8260
Chloromethane	U	0.002	mg/L	0.002	SW846-8260
cis-1,2-Dichloroethene		0.0016	mg/L	0.001	SW846-8260
cis-1,3-Dichloropropene	U	0.001	mg/L	0.001	SW846-8260
Dibromochloromethane	U	0.001	mg/L	0.001	SW846-8260
Ethylbenzene	U	0.001	mg/L	0.001	SW846-8260
m,p-Xylene	U	0.002	mg/L	0.002	SW846-8260
Methylene chloride	U	0.001	mg/L	0.001	SW846-8260
Styrene	U	0.001	mg/L	0.001	SW846-8260
Tetrachloroethene	U	0.001	mg/L	0.001	SW846-8260
Toluene	U	0.001	mg/L	0.001	SW846-8260
trans-1,2-Dichloroethene	U	0.001	mg/L	0.001	SW846-8260
trans-1,3-Dichloropropene	JU	0.001	mg/L	0.001	SW846-8260
Trichloroethene		0.0046	mg/L	0.001	SW846-8260
Vinyl chloride	U	0.001	mg/L	0.001	SW846-8260

# Paducah-OREIS Data Report

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**MW84**

**19396**

**MW84SWSIA301**

Collected: 7/20/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	*NU	0.2	mg/L		0.2	SW846-6010A
Antimony	U	0.005	mg/L		0.005	SW846-6020
Arsenic	BU	0.001	mg/L		0.001	SW846-6020
Barium		0.0744	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Cadmium	BU	0.001	mg/L		0.001	SW846-6020
Calcium		18.7	mg/L		1	SW846-6010A
Chromium	BUX	0.02	mg/L		0.02	SW846-6020
Cobalt	BU	0.001	mg/L		0.001	SW846-6020
Copper	U	0.02	mg/L		0.02	SW846-6020
Iron	U	0.1	mg/L		0.1	SW846-6010A
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		7.42	mg/L		0.025	SW846-6010A
Manganese		0.0103	mg/L		0.005	SW846-6020
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470
Nickel	NU	0.005	mg/L		0.005	SW846-6020
Potassium		0.342	mg/L		0.2	SW846-6010A
Selenium	U	0.005	mg/L		0.005	SW846-6020
Silver	U	0.001	mg/L		0.001	SW846-6020
Sodium		12.6	mg/L		2	SW846-6010A
Thallium	BU	0.002	mg/L		0.002	SW846-6020
Uranium	BU	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	NU	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.91	Inches/Hg			
<b>PHYSC</b>						
Conductivity		234	umho/cm			
Depth to Water		48.03	ft			
Dissolved Oxygen		1.93	mg/L			
pH		5.95	Std Unit			
Redox		236	mV			
Temperature		19.01	deg C			
Turbidity		33.2	NTU			
<b>RADS</b>						
Alpha activity	U	0.345	pCi/L	0.261	3.36	EPA-900.0
Beta activity	U	3.12	pCi/L	0.682	5.05	EPA-900.0
Neptunium-237	U	-0.0759	pCi/L	0.0284	0.427	RL-7128
Plutonium-239/240	U	-0.0227	pCi/L	0.0164	0.0967	RL-7128
Technetium-99	U	0.0557	pCi/L	11.5	14.6	RL-7100
Uranium-234	U	0.186	pCi/L	0.091	0.393	RL-7128
Uranium-235	U	0.0289	pCi/L	0.0322	0.104	RL-7128
Uranium-238	U	0.431	pCi/L	0.117	0.625	RL-7128
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.001	mg/L		0.001	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.002	mg/L		0.002	SW846-8260
1,1,2-Trichloroethane	U	0.001	mg/L		0.001	SW846-8260
1,1-Dichloroethane		0.0013	mg/L		0.001	SW846-8260
1,1-Dichloroethene	U	0.001	mg/L		0.001	SW846-8260



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## MW84

### 19396

1,2-Dichloroethane	U	0.001	mg/L	0.001	SW846-8260
1,2-Dichloropropane	U	0.001	mg/L	0.001	SW846-8260
1,2-Dimethylbenzene	U	0.001	mg/L	0.001	SW846-8260
2-Butanone	U	0.005	mg/L	0.005	SW846-8260
2-Hexanone	JU	0.005	mg/L	0.005	SW846-8260
4-Methyl-2-pentanone	JU	0.005	mg/L	0.005	SW846-8260
Acetone	JU	0.005	mg/L	0.005	SW846-8260
Benzene	U	0.001	mg/L	0.001	SW846-8260
Bromodichloromethane	U	0.001	mg/L	0.001	SW846-8260
Bromoform	U	0.002	mg/L	0.002	SW846-8260
Bromomethane	U	0.002	mg/L	0.002	SW846-8260
Carbon disulfide	U	0.001	mg/L	0.001	SW846-8260
Carbon tetrachloride	U	0.001	mg/L	0.001	SW846-8260
Chlorobenzene	U	0.001	mg/L	0.001	SW846-8260
Chloroethane	U	0.001	mg/L	0.001	SW846-8260
Chloroform	U	0.001	mg/L	0.001	SW846-8260
Chloromethane	U	0.002	mg/L	0.002	SW846-8260
cis-1,2-Dichloroethene		0.0051	mg/L	0.001	SW846-8260
cis-1,3-Dichloropropene	U	0.001	mg/L	0.001	SW846-8260
Dibromochloromethane	U	0.001	mg/L	0.001	SW846-8260
Ethylbenzene	U	0.001	mg/L	0.001	SW846-8260
m,p-Xylene	U	0.002	mg/L	0.002	SW846-8260
Methylene chloride	U	0.001	mg/L	0.001	SW846-8260
Styrene	U	0.001	mg/L	0.001	SW846-8260
Tetrachloroethene	U	0.001	mg/L	0.001	SW846-8260
Toluene	U	0.001	mg/L	0.001	SW846-8260
trans-1,2-Dichloroethene	U	0.001	mg/L	0.001	SW846-8260
trans-1,3-Dichloropropene	U	0.001	mg/L	0.001	SW846-8260
Trichloroethene	D	0.14	mg/L	0.002	SW846-8260
Vinyl chloride	U	0.001	mg/L	0.001	SW846-8260

# Paducah-OREIS Data Report

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**MW86**

**19396**

**MW86SWSIA292**

Collected: 7/20/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	*N	0.204	mg/L		0.2	SW846-6010A
Antimony	U	0.005	mg/L		0.005	SW846-6020
Arsenic	BU	0.001	mg/L		0.001	SW846-6020
Barium		0.155	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Cadmium	BU	0.001	mg/L		0.001	SW846-6020
Calcium		20.2	mg/L		1	SW846-6010A
Chromium	BUX	0.02	mg/L		0.02	SW846-6020
Cobalt	BU	0.001	mg/L		0.001	SW846-6020
Copper	U	0.02	mg/L		0.02	SW846-6020
Iron		0.139	mg/L		0.1	SW846-6010A
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		7.92	mg/L		0.025	SW846-6010A
Manganese		0.408	mg/L		0.005	SW846-6020
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470
Nickel	JN	0.00522	mg/L		0.005	SW846-6020
Potassium		0.487	mg/L		0.2	SW846-6010A
Selenium	U	0.005	mg/L		0.005	SW846-6020
Silver	U	0.001	mg/L		0.001	SW846-6020
Sodium		13.4	mg/L		2	SW846-6010A
Thallium	BU	0.002	mg/L		0.002	SW846-6020
Uranium	B	0.00213	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	NU	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.91	Inches/Hg			
<b>PHYSC</b>						
Conductivity		234	umho/cm			
Depth to Water		48.03	ft			
Dissolved Oxygen		1.93	mg/L			
pH		5.95	Std Unit			
Redox		236	mV			
Temperature		19.01	deg C			
Turbidity		33.2	NTU			
<b>RADS</b>						
Alpha activity	U	3.18	pCi/L	1.46	3.19	EPA-900.0
Beta activity	U	4.24	pCi/L	0.879	4.98	EPA-900.0
Neptunium-237	U	-0.0761	pCi/L	0.0247	0.43	RL-7128
Plutonium-239/240	U	-0.0164	pCi/L	0.0215	0.181	RL-7128
Technetium-99	U	3.67	pCi/L	9.85	14.6	RL-7100
Uranium-234	U	0.229	pCi/L	0.0994	0.397	RL-7128
Uranium-235	U	0.0133	pCi/L	0.0384	0.111	RL-7128
Uranium-238		1.02	pCi/L	0.167	0.625	RL-7128
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.001	mg/L		0.001	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.002	mg/L		0.002	SW846-8260
1,1,2-Trichloroethane	U	0.001	mg/L		0.001	SW846-8260
1,1-Dichloroethane	U	0.001	mg/L		0.001	SW846-8260
1,1-Dichloroethene	U	0.001	mg/L		0.001	SW846-8260

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## MW86

### 19396

1,2-Dichloroethane	U	0.001	mg/L	0.001	SW846-8260
1,2-Dichloropropane	U	0.001	mg/L	0.001	SW846-8260
1,2-Dimethylbenzene	U	0.001	mg/L	0.001	SW846-8260
2-Butanone	JU	0.005	mg/L	0.005	SW846-8260
2-Hexanone	JU	0.005	mg/L	0.005	SW846-8260
4-Methyl-2-pentanone	JU	0.005	mg/L	0.005	SW846-8260
Acetone	JU	0.005	mg/L	0.005	SW846-8260
Benzene	U	0.001	mg/L	0.001	SW846-8260
Bromodichloromethane	U	0.001	mg/L	0.001	SW846-8260
Bromoform	U	0.002	mg/L	0.002	SW846-8260
Bromomethane	U	0.002	mg/L	0.002	SW846-8260
Carbon disulfide	U	0.001	mg/L	0.001	SW846-8260
Carbon tetrachloride	U	0.001	mg/L	0.001	SW846-8260
Chlorobenzene	U	0.001	mg/L	0.001	SW846-8260
Chloroethane	U	0.001	mg/L	0.001	SW846-8260
Chloroform	U	0.001	mg/L	0.001	SW846-8260
Chloromethane	U	0.002	mg/L	0.002	SW846-8260
cis-1,2-Dichloroethene		0.0027	mg/L	0.001	SW846-8260
cis-1,3-Dichloropropene	U	0.001	mg/L	0.001	SW846-8260
Dibromochloromethane	U	0.001	mg/L	0.001	SW846-8260
Ethylbenzene	U	0.001	mg/L	0.001	SW846-8260
m,p-Xylene	U	0.002	mg/L	0.002	SW846-8260
Methylene chloride	U	0.001	mg/L	0.001	SW846-8260
Styrene	U	0.001	mg/L	0.001	SW846-8260
Tetrachloroethene	U	0.001	mg/L	0.001	SW846-8260
Toluene	U	0.001	mg/L	0.001	SW846-8260
trans-1,2-Dichloroethene	U	0.001	mg/L	0.001	SW846-8260
trans-1,3-Dichloropropene	U	0.001	mg/L	0.001	SW846-8260
Trichloroethene		0.093	mg/L	0.001	SW846-8260
Vinyl chloride	U	0.001	mg/L	0.001	SW846-8260

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**MW87**

**19396**

**MW87SWSIA304**

Collected: 7/20/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	*NU	0.2	mg/L		0.2	SW846-6010A
Antimony	U	0.005	mg/L		0.005	SW846-6020
Arsenic	BU	0.001	mg/L		0.001	SW846-6020
Barium		0.0635	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Cadmium	BU	0.001	mg/L		0.001	SW846-6020
Calcium		25.2	mg/L		1	SW846-6010A
Chromium	BUX	0.02	mg/L		0.02	SW846-6020
Cobalt	BU	0.001	mg/L		0.001	SW846-6020
Copper	U	0.02	mg/L		0.02	SW846-6020
Iron	U	0.1	mg/L		0.1	SW846-6010A
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		7.6	mg/L		0.025	SW846-6010A
Manganese		0.0396	mg/L		0.005	SW846-6020
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470
Nickel	JNU	0.005	mg/L		0.005	SW846-6020
Potassium		0.478	mg/L		0.2	SW846-6010A
Selenium	U	0.005	mg/L		0.005	SW846-6020
Silver	U	0.001	mg/L		0.001	SW846-6020
Sodium		13	mg/L		2	SW846-6010A
Thallium	BU	0.002	mg/L		0.002	SW846-6020
Uranium	BU	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	NU	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.91	Inches/Hg			
<b>PHYSC</b>						
Conductivity		282	umho/cm			
Depth to Water		48.14	ft			
Dissolved Oxygen		2.42	mg/L			
pH		6.1	Std Unit			
Redox		230	mV			
Temperature		19.61	deg C			
Turbidity		12.5	NTU			
<b>RADS</b>						
Alpha activity	U	1.13	pCi/L	0.714	3.32	EPA-900.0
Beta activity	U	2.6	pCi/L	0.581	5.04	EPA-900.0
Neptunium-237	U	-0.0757	pCi/L	0.0318	0.427	RL-7128
Plutonium-239/240	U	-0.0056	pCi/L	0.0254	0.0946	RL-7128
Technetium-99	U	6.18	pCi/L	9.86	14.6	RL-7100
Uranium-234	U	0.232	pCi/L	0.0959	0.43	RL-7128
Uranium-235	U	0.0212	pCi/L	0.0358	0.168	RL-7128
Uranium-238	U	0.439	pCi/L	0.116	0.65	RL-7128
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.001	mg/L		0.001	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.002	mg/L		0.002	SW846-8260
1,1,2-Trichloroethane	U	0.001	mg/L		0.001	SW846-8260
1,1-Dichloroethane	U	0.001	mg/L		0.001	SW846-8260
1,1-Dichloroethene	U	0.001	mg/L		0.001	SW846-8260

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## MW87

### 19396

1,2-Dichloroethane	U	0.001	mg/L	0.001	SW846-8260
1,2-Dichloropropane	U	0.001	mg/L	0.001	SW846-8260
1,2-Dimethylbenzene	U	0.001	mg/L	0.001	SW846-8260
2-Butanone	U	0.005	mg/L	0.005	SW846-8260
2-Hexanone	JU	0.005	mg/L	0.005	SW846-8260
4-Methyl-2-pentanone	JU	0.005	mg/L	0.005	SW846-8260
Acetone	JU	0.005	mg/L	0.005	SW846-8260
Benzene	U	0.001	mg/L	0.001	SW846-8260
Bromodichloromethane	U	0.001	mg/L	0.001	SW846-8260
Bromoform	U	0.002	mg/L	0.002	SW846-8260
Bromomethane	U	0.002	mg/L	0.002	SW846-8260
Carbon disulfide	U	0.001	mg/L	0.001	SW846-8260
Carbon tetrachloride	U	0.001	mg/L	0.001	SW846-8260
Chlorobenzene	U	0.001	mg/L	0.001	SW846-8260
Chloroethane	U	0.001	mg/L	0.001	SW846-8260
Chloroform	U	0.001	mg/L	0.001	SW846-8260
Chloromethane	U	0.002	mg/L	0.002	SW846-8260
cis-1,2-Dichloroethene	U	0.001	mg/L	0.001	SW846-8260
cis-1,3-Dichloropropene	U	0.001	mg/L	0.001	SW846-8260
Dibromochloromethane	U	0.001	mg/L	0.001	SW846-8260
Ethylbenzene	U	0.001	mg/L	0.001	SW846-8260
m,p-Xylene	U	0.002	mg/L	0.002	SW846-8260
Methylene chloride	U	0.001	mg/L	0.001	SW846-8260
Styrene	U	0.001	mg/L	0.001	SW846-8260
Tetrachloroethene	U	0.001	mg/L	0.001	SW846-8260
Toluene	U	0.001	mg/L	0.001	SW846-8260
trans-1,2-Dichloroethene	U	0.001	mg/L	0.001	SW846-8260
trans-1,3-Dichloropropene	U	0.001	mg/L	0.001	SW846-8260
Trichloroethene		0.013	mg/L	0.001	SW846-8260
Vinyl chloride	U	0.001	mg/L	0.001	SW846-8260

# Paducah-OREIS Data Report

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**MW89**

**19396**

**MW89SWSIA290**

Collected: 7/20/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	*NU	0.2	mg/L		0.2	SW846-6010A
Antimony	U	0.005	mg/L		0.005	SW846-6020
Arsenic	BU	0.001	mg/L		0.001	SW846-6020
Barium		0.087	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Cadmium	BU	0.001	mg/L		0.001	SW846-6020
Calcium		14.2	mg/L		1	SW846-6010A
Chromium	BUX	0.02	mg/L		0.02	SW846-6020
Cobalt	BU	0.001	mg/L		0.001	SW846-6020
Copper	U	0.02	mg/L		0.02	SW846-6020
Iron	U	0.1	mg/L		0.1	SW846-6010A
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		5.96	mg/L		0.025	SW846-6010A
Manganese		0.591	mg/L		0.005	SW846-6020
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470
Nickel	JNU	0.005	mg/L		0.005	SW846-6020
Potassium		1.56	mg/L		0.2	SW846-6010A
Selenium	U	0.005	mg/L		0.005	SW846-6020
Silver	U	0.001	mg/L		0.001	SW846-6020
Sodium		11.8	mg/L		2	SW846-6010A
Thallium	BU	0.002	mg/L		0.002	SW846-6020
Uranium	BU	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	NU	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.91	Inches/Hg			
<b>PHYSC</b>						
Conductivity		189	umho/cm			
Depth to Water		47.98	ft			
Dissolved Oxygen		2	mg/L			
pH		5.87	Std Unit			
Redox		233	mV			
Temperature		18.71	deg C			
Turbidity		14.8	NTU			
<b>RADS</b>						
Alpha activity	U	0.788	pCi/L	0.498	3.11	EPA-900.0
Beta activity		7.91	pCi/L	1.43	4.95	EPA-900.0
Neptunium-237	U	-0.0967	pCi/L	0.0368	0.428	RL-7128
Plutonium-239/240	U	-0.0116	pCi/L	0.0263	0.131	RL-7128
Technetium-99	U	8.18	pCi/L	9.92	14.6	RL-7100
Uranium-234	U	0.147	pCi/L	0.0806	0.392	RL-7128
Uranium-235	U	0.0351	pCi/L	0.04	0.101	RL-7128
Uranium-238	U	0.268	pCi/L	0.0942	0.624	RL-7128
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.001	mg/L		0.001	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.002	mg/L		0.002	SW846-8260
1,1,2-Trichloroethane	U	0.001	mg/L		0.001	SW846-8260
1,1-Dichloroethane	U	0.001	mg/L		0.001	SW846-8260
1,1-Dichloroethene	U	0.001	mg/L		0.001	SW846-8260

# Paducah-OREIS Data Report

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## MW89

### 19396

1,2-Dichloroethane	U	0.001	mg/L	0.001	SW846-8260
1,2-Dichloropropane	U	0.001	mg/L	0.001	SW846-8260
1,2-Dimethylbenzene	U	0.001	mg/L	0.001	SW846-8260
2-Butanone	U	0.005	mg/L	0.005	SW846-8260
2-Hexanone	JU	0.005	mg/L	0.005	SW846-8260
4-Methyl-2-pentanone	JU	0.005	mg/L	0.005	SW846-8260
Acetone	JU	0.005	mg/L	0.005	SW846-8260
Benzene	U	0.001	mg/L	0.001	SW846-8260
Bromodichloromethane	U	0.001	mg/L	0.001	SW846-8260
Bromoform	U	0.002	mg/L	0.002	SW846-8260
Bromomethane	U	0.002	mg/L	0.002	SW846-8260
Carbon disulfide	U	0.001	mg/L	0.001	SW846-8260
Carbon tetrachloride	U	0.001	mg/L	0.001	SW846-8260
Chlorobenzene	U	0.001	mg/L	0.001	SW846-8260
Chloroethane	U	0.001	mg/L	0.001	SW846-8260
Chloroform	U	0.001	mg/L	0.001	SW846-8260
Chloromethane	U	0.002	mg/L	0.002	SW846-8260
cis-1,2-Dichloroethene	U	0.001	mg/L	0.001	SW846-8260
cis-1,3-Dichloropropene	U	0.001	mg/L	0.001	SW846-8260
Dibromochloromethane	U	0.001	mg/L	0.001	SW846-8260
Ethylbenzene	U	0.001	mg/L	0.001	SW846-8260
m,p-Xylene	U	0.002	mg/L	0.002	SW846-8260
Methylene chloride	U	0.001	mg/L	0.001	SW846-8260
Styrene	U	0.001	mg/L	0.001	SW846-8260
Tetrachloroethene	U	0.001	mg/L	0.001	SW846-8260
Toluene	U	0.001	mg/L	0.001	SW846-8260
trans-1,2-Dichloroethene	U	0.001	mg/L	0.001	SW846-8260
trans-1,3-Dichloropropene	U	0.001	mg/L	0.001	SW846-8260
Trichloroethene	U	0.001	mg/L	0.001	SW846-8260
Vinyl chloride	U	0.001	mg/L	0.001	SW846-8260

# Paducah-OREIS Data Report

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**MW93**

**19396**

**MW93SWSIA300**

Collected: 7/20/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	*NU	0.2	mg/L		0.2	SW846-6010A
Antimony	U	0.005	mg/L		0.005	SW846-6020
Arsenic	BU	0.001	mg/L		0.001	SW846-6020
Barium		0.122	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Cadmium	BU	0.001	mg/L		0.001	SW846-6020
Calcium		20.3	mg/L		1	SW846-6010A
Chromium	BUX	0.02	mg/L		0.02	SW846-6020
Cobalt	BU	0.001	mg/L		0.001	SW846-6020
Copper	U	0.02	mg/L		0.02	SW846-6020
Iron	U	0.1	mg/L		0.1	SW846-6010A
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		8.22	mg/L		0.025	SW846-6010A
Manganese		0.0151	mg/L		0.005	SW846-6020
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470
Nickel	JNU	0.005	mg/L		0.005	SW846-6020
Potassium		0.41	mg/L		0.2	SW846-6010A
Selenium	U	0.005	mg/L		0.005	SW846-6020
Silver	U	0.001	mg/L		0.001	SW846-6020
Sodium		13.6	mg/L		2	SW846-6010A
Thallium	BU	0.002	mg/L		0.002	SW846-6020
Uranium	BU	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	NU	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.91	Inches/Hg			
<b>PHYSC</b>						
Conductivity		243	umho/cm			
Depth to Water		49.54	ft			
Dissolved Oxygen		1.83	mg/L			
pH		6.08	Std Unit			
Redox		208	mV			
Temperature		18.48	deg C			
Turbidity		4.3	NTU			
<b>RADS</b>						
Alpha activity	U	2.56	pCi/L	1.28	3.33	EPA-900.0
Beta activity	U	4.42	pCi/L	0.912	5.04	EPA-900.0
Neptunium-237	U	-0.106	pCi/L	0.0313	0.428	RL-7128
Plutonium-239/240	U	0.00149	pCi/L	0.0245	0.098	RL-7128
Technetium-99	U	7.62	pCi/L	9.9	14.6	RL-7100
Uranium-234	U	0.169	pCi/L	0.0825	0.394	RL-7128
Uranium-235	U	0.0194	pCi/L	0.0385	0.106	RL-7128
Uranium-238	U	0.401	pCi/L	0.107	0.623	RL-7128
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.001	mg/L		0.001	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.002	mg/L		0.002	SW846-8260
1,1,2-Trichloroethane	U	0.001	mg/L		0.001	SW846-8260
1,1-Dichloroethane	U	0.001	mg/L		0.001	SW846-8260
1,1-Dichloroethene		0.0018	mg/L		0.001	SW846-8260



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## MW93

### 19396

1,2-Dichloroethane	U	0.001	mg/L	0.001	SW846-8260
1,2-Dichloropropane	U	0.001	mg/L	0.001	SW846-8260
1,2-Dimethylbenzene	U	0.001	mg/L	0.001	SW846-8260
2-Butanone	U	0.005	mg/L	0.005	SW846-8260
2-Hexanone	U	0.005	mg/L	0.005	SW846-8260
4-Methyl-2-pentanone	U	0.005	mg/L	0.005	SW846-8260
Acetone	JU	0.005	mg/L	0.005	SW846-8260
Benzene	U	0.001	mg/L	0.001	SW846-8260
Bromodichloromethane	U	0.001	mg/L	0.001	SW846-8260
Bromoform	U	0.002	mg/L	0.002	SW846-8260
Bromomethane	U	0.002	mg/L	0.002	SW846-8260
Carbon disulfide	U	0.001	mg/L	0.001	SW846-8260
Carbon tetrachloride	U	0.001	mg/L	0.001	SW846-8260
Chlorobenzene	U	0.001	mg/L	0.001	SW846-8260
Chloroethane	U	0.001	mg/L	0.001	SW846-8260
Chloroform	U	0.001	mg/L	0.001	SW846-8260
Chloromethane	U	0.002	mg/L	0.002	SW846-8260
cis-1,2-Dichloroethene		0.0045	mg/L	0.001	SW846-8260
cis-1,3-Dichloropropene	U	0.001	mg/L	0.001	SW846-8260
Dibromochloromethane	U	0.001	mg/L	0.001	SW846-8260
Ethylbenzene	U	0.001	mg/L	0.001	SW846-8260
m,p-Xylene	U	0.002	mg/L	0.002	SW846-8260
Methylene chloride	U	0.001	mg/L	0.001	SW846-8260
Styrene	U	0.001	mg/L	0.001	SW846-8260
Tetrachloroethene	U	0.001	mg/L	0.001	SW846-8260
Toluene	U	0.001	mg/L	0.001	SW846-8260
trans-1,2-Dichloroethene	U	0.001	mg/L	0.001	SW846-8260
trans-1,3-Dichloropropene	JU	0.001	mg/L	0.001	SW846-8260
Trichloroethene	D	0.17	mg/L	0.002	SW846-8260
Vinyl chloride	U	0.001	mg/L	0.001	SW846-8260

# Paducah-OREIS Data Report

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**MW95A**

**19396**

**MW95ASWSIA293**

Collected: 7/20/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	*NU	0.2	mg/L		0.2	SW846-6010A
Antimony	U	0.005	mg/L		0.005	SW846-6020
Arsenic	BU	0.001	mg/L		0.001	SW846-6020
Barium		0.129	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Cadmium	BU	0.001	mg/L		0.001	SW846-6020
Calcium		19.7	mg/L		1	SW846-6010A
Chromium	BUX	0.02	mg/L		0.02	SW846-6020
Cobalt	BU	0.001	mg/L		0.001	SW846-6020
Copper	U	0.02	mg/L		0.02	SW846-6020
Iron	U	0.1	mg/L		0.1	SW846-6010A
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		8.02	mg/L		0.025	SW846-6010A
Manganese		0.199	mg/L		0.005	SW846-6020
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470
Nickel	JNU	0.005	mg/L		0.005	SW846-6020
Potassium		0.378	mg/L		0.2	SW846-6010A
Selenium	U	0.005	mg/L		0.005	SW846-6020
Silver	U	0.001	mg/L		0.001	SW846-6020
Sodium		13.1	mg/L		2	SW846-6010A
Thallium	BU	0.002	mg/L		0.002	SW846-6020
Uranium	BU	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	NU	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.91	Inches/Hg			
<b>PHYSC</b>						
Conductivity		253	umho/cm			
Depth to Water		49.17	ft			
Dissolved Oxygen		2.68	mg/L			
pH		6.07	Std Unit			
Redox		212	mV			
Temperature		18.7	deg C			
Turbidity		5.4	NTU			
<b>RADS</b>						
Alpha activity	U	0.332	pCi/L	0.221	3.3	EPA-900.0
Beta activity		12.8	pCi/L	2.04	5.03	EPA-900.0
Neptunium-237	U	-0.0879	pCi/L	0.0291	0.428	RL-7128
Plutonium-239/240	U	0.00165	pCi/L	0.0297	0.0985	RL-7128
Technetium-99		24.4	pCi/L	10.4	14.6	RL-7100
Uranium-234	U	0.208	pCi/L	0.0855	0.391	RL-7128
Uranium-235	U	0.0266	pCi/L	0.0299	0.1	RL-7128
Uranium-238	U	0.262	pCi/L	0.0909	0.624	RL-7128
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.001	mg/L		0.001	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.002	mg/L		0.002	SW846-8260
1,1,2-Trichloroethane	U	0.001	mg/L		0.001	SW846-8260
1,1-Dichloroethane	U	0.001	mg/L		0.001	SW846-8260
1,1-Dichloroethene		0.001	mg/L		0.001	SW846-8260

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## MW95A

### 19396

1,2-Dichloroethane	U	0.001	mg/L	0.001	SW846-8260
1,2-Dichloropropane	U	0.001	mg/L	0.001	SW846-8260
1,2-Dimethylbenzene	U	0.001	mg/L	0.001	SW846-8260
2-Butanone	U	0.005	mg/L	0.005	SW846-8260
2-Hexanone	U	0.005	mg/L	0.005	SW846-8260
4-Methyl-2-pentanone	U	0.005	mg/L	0.005	SW846-8260
Acetone	JU	0.005	mg/L	0.005	SW846-8260
Benzene	U	0.001	mg/L	0.001	SW846-8260
Bromodichloromethane	U	0.001	mg/L	0.001	SW846-8260
Bromoform	U	0.002	mg/L	0.002	SW846-8260
Bromomethane	U	0.002	mg/L	0.002	SW846-8260
Carbon disulfide	U	0.001	mg/L	0.001	SW846-8260
Carbon tetrachloride	U	0.001	mg/L	0.001	SW846-8260
Chlorobenzene	U	0.001	mg/L	0.001	SW846-8260
Chloroethane	U	0.001	mg/L	0.001	SW846-8260
Chloroform	U	0.001	mg/L	0.001	SW846-8260
Chloromethane	U	0.002	mg/L	0.002	SW846-8260
cis-1,2-Dichloroethene		0.0012	mg/L	0.001	SW846-8260
cis-1,3-Dichloropropene	U	0.001	mg/L	0.001	SW846-8260
Dibromochloromethane	U	0.001	mg/L	0.001	SW846-8260
Ethylbenzene	U	0.001	mg/L	0.001	SW846-8260
m,p-Xylene	U	0.002	mg/L	0.002	SW846-8260
Methylene chloride	U	0.001	mg/L	0.001	SW846-8260
Styrene	U	0.001	mg/L	0.001	SW846-8260
Tetrachloroethene	U	0.001	mg/L	0.001	SW846-8260
Toluene	U	0.001	mg/L	0.001	SW846-8260
trans-1,2-Dichloroethene	U	0.001	mg/L	0.001	SW846-8260
trans-1,3-Dichloropropene	JU	0.001	mg/L	0.001	SW846-8260
Trichloroethene		0.089	mg/L	0.001	SW846-8260
Vinyl chloride	U	0.001	mg/L	0.001	SW846-8260

# Paducah-OREIS Data Report

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12/18/2007

**MW369**  
**19412**  
**MW369UG4-04**

Collected: 7/13/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		45.4	mg/L		2	SW846-9056
Fluoride		0.22	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		15.7	mg/L		5	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Antimony	U	0.005	mg/L		0.005	SW846-6020
Arsenic	U	0.01	mg/L		0.01	SW846-6020
Barium	N	0.311	mg/L		0.005	SW846-6020
Barium, Dissolved		0.337	mg/L		0.005	SW846-6020
Beryllium	*U	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6010A
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium	N	19.4	mg/L		1	SW846-6010A
Chromium	U	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved			NA			SW846-6020
Cobalt	B	0.0619	mg/L		0.001	SW846-6020
Copper	U	0.02	mg/L		0.02	SW846-6020
Iron		1.1	mg/L		0.1	SW846-6010A
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium	N	8.53	mg/L		0.02	SW846-6010A
Manganese	N	0.664	mg/L		0.005	SW846-6020
Mercury	UW	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	U	0.001	mg/L		0.001	SW846-6020
Nickel		0.0107	mg/L		0.005	SW846-6020
Potassium	B	0.79	mg/L		0.2	SW846-6010A
Rhodium	BU	0.005	mg/L		0.005	SW846-6020
Selenium	U	0.005	mg/L		0.005	SW846-6020
Silver	U	0.001	mg/L		0.001	SW846-6020
Sodium	N	54	mg/L		2	SW846-6010A
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	BU	0.002	mg/L		0.002	SW846-6020
Uranium	BU	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved			NA			SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.91	Inches/Hg			
<b>PHYSC</b>						
Conductivity		416	umho/cm			
Depth to Water		37.65	ft			
Dissolved Oxygen		1.1	mg/L			
Dissolved Solids		245	mg/L		50	EPA-160.1
pH		6.16	Std Unit			
Redox		243	mV			
Temperature		63.9	deg F			
Turbidity		16.5	NTU			
<b>PCCB</b>						

Paducah-OREIS Data Report

MW369

19412

PCB, Total		0.00042	mg/L		0.0002	SW846-8082
PCB-1016		0.00042	mg/L		0.0002	SW846-8082
PCB-1221	U	0.00018	mg/L		0.0002	SW846-8082
PCB-1232	U	0.00014	mg/L		0.0001	SW846-8082
PCB-1242	U	0.0001	mg/L		0.0001	SW846-8082
PCB-1248	U	0.00012	mg/L		0.0001	SW846-8082
PCB-1254	U	0.00007	mg/L		7E-05	SW846-8082
PCB-1260	U	0.00005	mg/L		5E-05	SW846-8082
PCB-1268	U	0.00009	mg/L		9E-05	SW846-8082

RADS

Alpha activity	U	2.62	pCi/L	1.45	4.93	EPA-900.0
Beta activity		5.8	pCi/L	1.2	5.5	EPA-900.0
Iodine-131	U	0.855	pCi/L	1.71	5.06	RL-7124
Strontium-90	U	-0.704	pCi/L	0.11	6.66	RL-7140
Technetium-99	U	16.3	pCi/L	13.2	19	RL-7100
Thorium-234	U	5.95	pCi/L	11.9	48.2	RL-7124
Tritium	U	144	pCi/L	177	291	704R6

SVOA

1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260

VOA

1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L		0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	JU	0.01	mg/L		0.01	SW846-8260
Acrolein	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	JU	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260

# Paducah-OREIS Data Report

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## MW369

### 19412

Ethanol	U	0.25 mg/L	0.25	SW846-8015
Ethyl methacrylate	JU	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	JU	0.005 mg/L	0.005	SW846-8260
Methylene chloride	U	0.005 mg/L	0.005	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene		0.003 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	35 mg/L	35	EPA-410.4 1978
Cyanide	JU	0.05 mg/L	0.05	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		1.2 mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.0242 mg/L	0.01	SW846-9020A

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# Paducah-OREIS Data Report

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**MW370**  
**19412**  
**MW370UG4-04**

Collected: 7/13/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		50.4	mg/L		5	SW846-9056
Fluoride		0.18	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		20.6	mg/L		5	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Antimony	U	0.005	mg/L		0.005	SW846-6020
Arsenic	U	0.01	mg/L		0.01	SW846-6020
Barium	N	0.214	mg/L		0.005	SW846-6020
Barium, Dissolved		0.22	mg/L		0.005	SW846-6020
Beryllium	*U	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6010A
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium	N	32.2	mg/L		1	SW846-6010A
Chromium	U	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved			NA			SW846-6020
Cobalt	B	0.0111	mg/L		0.001	SW846-6020
Copper	U	0.02	mg/L		0.02	SW846-6020
Iron		1.01	mg/L		0.1	SW846-6010A
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium	N	13.2	mg/L		0.02	SW846-6010A
Manganese	N	0.291	mg/L		0.005	SW846-6020
Mercury	UW	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	U	0.001	mg/L		0.001	SW846-6020
Nickel		0.00521	mg/L		0.005	SW846-6020
Potassium		2.71	mg/L		0.2	SW846-6010A
Rhodium	BU	0.005	mg/L		0.005	SW846-6020
Selenium	U	0.005	mg/L		0.005	SW846-6020
Silver	U	0.001	mg/L		0.001	SW846-6020
Sodium	N	43.4	mg/L		2	SW846-6010A
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	BU	0.002	mg/L		0.002	SW846-6020
Uranium	BU	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved			NA			SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.91	Inches/Hg			
<b>PHYSC</b>						
Conductivity		453	umho/cm			
Depth to Water		38.55	ft			
Dissolved Oxygen		1.02	mg/L			
Dissolved Solids		245	mg/L		50	EPA-160.1
pH		6.04	Std Unit			
Redox		293	mV			
Temperature		65.6	deg F			
Turbidity		16.7	NTU			
<b>PCCB</b>						

# Paducah-OREIS Data Report

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12/18/2007

## MW370

### 19412

PCB, Total	U	0.00018	mg/L	0.0002	SW846-8082
PCB-1016	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1221	U	0.00018	mg/L	0.0002	SW846-8082
PCB-1232	U	0.00014	mg/L	0.0001	SW846-8082
PCB-1242	U	0.0001	mg/L	0.0001	SW846-8082
PCB-1248	U	0.00012	mg/L	0.0001	SW846-8082
PCB-1254	U	0.00007	mg/L	7E-05	SW846-8082
PCB-1260	U	0.00005	mg/L	5E-05	SW846-8082
PCB-1268	U	0.00009	mg/L	9E-05	SW846-8082

#### RADS

Alpha activity	U	2.38	pCi/L	1.23	4.74	EPA-900.0
Beta activity		19.2	pCi/L	2.82	5.45	EPA-900.0
Iodine-131	U	-3.08	pCi/L	6.17	5.16	RL-7124
Strontium-90	U	-3.5	pCi/L	0.63	6.61	RL-7140
Technetium-99		25.5	pCi/L	13.5	19	RL-7100
Thorium-234	U	-13	pCi/L	25.9	48	RL-7124
Tritium	U	-14.4	pCi/L	175	293	704R6

#### SVOA

1,2-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260

#### VOA

1,1,1,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JU	0.0002	mg/L	0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	0.005	SW846-8260
2-Butanone	U	0.01	mg/L	0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L	0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L	0.01	SW846-8260
Acetone	JU	0.01	mg/L	0.01	SW846-8260
Acrolein	JU	0.01	mg/L	0.01	SW846-8260
Acrylonitrile	JU	0.01	mg/L	0.01	SW846-8260
Benzene	U	0.005	mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromoform	U	0.005	mg/L	0.005	SW846-8260
Bromomethane	U	0.005	mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L	0.005	SW846-8260
Chloroethane	U	0.005	mg/L	0.005	SW846-8260
Chloroform	U	0.005	mg/L	0.005	SW846-8260
Chloromethane	U	0.005	mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Dibromomethane	U	0.005	mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	0.005	SW846-8260



# Paducah-OREIS Data Report

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## MW370

### 19412

Ethanol	U	0.25 mg/L	0.25	SW846-8015
Ethyl methacrylate	JU	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	JU	0.005 mg/L	0.005	SW846-8260
Methylene chloride	U	0.005 mg/L	0.005	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene		0.012 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	35 mg/L	35	EPA-410.4 1978
Cyanide	JU	0.05 mg/L	0.05	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		1 mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.0136 mg/L	0.01	SW846-9020A

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# Paducah-OREIS Data Report

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**MW371**  
**19412**  
**MW371UG4-04**

Collected: 7/13/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		7.7	mg/L		2	SW846-9056
Fluoride		0.3	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate	U	5	mg/L		5	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Antimony	U	0.005	mg/L		0.005	SW846-6020
Arsenic	U	0.01	mg/L		0.01	SW846-6020
Barium	N	0.0934	mg/L		0.005	SW846-6020
Barium, Dissolved		0.0942	mg/L		0.005	SW846-6020
Beryllium	*U	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6010A
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium	N	27.6	mg/L		1	SW846-6010A
Chromium	U	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved			NA			SW846-6020
Cobalt	BU	0.001	mg/L		0.001	SW846-6020
Copper	U	0.02	mg/L		0.02	SW846-6020
Iron		0.16	mg/L		0.1	SW846-6010A
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium	N	11.3	mg/L		0.02	SW846-6010A
Manganese	N	0.0129	mg/L		0.005	SW846-6020
Mercury	UW	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	U	0.001	mg/L		0.001	SW846-6020
Nickel	U	0.005	mg/L		0.005	SW846-6020
Potassium	B	0.418	mg/L		0.2	SW846-6010A
Rhodium	BU	0.005	mg/L		0.005	SW846-6020
Selenium	U	0.005	mg/L		0.005	SW846-6020
Silver	U	0.001	mg/L		0.001	SW846-6020
Sodium	N	137	mg/L		2	SW846-6010A
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	BU	0.002	mg/L		0.002	SW846-6020
Uranium	BU	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved			NA			SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.91	Inches/Hg			
<b>PHYSC</b>						
Conductivity		682	umho/cm			
Depth to Water		22.67	ft			
Dissolved Oxygen		1.45	mg/L			
Dissolved Solids		411	mg/L		50	EPA-160.1
pH		6.63	Std Unit			
Redox		296	mV			
Temperature		66.1	deg F			
Turbidity		3.3	NTU			
<b>PCCB</b>						

# Paducah-OREIS Data Report

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12/18/2007

## MW371

### 19412

PCB, Total	U	0.00018	mg/L	0.0002	SW846-8082
PCB-1016	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1221	U	0.00018	mg/L	0.0002	SW846-8082
PCB-1232	U	0.00014	mg/L	0.0001	SW846-8082
PCB-1242	U	0.0001	mg/L	0.0001	SW846-8082
PCB-1248	U	0.00012	mg/L	0.0001	SW846-8082
PCB-1254	U	0.00007	mg/L	7E-05	SW846-8082
PCB-1260	U	0.00005	mg/L	5E-05	SW846-8082
PCB-1268	U	0.00009	mg/L	9E-05	SW846-8082

#### RADS

Alpha activity	U	0.058	pCi/L	0.04	11.7	EPA-900.0
Beta activity	U	-0.543	pCi/L	0.13	7.6	EPA-900.0
Iodine-131	U	0.176	pCi/L	0.35	5.34	RL-7124
Strontium-90	U	-2.89	pCi/L	0.51	6.66	RL-7140
Technetium-99	U	1.55	pCi/L	12.8	19	RL-7100
Thorium-234	U	-4.09	pCi/L	8.17	49.8	RL-7124
Tritium	U	34.9	pCi/L	175	291	704R6

#### SVOA

1,2-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260

#### VOA

1,1,1,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.0002	mg/L	0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	0.005	SW846-8260
2-Butanone	U	0.01	mg/L	0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L	0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L	0.01	SW846-8260
Acetone	JU	0.01	mg/L	0.01	SW846-8260
Acrolein	JU	0.01	mg/L	0.01	SW846-8260
Acrylonitrile	JU	0.01	mg/L	0.01	SW846-8260
Benzene	U	0.005	mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromoform	U	0.005	mg/L	0.005	SW846-8260
Bromomethane	U	0.005	mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L	0.005	SW846-8260
Chloroethane	U	0.005	mg/L	0.005	SW846-8260
Chloroform	U	0.005	mg/L	0.005	SW846-8260
Chloromethane	U	0.005	mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Dibromomethane	U	0.005	mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	0.005	SW846-8260

# Paducah-OREIS Data Report

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12/18/2007

## MW371

### 19412

Ethanol	U	0.25 mg/L	0.25	SW846-8015
Ethyl methacrylate	JU	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	JU	0.005 mg/L	0.005	SW846-8260
Methylene chloride	U	0.005 mg/L	0.005	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	35 mg/L	35	EPA-410.4 1978
Cyanide	JU	0.05 mg/L	0.05	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		2.5 mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.0232 mg/L	0.01	SW846-9020A

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# Paducah-OREIS Data Report

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12/18/2007

**MW220**

**19438**

**MW220SG4-04**

Collected: 7/21/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METEO</b>						
Barometric Pressure Reading		29.91	Inches/Hg			
<b>PHYSC</b>						
Conductivity		353	umho/cm			
Depth to Water		54.58	ft			
Dissolved Oxygen		4.46	mg/L			
pH		5.9	Std Unit			
Redox		319	mV			
Temperature		62.5	deg F			
Turbidity		6.1	NTU			
<b>RADS</b>						
Radium-226	U	0.382	pCi/L	0.27	0.67	RL-7129

# Paducah-OREIS Data Report

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12/18/2007

**MW221**

**19438**

**MW221SG4-04**

Collected: 7/21/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METEO</b>						
Barometric Pressure Reading		29.91	Inches/Hg			
<b>PHYSC</b>						
Conductivity		393	umho/cm			
Depth to Water		64.26	ft			
Dissolved Oxygen		3.97	mg/L			
pH		6.03	Std Unit			
Redox		348	mV			
Temperature		63.8	deg F			
Turbidity		5.4	NTU			
<b>RADS</b>						
Radium-226	U	-0.0775	pCi/L	0.23	0.77	RL-7129

# Paducah-OREIS Data Report

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**MW222**

**19438**

**MW222SG4-04**

Collected: 7/20/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METEO</b>						
Barometric Pressure Reading		29.88	Inches/Hg			
<b>PHYSC</b>						
Conductivity		404	umho/cm			
Depth to Water		68.24	ft			
Dissolved Oxygen		1.42	mg/L			
pH		6.4	Std Unit			
Redox		297	mV			
Temperature		70.9	deg F			
Turbidity		19.8	NTU			
<b>RADS</b>						
Radium-226	U	0.224	pCi/L	0.34	0.81	RL-7129

# Paducah-OREIS Data Report

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**MW223**

**19438**

**MW223SG4-04**

Collected: 7/20/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METEO</b>						
Barometric Pressure Reading		29.88	Inches/Hg			
<b>PHYSC</b>						
Conductivity		377	umho/cm			
Depth to Water		67.42	ft			
Dissolved Oxygen		2.02	mg/L			
pH		6.1	Std Unit			
Redox		374	mV			
Temperature		68.4	deg F			
Turbidity		12	NTU			
<b>RADS</b>						
Radium-226	U	0.223	pCi/L	0.3	0.69	RL-7129



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**MW224**

**19438**

**MW224SG4-04**

Collected: 7/21/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METEO</b>						
Barometric Pressure Reading		29.88	Inches/Hg			
<b>PHYSC</b>						
Conductivity		487	umho/cm			
Depth to Water		68.73	ft			
Dissolved Oxygen		1.93	mg/L			
pH		6.1	Std Unit			
Redox		319	mV			
Temperature		69.4	deg F			
Turbidity		3.5	NTU			
<b>RADS</b>						
Radium-226	U	0.116	pCi/L	0.31	0.81	RL-7129

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**MW384**

**19438**

**MW384SG4-04**

Collected: 7/20/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METEO</b>						
Barometric Pressure Reading		29.91	Inches/Hg			
<b>PHYSC</b>						
Conductivity		716	umho/cm			
Depth to Water		38.5	ft			
Dissolved Oxygen		0.95	mg/L			
pH		6.76	Std Unit			
Redox		-14	mV			
Temperature		62.2	deg F			
Turbidity		5.6	NTU			
<b>RADS</b>						
Radium-226	U	0.351	pCi/L	0.34	0.74	RL-7129

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**MW385**

**19438**

**MW385SG4-04**

Collected: 7/20/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METEO</b>						
Barometric Pressure Reading		29.91	Inches/Hg			
<b>PHYSC</b>						
Conductivity		475	umho/cm			
Depth to Water		38.9	ft			
Dissolved Oxygen		1.36	mg/L			
pH		7.01	Std Unit			
Redox		141	mV			
Temperature		63.2	deg F			
Turbidity		3.1	NTU			
<b>RADS</b>						
Radium-226	U	0.0942	pCi/L	0.24	0.77	RL-7129

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**MW386**

**19438**

**MW386SG4-04**

Collected: 7/20/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METEO</b>						
Barometric Pressure Reading		29.91	Inches/Hg			
<b>PHYSC</b>						
Conductivity		623	umho/cm			
Depth to Water		20.95	ft			
Dissolved Oxygen		1.05	mg/L			
pH		6.73	Std Unit			
Redox		47	mV			
Temperature		62	deg F			
Turbidity		31.5	NTU			
<b>RADS</b>						
Radium-226	U	0.397	pCi/L	0.31	0.71	RL-7129

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**MW387**

**19438**

**MW387SG4-04**

Collected: 7/19/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METEO</b>						
Barometric Pressure Reading		29.88	Inches/Hg			
<b>PHYSC</b>						
Conductivity		476	umho/cm			
Depth to Water		36.63	ft			
Dissolved Oxygen		4.7	mg/L			
pH		6.3	Std Unit			
Redox		307	mV			
Temperature		64.9	deg F			
Turbidity		5	NTU			
<b>RADS</b>						
Radium-226	U	0.167	pCi/L	0.25	0.72	RL-7129

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**MW388**

**19438**

**MW388SG4-04**

Collected: 7/19/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METEO</b>						
Barometric Pressure Reading		29.88	Inches/Hg			
<b>PHYSC</b>						
Conductivity		395	umho/cm			
Depth to Water		36.61	ft			
Dissolved Oxygen		5.1	mg/L			
pH		6.32	Std Unit			
Redox		286	mV			
Temperature		63.7	deg F			
Turbidity		3.4	NTU			
<b>RADS</b>						
Radium-226	U	0.26	pCi/L	0.31	0.76	RL-7129

**MW388DSG4-04**

Collected: 7/19/2004

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METEO</b>						
Barometric Pressure Reading		29.88	Inches/Hg			
<b>PHYSC</b>						
Conductivity		395	umho/cm			
Depth to Water		36.61	ft			
Dissolved Oxygen		5.1	mg/L			
pH		6.32	Std Unit			
Redox		286	mV			
Temperature		63.7	deg F			
Turbidity		3.4	NTU			
<b>RADS</b>						
Radium-226	U	0.528	pCi/L	0.36	0.73	RL-7129

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**MW390**

**19438**

**MW390SG4-04**

Collected: 7/19/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METEO</b>						
Barometric Pressure Reading		29.88	Inches/Hg			
<b>PHYSC</b>						
Conductivity		1237	umho/cm			
Depth to Water		33.75	ft			
Dissolved Oxygen		3.26	mg/L			
pH		6.28	Std Unit			
Redox		308	mV			
Temperature		64.3	deg F			
Turbidity		23.4	NTU			
<b>RADS</b>						
Radium-226	U	0.146	pCi/L	0.39	0.8	RL-7129

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**MW391**  
**19438**  
**MW391SG4-04**

Collected: 7/20/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METEO</b>						
Barometric Pressure Reading		29.91	Inches/Hg			
<b>PHYSC</b>						
Conductivity		355	umho/cm			
Depth to Water		39.93	ft			
Dissolved Oxygen		3.84	mg/L			
pH		6.28	Std Unit			
Redox		174	mV			
Temperature		63.5	deg F			
Turbidity		9.3	NTU			
<b>RADS</b>						
Radium-226	U	0.166	pCi/L	0.2	0.75	RL-7129



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**MW392**

**19438**

**MW392SG4-04**

Collected: 7/20/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METEO</b>						
Barometric Pressure Reading		29.91	Inches/Hg			
<b>PHYSC</b>						
Conductivity		438	umho/cm			
Depth to Water		39.08	ft			
Dissolved Oxygen		0.99	mg/L			
pH		6.62	Std Unit			
Redox		127	mV			
Temperature		63.7	deg F			
Turbidity		5.8	NTU			
<b>RADS</b>						
Radium-226	U	0.0531	pCi/L	0.3	0.76	RL-7129

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**MW393**

**19438**

**MW393SG4-04**

Collected: 7/20/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METEO</b>						
Barometric Pressure Reading		29.91	Inches/Hg			
<b>PHYSC</b>						
Conductivity		529	umho/cm			
Depth to Water		25.25	ft			
Dissolved Oxygen		0.89	mg/L			
pH		6.51	Std Unit			
Redox		61	mV			
Temperature		64.2	deg F			
Turbidity		5.6	NTU			
<b>RADS</b>						
Radium-226	U	0.0354	pCi/L	0.07	0.68	RL-7129

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**MW394**

**19438**

**MW394SG4-04**

Collected: 7/20/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METEO</b>						
Barometric Pressure Reading		29.88	Inches/Hg			
<b>PHYSC</b>						
Conductivity		393	umho/cm			
Depth to Water		51.46	ft			
Dissolved Oxygen		3.43	mg/L			
pH		6	Std Unit			
Redox		236	mV			
Temperature		65.4	deg F			
Turbidity		5.2	NTU			
<b>RADS</b>						
Radium-226	U	0.29	pCi/L	0.32	0.7	RL-7129

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**MW395**

**19438**

**MW395SG4-04**

Collected: 7/20/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METEO</b>						
Barometric Pressure Reading		29.88	Inches/Hg			
<b>PHYSC</b>						
Conductivity		404	umho/cm			
Depth to Water		52.12	ft			
Dissolved Oxygen		4.41	mg/L			
pH		5.9	Std Unit			
Redox		268	mV			
Temperature		69.3	deg F			
Turbidity		5	NTU			
<b>RADS</b>						
Radium-226	U	0.105	pCi/L	0.32	0.85	RL-7129

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**MW396**

**19438**

**MW396SG4-04**

Collected: 7/20/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METEO</b>						
Barometric Pressure Reading		29.88	Inches/Hg			
<b>PHYSC</b>						
Conductivity		962	umho/cm			
Depth to Water		9.34	ft			
Dissolved Oxygen		1.24	mg/L			
pH		6.5	Std Unit			
Redox		-3	mV			
Temperature		73.3	deg F			
Turbidity		8.2	NTU			
<b>RADS</b>						
Radium-226	U	0.0879	pCi/L	0.27	0.75	RL-7129

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**MW397**

**19438**

**MW397SG4-04**

Collected: 7/21/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METEO</b>						
Barometric Pressure Reading		29.91	Inches/Hg			
<b>PHYSC</b>						
Conductivity		329	umho/cm			
Depth to Water		60.1	ft			
Dissolved Oxygen		5.4	mg/L			
pH		5.98	Std Unit			
Redox		305	mV			
Temperature		65.3	deg F			
Turbidity		3.5	NTU			
<b>RADS</b>						
Radium-226	U	0.227	pCi/L	0.23	0.62	RL-7129

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**MW220**  
**19449**  
**MW220SG4-04**

Collected: 7/21/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		40.8	mg/L		2	SW846-9056
Fluoride		0.21	mg/L		0.1	9214
Nitrate as Nitrogen		1.5	mg/L		1	SW846-9056
Sulfate		10.5	mg/L		5	SW846-9056
<b>METAL</b>						
Aluminum		0.202	mg/L		0.2	SW846-6010A
Antimony	U	0.005	mg/L	0	0.005	SW846-6020
Arsenic	U	0.01	mg/L	0	0.01	SW846-6020
Barium	X	0.23	mg/L	0	0.005	SW846-6020
Barium, Dissolved	X	0.22	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L	0	0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6010A
Cadmium	U	0.001	mg/L	0	0.001	SW846-6020
Calcium	N	19	mg/L		1	SW846-6010A
Chromium	U	0.02	mg/L	0	0.02	SW846-6020
Chromium, Dissolved			NA			SW846-6020
Cobalt	B	0.00264	mg/L	0	0.001	SW846-6020
Copper	BU	0.02	mg/L	0	0.02	SW846-6020
Iron		0.382	mg/L		0.1	SW846-6010A
Lead	U	0.005	mg/L	0	0.005	SW846-6020
Magnesium	N	8.06	mg/L		0.02	SW846-6010A
Manganese		0.0841	mg/L	0	0.005	SW846-6020
Mercury	UW	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	B	0.00392	mg/L	0	0.001	SW846-6020
Nickel		0.0192	mg/L	0	0.005	SW846-6020
Potassium		3.97	mg/L		0.2	SW846-6010A
Rhodium	BU	0.005	mg/L	0	0.005	SW846-6020
Selenium	U	0.005	mg/L	0	0.005	SW846-6020
Silver	U	0.001	mg/L	0	0.001	SW846-6020
Sodium	N	33.8	mg/L		2	SW846-6010A
Tantalum	BU	0.005	mg/L	0	0.005	SW846-6020
Thallium	U	0.002	mg/L	0	0.002	SW846-6020
Uranium	BU	0.001	mg/L	0	0.001	SW846-6020
Uranium, Dissolved			NA			SW846-6020
Vanadium	U	0.02	mg/L	0	0.02	SW846-6020
Zinc	U	0.02	mg/L	0	0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.91	Inches/Hg			
<b>PHYSC</b>						
Conductivity		353	umho/cm			
Depth to Water		54.58	ft			
Dissolved Oxygen		4.46	mg/L			
Dissolved Solids		204	mg/L		50	EPA-160.1
pH		5.9	Std Unit			
Redox		319	mV			
Temperature		62.5	deg F			
Turbidity		6.1	NTU			
<b>PCCB</b>						

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## MW220

### 19449

PCB, Total	U	0.00018	mg/L	0.0002	SW846-8082
PCB-1016	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1221	U	0.00018	mg/L	0.0002	SW846-8082
PCB-1232	U	0.00014	mg/L	0.0001	SW846-8082
PCB-1242	U	0.0001	mg/L	0.0001	SW846-8082
PCB-1248	U	0.00012	mg/L	0.0001	SW846-8082
PCB-1254	U	0.00007	mg/L	7E-05	SW846-8082
PCB-1260	U	0.00005	mg/L	5E-05	SW846-8082
PCB-1268	U	0.00009	mg/L	9E-05	SW846-8082

#### RADS

Alpha activity	U	0.266	pCi/L	0.16	5.13	EPA-900.0
Beta activity		13.7	pCi/L	2.15	5.63	EPA-900.0
Iodine-131	U	-5.69	pCi/L	11.4	13.1	RL-7124
Strontium-90	U	-0.897	pCi/L	0.15	6.07	RL-7140
Technetium-99	U	14.6	pCi/L	12	17.2	RL-7100
Thorium-234	U	-21.1	pCi/L	42.1	49.4	RL-7124
Tritium	U	39.8	pCi/L	176	292	704R6

#### SVOA

1,2-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260

#### VOA

1,1,1,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethene	UY	0.005	mg/L	0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.0002	mg/L	0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	0.005	SW846-8260
2-Butanone	JU	0.01	mg/L	0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L	0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	JU	0.01	mg/L	0.01	SW846-8260
Acetone	JU	0.01	mg/L	0.01	SW846-8260
Acrolein	JU	0.01	mg/L	0.01	SW846-8260
Acrylonitrile	JU	0.01	mg/L	0.01	SW846-8260
Benzene	UY	0.005	mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromoform	U	0.005	mg/L	0.005	SW846-8260
Bromomethane	U	0.005	mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	0.005	SW846-8260
Chlorobenzene	UY	0.005	mg/L	0.005	SW846-8260
Chloroethane	U	0.005	mg/L	0.005	SW846-8260
Chloroform	U	0.005	mg/L	0.005	SW846-8260
Chloromethane	JU	0.005	mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Dibromomethane	U	0.005	mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	0.005	SW846-8260



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## MW220

### 19449

Ethanol	U	0.25 mg/L	0.25	SW846-8015
Ethyl methacrylate	JU	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	JU	0.005 mg/L	0.005	SW846-8260
Methylene chloride	U	0.005 mg/L	0.005	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	UY	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	UY	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	35 mg/L	35	EPA-410.4 1978
Cyanide	U	0.05 mg/L	0.05	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		3.1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.01 mg/L	0.01	SW846-9020A

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# Paducah-OREIS Data Report

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12/18/2007

**MW221**

**19449**

**MW221SG4-04**

Collected: 7/21/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		43.2	mg/L		2	SW846-9056
Fluoride		0.22	mg/L		0.1	9214
Nitrate as Nitrogen		1.7	mg/L		1	SW846-9056
Sulfate		11.8	mg/L		5	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Antimony	U	0.005	mg/L	0	0.005	SW846-6020
Arsenic	U	0.01	mg/L	0	0.01	SW846-6020
Barium	X	0.261	mg/L	0	0.005	SW846-6020
Barium, Dissolved	X	0.254	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L	0	0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6010A
Cadmium	U	0.001	mg/L	0	0.001	SW846-6020
Calcium	N	19.3	mg/L		1	SW846-6010A
Chromium	U	0.02	mg/L	0	0.02	SW846-6020
Chromium, Dissolved			NA			SW846-6020
Cobalt	B	0.00297	mg/L	0	0.001	SW846-6020
Copper	BU	0.02	mg/L	0	0.02	SW846-6020
Iron	U	0.1	mg/L		0.1	SW846-6010A
Lead	U	0.005	mg/L	0	0.005	SW846-6020
Magnesium	N	8.6	mg/L		0.02	SW846-6010A
Manganese		0.0365	mg/L	0	0.005	SW846-6020
Mercury	UW	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	B	0.00653	mg/L	0	0.001	SW846-6020
Nickel		0.00699	mg/L	0	0.005	SW846-6020
Potassium		1.41	mg/L		0.2	SW846-6010A
Rhodium	BU	0.005	mg/L	0	0.005	SW846-6020
Selenium		0.00524	mg/L	0	0.005	SW846-6020
Silver	U	0.001	mg/L	0	0.001	SW846-6020
Sodium	N	42.2	mg/L		2	SW846-6010A
Tantalum	BU	0.005	mg/L	0	0.005	SW846-6020
Thallium	U	0.002	mg/L	0	0.002	SW846-6020
Uranium	BU	0.001	mg/L	0	0.001	SW846-6020
Uranium, Dissolved			NA			SW846-6020
Vanadium	U	0.02	mg/L	0	0.02	SW846-6020
Zinc	U	0.02	mg/L	0	0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.91	Inches/Hg			
<b>PHYSC</b>						
Conductivity		393	umho/cm			
Depth to Water		64.26	ft			
Dissolved Oxygen		3.97	mg/L			
Dissolved Solids		228	mg/L		50	EPA-160.1
pH		6.03	Std Unit			
Redox		348	mV			
Temperature		63.8	deg F			
Turbidity		5.4	NTU			
<b>PCCB</b>						

# Paducah-OREIS Data Report

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12/18/2007

## MW221

### 19449

PCB, Total	U	0.00018	mg/L	0.0002	SW846-8082
PCB-1016	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1221	U	0.00018	mg/L	0.0002	SW846-8082
PCB-1232	U	0.00014	mg/L	0.0001	SW846-8082
PCB-1242	U	0.0001	mg/L	0.0001	SW846-8082
PCB-1248	U	0.00012	mg/L	0.0001	SW846-8082
PCB-1254	U	0.00007	mg/L	7E-05	SW846-8082
PCB-1260	U	0.00005	mg/L	5E-05	SW846-8082
PCB-1268	U	0.00009	mg/L	9E-05	SW846-8082

#### RADS

Alpha activity	U	1.49	pCi/L	0.82	6.5	EPA-900.0
Beta activity		9.7	pCi/L	1.77	5.56	EPA-900.0
Iodine-131	U	-0.541	pCi/L	1.08	12.7	RL-7124
Strontium-90	U	-2.84	pCi/L	0.53	6.35	RL-7140
Technetium-99	U	5.2	pCi/L	11.6	17.2	RL-7100
Thorium-234	U	-14.4	pCi/L	28.8	50	RL-7124
Tritium	U	21	pCi/L	175	292	704R6

#### SVOA

1,2-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260

#### VOA

1,1,1,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethene	UY	0.005	mg/L	0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.0002	mg/L	0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	0.005	SW846-8260
2-Butanone	JU	0.01	mg/L	0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L	0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	JU	0.01	mg/L	0.01	SW846-8260
Acetone	JU	0.01	mg/L	0.01	SW846-8260
Acrolein	JU	0.01	mg/L	0.01	SW846-8260
Acrylonitrile	JU	0.01	mg/L	0.01	SW846-8260
Benzene	UY	0.005	mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromoform	U	0.005	mg/L	0.005	SW846-8260
Bromomethane	U	0.005	mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	0.005	SW846-8260
Chlorobenzene	UY	0.005	mg/L	0.005	SW846-8260
Chloroethane	U	0.005	mg/L	0.005	SW846-8260
Chloroform	U	0.005	mg/L	0.005	SW846-8260
Chloromethane	JU	0.005	mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Dibromomethane	U	0.005	mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	0.005	SW846-8260

# Paducah-OREIS Data Report

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## MW221

### 19449

Ethanol	U	0.25 mg/L	0.25	SW846-8015
Ethyl methacrylate	JU	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	JU	0.005 mg/L	0.005	SW846-8260
Methylene chloride	U	0.005 mg/L	0.005	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	UY	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	UY	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	35 mg/L	35	EPA-410.4 1978
Cyanide	U	0.05 mg/L	0.05	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.01 mg/L	0.01	SW846-9020A

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# Paducah-OREIS Data Report

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12/18/2007

**MW222**  
**19449**  
**MW222SG4-04**

Collected: 7/21/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		40	mg/L		2	SW846-9056
Fluoride		0.33	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		13.5	mg/L		5	SW846-9056
<b>METAL</b>						
Aluminum		1.24	mg/L		0.2	SW846-6010A
Antimony	U	0.005	mg/L	0	0.005	SW846-6020
Arsenic	U	0.01	mg/L	0	0.01	SW846-6020
Barium	X	0.84	mg/L		0.05	SW846-6020
Barium, Dissolved		0.848	mg/L		0.05	SW846-6020
Beryllium	U	0.001	mg/L	0	0.001	SW846-6020
Boron	U	2	mg/L		2	SW846-6010A
Cadmium	U	0.001	mg/L	0	0.001	SW846-6020
Calcium	N	19	mg/L		1	SW846-6010A
Chromium	U	0.02	mg/L	0	0.02	SW846-6020
Chromium, Dissolved			NA			SW846-6020
Cobalt	B	0.0685	mg/L	0	0.001	SW846-6020
Copper	BU	0.02	mg/L	0	0.02	SW846-6020
Iron		1.62	mg/L		0.1	SW846-6010A
Lead	U	0.005	mg/L	0	0.005	SW846-6020
Magnesium	N	8.57	mg/L		0.02	SW846-6010A
Manganese		5.97	mg/L		0.05	SW846-6020
Mercury	UW	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	B	0.00257	mg/L	0	0.001	SW846-6020
Nickel		0.0365	mg/L	0	0.005	SW846-6020
Potassium		0.683	mg/L		0.2	SW846-6010A
Rhodium	BU	0.005	mg/L	0	0.005	SW846-6020
Selenium	U	0.005	mg/L	0	0.005	SW846-6020
Silver	U	0.001	mg/L	0	0.001	SW846-6020
Sodium	N	45.3	mg/L		2	SW846-6010A
Tantalum	BU	0.005	mg/L	0	0.005	SW846-6020
Thallium	U	0.002	mg/L	0	0.002	SW846-6020
Uranium	BU	0.001	mg/L	0	0.001	SW846-6020
Uranium, Dissolved			NA			SW846-6020
Vanadium	U	0.02	mg/L	0	0.02	SW846-6020
Zinc	U	0.02	mg/L	0	0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.88	Inches/Hg			
<b>PHYSC</b>						
Conductivity		404	umho/cm			
Depth to Water		68.24	ft			
Dissolved Oxygen		1.42	mg/L			
Dissolved Solids		247	mg/L		50	EPA-160.1
pH		6.4	Std Unit			
Redox		297	mV			
Temperature		70.9	deg F			
Turbidity		19.8	NTU			
<b>PCCB</b>						

# Paducah-OREIS Data Report

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## MW222

### 19449

PCB, Total		0.00026	mg/L	0.0001	SW846-8082
PCB-1016	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1221	U	0.00018	mg/L	0.0002	SW846-8082
PCB-1232	U	0.00014	mg/L	0.0001	SW846-8082
PCB-1242		0.00026	mg/L	0.0001	SW846-8082
PCB-1248	U	0.00012	mg/L	0.0001	SW846-8082
PCB-1254	U	0.00007	mg/L	7E-05	SW846-8082
PCB-1260	U	0.00005	mg/L	5E-05	SW846-8082
PCB-1268	U	0.00009	mg/L	9E-05	SW846-8082

#### RADS

Alpha activity	U	1.71	pCi/L	0.94	6.86	EPA-900.0
Beta activity		7.55	pCi/L	1.47	5.63	EPA-900.0
Iodine-131	U	-3.17	pCi/L	6.33	10.4	RL-7124
Strontium-90	U	0.854	pCi/L	0.13	6.16	RL-7140
Technetium-99	U	8.37	pCi/L	11.8	17.2	RL-7100
Thorium-234	U	0.0871	pCi/L	0.17	47.2	RL-7124
Tritium	U	62.9	pCi/L	176	292	704R6

#### SVOA

1,2-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260

#### VOA

1,1,1,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethene	UY	0.005	mg/L	0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.0002	mg/L	0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	0.005	SW846-8260
2-Butanone	JU	0.01	mg/L	0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L	0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	JU	0.01	mg/L	0.01	SW846-8260
Acetone	JU	0.01	mg/L	0.01	SW846-8260
Acrolein	JU	0.01	mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L	0.01	SW846-8260
Benzene	UY	0.005	mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromoform	U	0.005	mg/L	0.005	SW846-8260
Bromomethane	U	0.005	mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	0.005	SW846-8260
Chlorobenzene	UY	0.005	mg/L	0.005	SW846-8260
Chloroethane	U	0.005	mg/L	0.005	SW846-8260
Chloroform	U	0.005	mg/L	0.005	SW846-8260
Chloromethane	JU	0.005	mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Dibromomethane	U	0.005	mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	0.005	SW846-8260

# Paducah-OREIS Data Report

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12/18/2007

## MW222

### 19449

Ethanol	JU	0.25 mg/L	0.25	SW846-8015
Ethyl methacrylate	JU	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	JU	0.005 mg/L	0.005	SW846-8260
Methylene chloride	U	0.005 mg/L	0.005	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	UY	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	UY	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	35 mg/L	35	EPA-410.4 1978
Cyanide	U	0.05 mg/L	0.05	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.01 mg/L	0.01	SW846-9020A

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# Paducah-OREIS Data Report

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12/18/2007

**MW223**

**19449**

**MW223SG4-04**

Collected: 7/21/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		38	mg/L		2	SW846-9056
Fluoride		0.28	mg/L		0.1	9214
Nitrate as Nitrogen		1.1	mg/L		1	SW846-9056
Sulfate		12	mg/L		5	SW846-9056
<b>METAL</b>						
Aluminum		0.2	mg/L		0.2	SW846-6010A
Antimony	U	0.005	mg/L	0	0.005	SW846-6020
Arsenic	U	0.01	mg/L	0	0.01	SW846-6020
Barium	X	0.462	mg/L	0	0.005	SW846-6020
Barium, Dissolved	X	0.45	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L	0	0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6010A
Cadmium	U	0.001	mg/L	0	0.001	SW846-6020
Calcium	N	18.4	mg/L		1	SW846-6010A
Chromium	U	0.02	mg/L	0	0.02	SW846-6020
Chromium, Dissolved			NA			SW846-6020
Cobalt	B	0.0127	mg/L	0	0.001	SW846-6020
Copper	BU	0.02	mg/L	0	0.02	SW846-6020
Iron		0.366	mg/L		0.1	SW846-6010A
Lead	U	0.005	mg/L	0	0.005	SW846-6020
Magnesium	N	7.68	mg/L		0.02	SW846-6010A
Manganese		2.75	mg/L		0.05	SW846-6020
Mercury	UW	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	B	0.0149	mg/L	0	0.001	SW846-6020
Nickel		0.0957	mg/L	0	0.005	SW846-6020
Potassium		3.39	mg/L		0.2	SW846-6010A
Rhodium	BU	0.005	mg/L	0	0.005	SW846-6020
Selenium	U	0.005	mg/L	0	0.005	SW846-6020
Silver	U	0.001	mg/L	0	0.001	SW846-6020
Sodium	N	40.6	mg/L		2	SW846-6010A
Tantalum	BU	0.005	mg/L	0	0.005	SW846-6020
Thallium	U	0.002	mg/L	0	0.002	SW846-6020
Uranium	BU	0.001	mg/L	0	0.001	SW846-6020
Uranium, Dissolved			NA			SW846-6020
Vanadium	U	0.02	mg/L	0	0.02	SW846-6020
Zinc	U	0.02	mg/L	0	0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.88	Inches/Hg			
<b>PHYSC</b>						
Conductivity		377	umho/cm			
Depth to Water		67.42	ft			
Dissolved Oxygen		2.02	mg/L			
Dissolved Solids		217	mg/L		50	EPA-160.1
pH		6.1	Std Unit			
Redox		374	mV			
Temperature		68.4	deg F			
Turbidity		12	NTU			
<b>PCCB</b>						



# Paducah-OREIS Data Report

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## MW223

### 19449

PCB, Total		0.00025	mg/L		0.0001	SW846-8082
PCB-1016	U	0.00017	mg/L		0.0002	SW846-8082
PCB-1221	U	0.00018	mg/L		0.0002	SW846-8082
PCB-1232	U	0.00014	mg/L		0.0001	SW846-8082
PCB-1242		0.00025	mg/L		0.0001	SW846-8082
PCB-1248	U	0.00012	mg/L		0.0001	SW846-8082
PCB-1254	U	0.00007	mg/L		7E-05	SW846-8082
PCB-1260	U	0.00005	mg/L		5E-05	SW846-8082
PCB-1268	U	0.00009	mg/L		9E-05	SW846-8082

#### RADS

Alpha activity	U	-0.124	pCi/L	0.08	6.32	EPA-900.0
Beta activity		9.33	pCi/L	1.72	5.52	EPA-900.0
Iodine-131	U	6.38	pCi/L	12.8	11.2	RL-7124
Strontium-90	U	-0.279	pCi/L	0.04	5.94	RL-7140
Technetium-99	U	4.54	pCi/L	12	17.7	RL-7100
Thorium-234	U	-4.6	pCi/L	9.19	48.8	RL-7124
Tritium	U	37.7	pCi/L	176	292	704R6

#### SVOA

1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260

#### VOA

1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	UY	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	JU	0.01	mg/L		0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L		0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	JU	0.01	mg/L		0.01	SW846-8260
Acetone	JU	0.01	mg/L		0.01	SW846-8260
Acrolein	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	JU	0.01	mg/L		0.01	SW846-8260
Benzene	UY	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	UY	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	JU	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260

# Paducah-OREIS Data Report

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## MW223

### 19449

Ethanol	JU	0.25 mg/L	0.25	SW846-8015
Ethyl methacrylate	JU	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	JU	0.005 mg/L	0.005	SW846-8260
Methylene chloride	U	0.005 mg/L	0.005	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	UY	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	UY	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	35 mg/L	35	EPA-410.4 1978
Cyanide	U	0.05 mg/L	0.05	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.01 mg/L	0.01	SW846-9020A

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# Paducah-OREIS Data Report

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**MW224**  
**19449**  
**MW224SG4-04**

Collected: 7/21/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		38	mg/L		2	SW846-9056
Fluoride		0.3	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		17.3	mg/L		5	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Antimony	U	0.005	mg/L	0	0.005	SW846-6020
Arsenic	U	0.01	mg/L	0	0.01	SW846-6020
Barium	X	0.392	mg/L	0	0.005	SW846-6020
Barium, Dissolved	X	0.396	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L	0	0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6010A
Cadmium	U	0.001	mg/L	0	0.001	SW846-6020
Calcium	N	30.6	mg/L		1	SW846-6010A
Chromium	U	0.02	mg/L	0	0.02	SW846-6020
Chromium, Dissolved			NA			SW846-6020
Cobalt	B	0.0206	mg/L	0	0.001	SW846-6020
Copper	BU	0.02	mg/L	0	0.02	SW846-6020
Iron	BU	0.1	mg/L		0.1	SW846-6010A
Lead	U	0.005	mg/L	0	0.005	SW846-6020
Magnesium	N	12.6	mg/L		0.02	SW846-6010A
Manganese		1.55	mg/L		0.05	SW846-6020
Mercury	UW	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BU	0.001	mg/L	0	0.001	SW846-6020
Nickel		0.0105	mg/L	0	0.005	SW846-6020
Potassium		0.924	mg/L		0.2	SW846-6010A
Rhodium	BU	0.005	mg/L	0	0.005	SW846-6020
Selenium	U	0.005	mg/L	0	0.005	SW846-6020
Silver	U	0.001	mg/L	0	0.001	SW846-6020
Sodium	N	54.1	mg/L		2	SW846-6010A
Tantalum	BU	0.005	mg/L	0	0.005	SW846-6020
Thallium	U	0.002	mg/L	0	0.002	SW846-6020
Uranium	BU	0.001	mg/L	0	0.001	SW846-6020
Uranium, Dissolved			NA			SW846-6020
Vanadium	U	0.02	mg/L	0	0.02	SW846-6020
Zinc	U	0.02	mg/L	0	0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.88	Inches/Hg			
<b>PHYSC</b>						
Conductivity		487	umho/cm			
Depth to Water		68.73	ft			
Dissolved Oxygen		1.93	mg/L			
Dissolved Solids		284	mg/L		50	EPA-160.1
pH		6.1	Std Unit			
Redox		319	mV			
Temperature		69.4	deg F			
Turbidity		3.5	NTU			
<b>PCCB</b>						

# Paducah-OREIS Data Report

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## MW224

### 19449

PCB, Total	U	0.00018	mg/L	0.0002	SW846-8082
PCB-1016	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1221	U	0.00018	mg/L	0.0002	SW846-8082
PCB-1232	U	0.00014	mg/L	0.0001	SW846-8082
PCB-1242	U	0.0001	mg/L	0.0001	SW846-8082
PCB-1248	U	0.00012	mg/L	0.0001	SW846-8082
PCB-1254	U	0.00007	mg/L	7E-05	SW846-8082
PCB-1260	U	0.00005	mg/L	5E-05	SW846-8082
PCB-1268	U	0.00009	mg/L	9E-05	SW846-8082

#### RADS

Alpha activity	U	0.957	pCi/L	0.57	7.23	EPA-900.0
Beta activity		6.58	pCi/L	1.33	5.7	EPA-900.0
Iodine-131	U	-3.97	pCi/L	7.93	10.8	RL-7124
Strontium-90	U	-1.15	pCi/L	0.19	5.47	RL-7140
Technetium-99	U	7.86	pCi/L	11.7	17.2	RL-7100
Thorium-234	U	-7.88	pCi/L	15.8	49.9	RL-7124
Tritium	U	81.8	pCi/L	176	292	704R6

#### SVOA

1,2-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260

#### VOA

1,1,1,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethene	UY	0.005	mg/L	0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.0002	mg/L	0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	0.005	SW846-8260
2-Butanone	JU	0.01	mg/L	0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L	0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	JU	0.01	mg/L	0.01	SW846-8260
Acetone	JU	0.01	mg/L	0.01	SW846-8260
Acrolein	JU	0.01	mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L	0.01	SW846-8260
Benzene	UY	0.005	mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromoform	U	0.005	mg/L	0.005	SW846-8260
Bromomethane	U	0.005	mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	0.005	SW846-8260
Chlorobenzene	UY	0.005	mg/L	0.005	SW846-8260
Chloroethane	U	0.005	mg/L	0.005	SW846-8260
Chloroform	U	0.005	mg/L	0.005	SW846-8260
Chloromethane	JU	0.005	mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Dibromomethane	U	0.005	mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	0.005	SW846-8260

# Paducah-OREIS Data Report

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## MW224

### 19449

Ethanol	U	0.25 mg/L	0.25	SW846-8015
Ethyl methacrylate	JU	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	JU	0.005 mg/L	0.005	SW846-8260
Methylene chloride	U	0.005 mg/L	0.005	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	UY	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	Y	0.0012 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	35 mg/L	35	EPA-410.4 1978
Cyanide	U	0.05 mg/L	0.05	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.0191 mg/L	0.01	SW846-9020A

# Paducah-OREIS Data Report

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**MW384**

**19449**

**MW384SG4-04**

Collected: 7/20/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		59.8	mg/L		10	SW846-9056
Fluoride		0.33	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		23.2	mg/L		5	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Antimony	U	0.005	mg/L		0.005	SW846-6020
Arsenic	X	0.0109	mg/L		0.01	SW846-6020
Barium		0.287	mg/L		0.005	SW846-6020
Barium, Dissolved		0.291	mg/L		0.005	SW846-6020
Beryllium	UX	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6010A
Cadmium	BU	0.001	mg/L		0.001	SW846-6020
Calcium	N	39.4	mg/L		1	SW846-6010A
Chromium	U	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved			NA			SW846-6020
Cobalt	BU	0.001	mg/L		0.001	SW846-6020
Copper	BU	0.02	mg/L		0.02	SW846-6020
Iron		9.82	mg/L		0.1	SW846-6010A
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		13.6	mg/L		0.02	SW846-6010A
Manganese	N	0.988	mg/L		0.005	SW846-6020
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	U	0.001	mg/L		0.001	SW846-6020
Nickel	U	0.005	mg/L		0.005	SW846-6020
Potassium		1.69	mg/L		0.2	SW846-6010A
Rhodium	BU	0.005	mg/L		0.005	SW846-6020
Selenium	J	0.00537	mg/L		0.005	SW846-6020
Silver	U	0.001	mg/L		0.001	SW846-6020
Sodium	N	102	mg/L		2	SW846-6010A
Tantalum	BU	0.005	mg/L		0.005	SW846-6020
Thallium	BU	0.002	mg/L		0.002	SW846-6020
Uranium	BU	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved			NA			SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.91	Inches/Hg			
<b>PHYSC</b>						
Conductivity		716	umho/cm			
Depth to Water		38.5	ft			
Dissolved Oxygen		0.95	mg/L			
Dissolved Solids		329	mg/L		50	EPA-160.1
pH		6.76	Std Unit			
Redox		-14	mV			
Temperature		62.2	deg F			
Turbidity		5.6	NTU			
<b>PCCB</b>						

# Paducah-OREIS Data Report

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12/18/2007

## MW384

### 19449

PCB, Total	U	0.00018	mg/L	0.0002	SW846-8082
PCB-1016	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1221	U	0.00018	mg/L	0.0002	SW846-8082
PCB-1232	U	0.00014	mg/L	0.0001	SW846-8082
PCB-1242	U	0.0001	mg/L	0.0001	SW846-8082
PCB-1248	U	0.00012	mg/L	0.0001	SW846-8082
PCB-1254	U	0.00007	mg/L	7E-05	SW846-8082
PCB-1260	U	0.00005	mg/L	5E-05	SW846-8082
PCB-1268	U	0.00009	mg/L	9E-05	SW846-8082

#### RADS

Alpha activity	U	0.725	pCi/L	0.4	10.2	EPA-900.0
Beta activity		31.2	pCi/L	4.02	6.26	EPA-900.0
Iodine-131	U	-1.54	pCi/L	3.08	6.07	RL-7124
Strontium-90	U	-1.86	pCi/L	0.32	6.25	RL-7140
Technetium-99		34.2	pCi/L	13	17.7	RL-7100
Thorium-234	U	-26.6	pCi/L	53.3	46.5	RL-7124
Tritium	U	149	pCi/L	178	292	704R6

#### SVOA

1,2-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260

#### VOA

1,1,1,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethene	UY	0.005	mg/L	0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.0002	mg/L	0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	0.005	SW846-8260
2-Butanone	JU	0.01	mg/L	0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L	0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	JU	0.01	mg/L	0.01	SW846-8260
Acetone	JU	0.01	mg/L	0.01	SW846-8260
Acrolein	JU	0.01	mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L	0.01	SW846-8260
Benzene	UY	0.005	mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromoform	U	0.005	mg/L	0.005	SW846-8260
Bromomethane	U	0.005	mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	0.005	SW846-8260
Chlorobenzene	UY	0.005	mg/L	0.005	SW846-8260
Chloroethane	U	0.005	mg/L	0.005	SW846-8260
Chloroform	U	0.005	mg/L	0.005	SW846-8260
Chloromethane	JU	0.005	mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Dibromomethane	U	0.005	mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	0.005	SW846-8260

# Paducah-OREIS Data Report

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## MW384

### 19449

Ethanol	U	0.25 mg/L	0.25	SW846-8015
Ethyl methacrylate	JU	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	JU	0.005 mg/L	0.005	SW846-8260
Methylene chloride	U	0.005 mg/L	0.005	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	UY	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	Y	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	35 mg/L	35	EPA-410.4 1978
Cyanide	*JU	0.05 mg/L	0.05	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		4.1 mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.095 mg/L	0.01	SW846-9020A

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# Paducah-OREIS Data Report

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**MW385**

**19449**

**MW385SG4-04**

Collected: 7/20/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		30.8	mg/L		2	SW846-9056
Fluoride		0.26	mg/L		0.1	9214
Nitrate as Nitrogen		1.6	mg/L		1	SW846-9056
Sulfate		14.7	mg/L		5	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Antimony	U	0.005	mg/L		0.005	SW846-6020
Arsenic	UX	0.01	mg/L		0.01	SW846-6020
Barium		0.175	mg/L		0.005	SW846-6020
Barium, Dissolved		0.175	mg/L		0.005	SW846-6020
Beryllium	UX	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6010A
Cadmium	BU	0.001	mg/L		0.001	SW846-6020
Calcium	N	40.8	mg/L		1	SW846-6010A
Chromium	U	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved			NA			SW846-6020
Cobalt	BU	0.001	mg/L		0.001	SW846-6020
Copper	BU	0.02	mg/L		0.02	SW846-6020
Iron	U	0.1	mg/L		0.1	SW846-6010A
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		10.7	mg/L		0.02	SW846-6010A
Manganese	NU	0.005	mg/L		0.005	SW846-6020
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	U	0.001	mg/L		0.001	SW846-6020
Nickel	U	0.005	mg/L		0.005	SW846-6020
Potassium		2.06	mg/L		0.2	SW846-6010A
Rhodium	BU	0.005	mg/L		0.005	SW846-6020
Selenium	JU	0.005	mg/L		0.005	SW846-6020
Silver	U	0.001	mg/L		0.001	SW846-6020
Sodium	N	42.4	mg/L		2	SW846-6010A
Tantalum	BU	0.005	mg/L		0.005	SW846-6020
Thallium	BU	0.002	mg/L		0.002	SW846-6020
Uranium	BU	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved			NA			SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.91	Inches/Hg			
<b>PHYSC</b>						
Conductivity		475	umho/cm			
Depth to Water		38.9	ft			
Dissolved Oxygen		1.36	mg/L			
Dissolved Solids		227	mg/L		50	EPA-160.1
pH		7.01	Std Unit			
Redox		141	mV			
Temperature		63.2	deg F			
Turbidity		3.1	NTU			
<b>PCCB</b>						

# Paducah-OREIS Data Report

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## MW385

### 19449

PCB, Total	U	0.00018	mg/L	0.0002	SW846-8082
PCB-1016	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1221	U	0.00018	mg/L	0.0002	SW846-8082
PCB-1232	U	0.00014	mg/L	0.0001	SW846-8082
PCB-1242	U	0.0001	mg/L	0.0001	SW846-8082
PCB-1248	U	0.00012	mg/L	0.0001	SW846-8082
PCB-1254	U	0.00007	mg/L	7E-05	SW846-8082
PCB-1260	U	0.00005	mg/L	5E-05	SW846-8082
PCB-1268	U	0.00009	mg/L	9E-05	SW846-8082

#### RADS

Alpha activity	U	1.9	pCi/L	0.73	6.39	EPA-900.0
Beta activity		102	pCi/L	7.48	5.54	EPA-900.0
Iodine-131	U	0.158	pCi/L	0.31	7.19	RL-7124
Strontium-90	U	-2.38	pCi/L	0.42	6.66	RL-7140
Technetium-99		119	pCi/L	15.6	17.7	RL-7100
Thorium-234	U	-4.71	pCi/L	9.41	49.7	RL-7124
Tritium	U	-124	pCi/L	173	292	704R6

#### SVOA

1,2-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260

#### VOA

1,1,1,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethene	UY	0.005	mg/L	0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.0002	mg/L	0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	0.005	SW846-8260
2-Butanone	JU	0.01	mg/L	0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L	0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	JU	0.01	mg/L	0.01	SW846-8260
Acetone	JU	0.01	mg/L	0.01	SW846-8260
Acrolein	JU	0.01	mg/L	0.01	SW846-8260
Acrylonitrile	JU	0.01	mg/L	0.01	SW846-8260
Benzene	UY	0.005	mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromoform	U	0.005	mg/L	0.005	SW846-8260
Bromomethane	U	0.005	mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	0.005	SW846-8260
Chlorobenzene	UY	0.005	mg/L	0.005	SW846-8260
Chloroethane	U	0.005	mg/L	0.005	SW846-8260
Chloroform	U	0.005	mg/L	0.005	SW846-8260
Chloromethane	JU	0.005	mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Dibromomethane	U	0.005	mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	0.005	SW846-8260

# Paducah-OREIS Data Report

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## MW385

### 19449

Ethanol	U	0.25 mg/L	0.25	SW846-8015
Ethyl methacrylate	JU	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	JU	0.005 mg/L	0.005	SW846-8260
Methylene chloride	U	0.005 mg/L	0.005	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	UY	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	UY	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	35 mg/L	35	EPA-410.4 1978
Cyanide	*JU	0.05 mg/L	0.05	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.01 mg/L	0.01	SW846-9020A

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# Paducah-OREIS Data Report

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12/18/2007

**MW386**

**19449**

**MW386SG4-04**

Collected: 7/20/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		32.9	mg/L		2	SW846-9056
Fluoride		0.42	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		14.8	mg/L		5	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Antimony	U	0.005	mg/L		0.005	SW846-6020
Arsenic	UX	0.01	mg/L		0.01	SW846-6020
Barium		0.1	mg/L		0.005	SW846-6020
Barium, Dissolved		0.101	mg/L		0.005	SW846-6020
Beryllium	UX	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6010A
Cadmium	BU	0.001	mg/L		0.001	SW846-6020
Calcium	N	26.3	mg/L		1	SW846-6010A
Chromium	U	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved			NA			SW846-6020
Cobalt	B	0.00819	mg/L		0.001	SW846-6020
Copper	BU	0.02	mg/L		0.02	SW846-6020
Iron		11.6	mg/L		0.1	SW846-6010A
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		10.5	mg/L		0.02	SW846-6010A
Manganese	N	0.556	mg/L		0.005	SW846-6020
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470
Molybdenum		0.00124	mg/L		0.001	SW846-6020
Nickel	U	0.005	mg/L		0.005	SW846-6020
Potassium		0.652	mg/L		0.2	SW846-6010A
Rhodium	BU	0.005	mg/L		0.005	SW846-6020
Selenium	JU	0.005	mg/L		0.005	SW846-6020
Silver	U	0.001	mg/L		0.001	SW846-6020
Sodium	N	109	mg/L		2	SW846-6010A
Tantalum	BU	0.005	mg/L		0.005	SW846-6020
Thallium	BU	0.002	mg/L		0.002	SW846-6020
Uranium	BU	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved			NA			SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.91	Inches/Hg			
<b>PHYSC</b>						
Conductivity		623	umho/cm			
Depth to Water		20.95	ft			
Dissolved Oxygen		1.05	mg/L			
Dissolved Solids		376	mg/L		50	EPA-160.1
pH		6.73	Std Unit			
Redox		47	mV			
Temperature		62	deg F			
Turbidity		31.5	NTU			
<b>PCCB</b>						

# Paducah-OREIS Data Report

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## MW386

### 19449

PCB, Total	U	0.00018	mg/L	0.0002	SW846-8082
PCB-1016	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1221	U	0.00018	mg/L	0.0002	SW846-8082
PCB-1232	U	0.00014	mg/L	0.0001	SW846-8082
PCB-1242	U	0.0001	mg/L	0.0001	SW846-8082
PCB-1248	U	0.00012	mg/L	0.0001	SW846-8082
PCB-1254	U	0.00007	mg/L	7E-05	SW846-8082
PCB-1260	U	0.00005	mg/L	5E-05	SW846-8082
PCB-1268	U	0.00009	mg/L	9E-05	SW846-8082

#### RADS

Alpha activity	U	-0.78	pCi/L	0.59	10.6	EPA-900.0
Beta activity	U	1.36	pCi/L	0.34	6.33	EPA-900.0
Iodine-131	U	0.86	pCi/L	1.72	7.12	RL-7124
Strontium-90	U	-0.333	pCi/L	0.05	6.61	RL-7140
Technetium-99	U	4.65	pCi/L	11.9	17.7	RL-7100
Thorium-234	U	-26.9	pCi/L	53.9	46.7	RL-7124
Tritium	U	-73.4	pCi/L	173	292	704R6

#### SVOA

1,2-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260

#### VOA

1,1,1,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethene	UY	0.005	mg/L	0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.0002	mg/L	0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	0.005	SW846-8260
2-Butanone	JU	0.01	mg/L	0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L	0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	JU	0.01	mg/L	0.01	SW846-8260
Acetone	JU	0.01	mg/L	0.01	SW846-8260
Acrolein	JU	0.01	mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L	0.01	SW846-8260
Benzene	UY	0.005	mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromoform	U	0.005	mg/L	0.005	SW846-8260
Bromomethane	U	0.005	mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	0.005	SW846-8260
Chlorobenzene	UY	0.005	mg/L	0.005	SW846-8260
Chloroethane	U	0.005	mg/L	0.005	SW846-8260
Chloroform	U	0.005	mg/L	0.005	SW846-8260
Chloromethane	JU	0.005	mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Dibromomethane	U	0.005	mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	0.005	SW846-8260

# Paducah-OREIS Data Report

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## MW386

### 19449

Ethanol	U	0.25 mg/L	0.25	SW846-8015
Ethyl methacrylate	JU	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	JU	0.005 mg/L	0.005	SW846-8260
Methylene chloride	U	0.005 mg/L	0.005	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	UY	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	UY	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	35 mg/L	35	EPA-410.4 1978
Cyanide	*JU	0.05 mg/L	0.05	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		13 mg/L	2	SW846-9060
Total Organic Halides (TOX)		0.393 mg/L	0.01	SW846-9020A

# Paducah-OREIS Data Report

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**MW387**

**19449**

**MW387SG4-04**

Collected: 7/19/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		46.2	mg/L		2	SW846-9056
Fluoride		1	mg/L		0.1	9214
Nitrate as Nitrogen		1.7	mg/L		1	SW846-9056
Sulfate		23	mg/L		5	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Antimony	U	0.005	mg/L		0.005	SW846-6020
Arsenic	UX	0.01	mg/L		0.01	SW846-6020
Barium		0.173	mg/L		0.005	SW846-6020
Barium, Dissolved		0.179	mg/L		0.005	SW846-6020
Beryllium	UX	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6010A
Cadmium	BU	0.001	mg/L		0.001	SW846-6020
Calcium	N	37.8	mg/L		1	SW846-6010A
Chromium	U	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved			NA			SW846-6020
Cobalt	BU	0.001	mg/L		0.001	SW846-6020
Copper	BU	0.02	mg/L		0.02	SW846-6020
Iron		0.204	mg/L		0.1	SW846-6010A
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		14.2	mg/L		0.02	SW846-6010A
Manganese	N	0.0122	mg/L		0.005	SW846-6020
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	U	0.001	mg/L		0.001	SW846-6020
Nickel	U	0.005	mg/L		0.005	SW846-6020
Potassium		2.36	mg/L		0.2	SW846-6010A
Rhodium	BU	0.005	mg/L		0.005	SW846-6020
Selenium	JU	0.005	mg/L		0.005	SW846-6020
Silver	U	0.001	mg/L		0.001	SW846-6020
Sodium	N	56	mg/L		2	SW846-6010A
Tantalum	BU	0.005	mg/L		0.005	SW846-6020
Thallium	BU	0.002	mg/L		0.002	SW846-6020
Uranium	BU	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved			NA			SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.88	Inches/Hg			
<b>PHYSC</b>						
Conductivity		476	umho/cm			
Depth to Water		36.63	ft			
Dissolved Oxygen		4.7	mg/L			
Dissolved Solids		266	mg/L		50	EPA-160.1
pH		6.3	Std Unit			
Redox		307	mV			
Temperature		64.9	deg F			
Turbidity		5	NTU			
<b>PCCB</b>						

# Paducah-OREIS Data Report

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## MW387

### 19449

PCB, Total	U	0.00018	mg/L		0.0002	SW846-8082
PCB-1016	U	0.00017	mg/L		0.0002	SW846-8082
PCB-1221	U	0.00018	mg/L		0.0002	SW846-8082
PCB-1232	U	0.00014	mg/L		0.0001	SW846-8082
PCB-1242	U	0.0001	mg/L		0.0001	SW846-8082
PCB-1248	U	0.00012	mg/L		0.0001	SW846-8082
PCB-1254	U	0.00007	mg/L		7E-05	SW846-8082
PCB-1260	U	0.00005	mg/L		5E-05	SW846-8082
PCB-1268	U	0.00009	mg/L		9E-05	SW846-8082

#### RADS

Alpha activity	U	3.31	pCi/L	1.27	7.38	EPA-900.0
Beta activity		87.7	pCi/L	7.01	5.73	EPA-900.0
Iodine-131	U	-2.12	pCi/L	4.25	6.17	RL-7124
Strontium-90	U	0.29	pCi/L	0.04	7.31	RL-7140
Technetium-99		121	pCi/L	15.6	17.7	RL-7100
Thorium-234	U	-22.4	pCi/L	44.7	46.7	RL-7124
Tritium	U	208	pCi/L	179	292	704R6

#### SVOA

1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260

#### VOA

1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	UY	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	JU	0.01	mg/L		0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L		0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	JU	0.01	mg/L		0.01	SW846-8260
Acetone	JU	0.01	mg/L		0.01	SW846-8260
Acrolein	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	JU	0.01	mg/L		0.01	SW846-8260
Benzene	UY	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	UY	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	JU	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260



# Paducah-OREIS Data Report

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## MW387

### 19449

Ethanol	U	0.25 mg/L	0.25	SW846-8015
Ethyl methacrylate	JU	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	JU	0.005 mg/L	0.005	SW846-8260
Methylene chloride	U	0.005 mg/L	0.005	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	UY	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	Y	0.0012 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	35 mg/L	35	EPA-410.4 1978
Cyanide	*JU	0.05 mg/L	0.05	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.0113 mg/L	0.01	SW846-9020A

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# Paducah-OREIS Data Report

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12/18/2007

**MW388**  
**19449**  
**MW388SG4-04**

Collected: 7/19/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		41.4	mg/L		2	SW846-9056
Fluoride		0.25	mg/L		0.1	9214
Nitrate as Nitrogen		1.8	mg/L		1	SW846-9056
Sulfate		14.4	mg/L		5	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Antimony	U	0.005	mg/L		0.005	SW846-6020
Arsenic	UX	0.01	mg/L		0.01	SW846-6020
Barium		0.194	mg/L		0.005	SW846-6020
Barium, Dissolved		0.205	mg/L		0.005	SW846-6020
Beryllium	UX	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6010A
Cadmium	BU	0.001	mg/L		0.001	SW846-6020
Calcium	N	27.1	mg/L		1	SW846-6010A
Chromium	U	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved			NA			SW846-6020
Cobalt	BU	0.001	mg/L		0.001	SW846-6020
Copper	BU	0.02	mg/L		0.02	SW846-6020
Iron	U	0.1	mg/L		0.1	SW846-6010A
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		11	mg/L		0.02	SW846-6010A
Manganese	NU	0.005	mg/L		0.005	SW846-6020
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	U	0.001	mg/L		0.001	SW846-6020
Nickel	U	0.005	mg/L		0.005	SW846-6020
Potassium		2.04	mg/L		0.2	SW846-6010A
Rhodium	BU	0.005	mg/L		0.005	SW846-6020
Selenium	JU	0.005	mg/L		0.005	SW846-6020
Silver	U	0.001	mg/L		0.001	SW846-6020
Sodium	N	44.8	mg/L		2	SW846-6010A
Tantalum	BU	0.005	mg/L		0.005	SW846-6020
Thallium	BU	0.002	mg/L		0.002	SW846-6020
Uranium	BU	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved			NA			SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.88	Inches/Hg			
<b>PHYSC</b>						
Conductivity		395	umho/cm			
Depth to Water		36.61	ft			
Dissolved Oxygen		5.1	mg/L			
Dissolved Solids		220	mg/L		50	EPA-160.1
pH		6.32	Std Unit			
Redox		286	mV			
Temperature		63.7	deg F			
Turbidity		3.4	NTU			
<b>PCCB</b>						

# Paducah-OREIS Data Report

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## MW388

### 19449

PCB, Total	U	0.00018	mg/L		0.0002	SW846-8082
PCB-1016	U	0.00017	mg/L		0.0002	SW846-8082
PCB-1221	U	0.00018	mg/L		0.0002	SW846-8082
PCB-1232	U	0.00014	mg/L		0.0001	SW846-8082
PCB-1242	U	0.0001	mg/L		0.0001	SW846-8082
PCB-1248	U	0.00012	mg/L		0.0001	SW846-8082
PCB-1254	U	0.00007	mg/L		7E-05	SW846-8082
PCB-1260	U	0.00005	mg/L		5E-05	SW846-8082
PCB-1268	U	0.00009	mg/L		9E-05	SW846-8082

#### RADS

Alpha activity	U	3.48	pCi/L	1.56	6.31	EPA-900.0
Beta activity		23	pCi/L	3.17	5.52	EPA-900.0
Iodine-131	U	-0.107	pCi/L	0.21	5.43	RL-7124
Strontium-90	U	-0.265	pCi/L	0.04	6.5	RL-7140
Technetium-99		28	pCi/L	12.8	17.7	RL-7100
Thorium-234	U	-21.4	pCi/L	42.9	48.1	RL-7124
Tritium	U	86	pCi/L	176	292	704R6

#### SVOA

1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260

#### VOA

1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	UY	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	JU	0.01	mg/L		0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L		0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	JU	0.01	mg/L		0.01	SW846-8260
Acetone	JU	0.01	mg/L		0.01	SW846-8260
Acrolein	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	UY	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	UY	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	JU	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260

# Paducah-OREIS Data Report

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12/18/2007

## MW388

### 19449

Ethanol	U	0.25 mg/L	0.25	SW846-8015
Ethyl methacrylate	JU	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	JU	0.005 mg/L	0.005	SW846-8260
Methylene chloride	U	0.005 mg/L	0.005	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	UY	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	UY	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	35 mg/L	35	EPA-410.4 1978
Cyanide	*JU	0.05 mg/L	0.05	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.01 mg/L	0.01	SW846-9020A

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# Paducah-OREIS Data Report

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12/18/2007

**MW388**  
**19449**  
**MW388DSG4-04**

Collected: 7/19/2004

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		41.8	mg/L		2	SW846-9056
Fluoride		0.24	mg/L		0.1	9214
Nitrate as Nitrogen		1.9	mg/L		1	SW846-9056
Sulfate		14.9	mg/L		5	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Antimony	U	0.005	mg/L		0.005	SW846-6020
Arsenic	UX	0.01	mg/L		0.01	SW846-6020
Barium		0.189	mg/L		0.005	SW846-6020
Barium, Dissolved		0.203	mg/L		0.005	SW846-6020
Beryllium	UX	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6010A
Cadmium	BU	0.001	mg/L		0.001	SW846-6020
Calcium	N	28.7	mg/L		1	SW846-6010A
Chromium	U	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved			NA			SW846-6020
Cobalt	BU	0.001	mg/L		0.001	SW846-6020
Copper	BU	0.02	mg/L		0.02	SW846-6020
Iron	U	0.1	mg/L		0.1	SW846-6010A
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		11.3	mg/L		0.02	SW846-6010A
Manganese	NU	0.005	mg/L		0.005	SW846-6020
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	U	0.001	mg/L		0.001	SW846-6020
Nickel	U	0.005	mg/L		0.005	SW846-6020
Potassium		2.1	mg/L		0.2	SW846-6010A
Rhodium	BU	0.005	mg/L		0.005	SW846-6020
Selenium	JU	0.005	mg/L		0.005	SW846-6020
Silver	U	0.001	mg/L		0.001	SW846-6020
Sodium	N	46.7	mg/L		2	SW846-6010A
Tantalum	BU	0.005	mg/L		0.005	SW846-6020
Thallium	BU	0.002	mg/L		0.002	SW846-6020
Uranium	BU	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved			NA			SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.88	Inches/Hg			
<b>PHYSC</b>						
Conductivity		395	umho/cm			
Depth to Water		36.61	ft			
Dissolved Oxygen		5.1	mg/L			
Dissolved Solids		222	mg/L		50	EPA-160.1
pH		6.32	Std Unit			
Redox		286	mV			
Temperature		63.7	deg F			
Turbidity		3.4	NTU			
<b>PCCB</b>						

# Paducah-OREIS Data Report

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## MW388

### 19449

PCB, Total	U	0.00018	mg/L	0.0002	SW846-8082
PCB-1016	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1221	U	0.00018	mg/L	0.0002	SW846-8082
PCB-1232	U	0.00014	mg/L	0.0001	SW846-8082
PCB-1242	U	0.0001	mg/L	0.0001	SW846-8082
PCB-1248	U	0.00012	mg/L	0.0001	SW846-8082
PCB-1254	U	0.00007	mg/L	7E-05	SW846-8082
PCB-1260	U	0.00005	mg/L	5E-05	SW846-8082
PCB-1268	U	0.00009	mg/L	9E-05	SW846-8082

#### RADS

Alpha activity	U	-1.08	pCi/L	0.71	6.53	EPA-900.0
Beta activity		26	pCi/L	3.43	5.57	EPA-900.0
Iodine-131	U	-1.2	pCi/L	2.4	6.59	RL-7124
Strontium-90	U	-0.759	pCi/L	0.12	6.3	RL-7140
Technetium-99		18.1	pCi/L	12.5	17.7	RL-7100
Thorium-234	U	-14.9	pCi/L	29.9	49.7	RL-7124
Tritium	U	-4.19	pCi/L	175	292	704R6

#### SVOA

1,2-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260

#### VOA

1,1,1,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethene	UY	0.005	mg/L	0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.0002	mg/L	0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	0.005	SW846-8260
2-Butanone	JU	0.01	mg/L	0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L	0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	JU	0.01	mg/L	0.01	SW846-8260
Acetone	JU	0.01	mg/L	0.01	SW846-8260
Acrolein	JU	0.01	mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L	0.01	SW846-8260
Benzene	UY	0.005	mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromoform	U	0.005	mg/L	0.005	SW846-8260
Bromomethane	U	0.005	mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	0.005	SW846-8260
Chlorobenzene	UY	0.005	mg/L	0.005	SW846-8260
Chloroethane	U	0.005	mg/L	0.005	SW846-8260
Chloroform	U	0.005	mg/L	0.005	SW846-8260
Chloromethane	JU	0.005	mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Dibromomethane	U	0.005	mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	0.005	SW846-8260

# Paducah-OREIS Data Report

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## MW388

### 19449

Ethanol	U	0.25 mg/L	0.25	SW846-8015
Ethyl methacrylate	JU	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	JU	0.005 mg/L	0.005	SW846-8260
Methylene chloride	U	0.005 mg/L	0.005	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	UY	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	UY	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	35 mg/L	35	EPA-410.4 1978
Cyanide	*JU	0.05 mg/L	0.05	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.01 mg/L	0.01	SW846-9020A

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# Paducah-OREIS Data Report

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**MW390**

**19449**

**MW390SG4-04**

Collected: 7/19/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide		2.5	mg/L		1	SW846-9056
Chloride		281.7	mg/L		20	SW846-9056
Fluoride		0.23	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		8.3	mg/L		5	SW846-9056
<b>METAL</b>						
Aluminum		0.822	mg/L		0.2	SW846-6010A
Antimony	U	0.005	mg/L		0.005	SW846-6020
Arsenic	UX	0.01	mg/L		0.01	SW846-6020
Barium		0.535	mg/L		0.005	SW846-6020
Barium, Dissolved		0.573	mg/L		0.005	SW846-6020
Beryllium	UX	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6010A
Cadmium	BU	0.001	mg/L		0.001	SW846-6020
Calcium	N	85.1	mg/L		1	SW846-6010A
Chromium	U	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved			NA			SW846-6020
Cobalt	B	0.00128	mg/L		0.001	SW846-6020
Copper	BU	0.02	mg/L		0.02	SW846-6020
Iron		0.476	mg/L		0.1	SW846-6010A
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		30.8	mg/L		0.02	SW846-6010A
Manganese	N	0.0106	mg/L		0.005	SW846-6020
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470
Molybdenum		0.00457	mg/L		0.001	SW846-6020
Nickel		0.00987	mg/L		0.005	SW846-6020
Potassium		0.768	mg/L		0.2	SW846-6010A
Rhodium	BU	0.005	mg/L		0.005	SW846-6020
Selenium	J	0.0158	mg/L		0.005	SW846-6020
Silver	U	0.001	mg/L		0.001	SW846-6020
Sodium	N	141	mg/L		2	SW846-6010A
Tantalum	BU	0.005	mg/L		0.005	SW846-6020
Thallium	BU	0.002	mg/L		0.002	SW846-6020
Uranium	BU	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved			NA			SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.88	Inches/Hg			
<b>PHYSC</b>						
Conductivity		1237	umho/cm			
Depth to Water		33.75	ft			
Dissolved Oxygen		3.26	mg/L			
Dissolved Solids		746	mg/L		50	EPA-160.1
pH		6.28	Std Unit			
Redox		308	mV			
Temperature		64.3	deg F			
Turbidity		23.4	NTU			
<b>PCCB</b>						



# Paducah-OREIS Data Report

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## MW390

### 19449

PCB, Total	U	0.00018	mg/L	0.0002	SW846-8082
PCB-1016	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1221	U	0.00018	mg/L	0.0002	SW846-8082
PCB-1232	U	0.00014	mg/L	0.0001	SW846-8082
PCB-1242	U	0.0001	mg/L	0.0001	SW846-8082
PCB-1248	U	0.00012	mg/L	0.0001	SW846-8082
PCB-1254	U	0.00007	mg/L	7E-05	SW846-8082
PCB-1260	U	0.00005	mg/L	5E-05	SW846-8082
PCB-1268	U	0.00009	mg/L	9E-05	SW846-8082

#### RADS

Alpha activity	U	3.95	pCi/L	1.77	13.6	EPA-900.0
Beta activity		65.5	pCi/L	6.48	6.9	EPA-900.0
Iodine-131	U	1.29	pCi/L	2.58	7.08	RL-7124
Strontium-90	U	0.337	pCi/L	0.05	6.45	RL-7140
Technetium-99		102	pCi/L	15.1	17.7	RL-7100
Thorium-234	U	-14	pCi/L	28	49.1	RL-7124
Tritium	U	109	pCi/L	177	292	704R6

#### SVOA

1,2-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260

#### VOA

1,1,1,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethene	UY	0.005	mg/L	0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.0002	mg/L	0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	0.005	SW846-8260
2-Butanone	JU	0.01	mg/L	0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L	0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	JU	0.01	mg/L	0.01	SW846-8260
Acetone	JU	0.01	mg/L	0.01	SW846-8260
Acrolein	JU	0.01	mg/L	0.01	SW846-8260
Acrylonitrile	JU	0.01	mg/L	0.01	SW846-8260
Benzene	UY	0.005	mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromoform	U	0.005	mg/L	0.005	SW846-8260
Bromomethane	U	0.005	mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	0.005	SW846-8260
Chlorobenzene	UY	0.005	mg/L	0.005	SW846-8260
Chloroethane	U	0.005	mg/L	0.005	SW846-8260
Chloroform	U	0.005	mg/L	0.005	SW846-8260
Chloromethane	JU	0.005	mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Dibromomethane	U	0.005	mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	0.005	SW846-8260

# Paducah-OREIS Data Report

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## MW390

### 19449

Ethanol	U	0.25 mg/L	0.25	SW846-8015
Ethyl methacrylate	JU	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	JU	0.005 mg/L	0.005	SW846-8260
Methylene chloride	U	0.005 mg/L	0.005	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	UY	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	UY	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	35 mg/L	35	EPA-410.4 1978
Cyanide	*JU	0.05 mg/L	0.05	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		1.9 mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.023 mg/L	0.01	SW846-9020A

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# Paducah-OREIS Data Report

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**MW391**

**19449**

**MW391SG4-04**

Collected: 7/20/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		42.3	mg/L		2	SW846-9056
Fluoride		0.17	mg/L		0.1	9214
Nitrate as Nitrogen		1	mg/L		1	SW846-9056
Sulfate		8.4	mg/L		5	SW846-9056
<b>METAL</b>						
Aluminum		0.537	mg/L		0.2	SW846-6010A
Antimony	U	0.005	mg/L	0	0.005	SW846-6020
Arsenic	U	0.01	mg/L	0	0.01	SW846-6020
Barium	X	0.223	mg/L	0	0.005	SW846-6020
Barium, Dissolved	X	0.214	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L	0	0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6010A
Cadmium	U	0.001	mg/L	0	0.001	SW846-6020
Calcium	N	22.2	mg/L		1	SW846-6010A
Chromium	U	0.02	mg/L	0	0.02	SW846-6020
Chromium, Dissolved			NA			SW846-6020
Cobalt	BU	0.001	mg/L	0	0.001	SW846-6020
Copper	BU	0.02	mg/L	0	0.02	SW846-6020
Iron		1.89	mg/L		0.1	SW846-6010A
Lead	U	0.005	mg/L	0	0.005	SW846-6020
Magnesium	N	9.11	mg/L		0.02	SW846-6010A
Manganese		0.0162	mg/L	0	0.005	SW846-6020
Mercury	UW	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BU	0.001	mg/L	0	0.001	SW846-6020
Nickel	U	0.005	mg/L	0	0.005	SW846-6020
Potassium		1.4	mg/L		0.2	SW846-6010A
Rhodium	BU	0.005	mg/L	0	0.005	SW846-6020
Selenium	U	0.005	mg/L	0	0.005	SW846-6020
Silver	U	0.001	mg/L	0	0.001	SW846-6020
Sodium	N	28.8	mg/L		2	SW846-6010A
Tantalum	BU	0.005	mg/L	0	0.005	SW846-6020
Thallium	U	0.002	mg/L	0	0.002	SW846-6020
Uranium	BU	0.001	mg/L	0	0.001	SW846-6020
Uranium, Dissolved			NA			SW846-6020
Vanadium	U	0.02	mg/L	0	0.02	SW846-6020
Zinc	U	0.02	mg/L	0	0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.91	Inches/Hg			
<b>PHYSC</b>						
Conductivity		355	umho/cm			
Depth to Water		39.93	ft			
Dissolved Oxygen		3.84	mg/L			
Dissolved Solids		198	mg/L		50	EPA-160.1
pH		6.28	Std Unit			
Redox		174	mV			
Temperature		63.5	deg F			
Turbidity		9.3	NTU			
<b>PCCB</b>						

# Paducah-OREIS Data Report

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12/18/2007

## MW391

### 19449

PCB, Total	U	0.00018	mg/L	0.0002	SW846-8082
PCB-1016	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1221	U	0.00018	mg/L	0.0002	SW846-8082
PCB-1232	U	0.00014	mg/L	0.0001	SW846-8082
PCB-1242	U	0.0001	mg/L	0.0001	SW846-8082
PCB-1248	U	0.00012	mg/L	0.0001	SW846-8082
PCB-1254	U	0.00007	mg/L	7E-05	SW846-8082
PCB-1260	U	0.00005	mg/L	5E-05	SW846-8082
PCB-1268	U	0.00009	mg/L	9E-05	SW846-8082

#### RADS

Alpha activity	U	-1.76	pCi/L	1.76	5.8	EPA-900.0
Beta activity		5.66	pCi/L	1.17	5.41	EPA-900.0
Iodine-131	U	1.32	pCi/L	2.64	9.9	RL-7124
Strontium-90	U	-1.32	pCi/L	0.22	6.07	RL-7140
Technetium-99	U	0.46	pCi/L	11.7	17.7	RL-7100
Thorium-234	U	-36.8	pCi/L	73.6	50	RL-7124
Tritium	U	83.9	pCi/L	176	292	704R6

#### SVOA

1,2-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260

#### VOA

1,1,1,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethene	UY	0.005	mg/L	0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.0002	mg/L	0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	0.005	SW846-8260
2-Butanone	JU	0.01	mg/L	0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L	0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	JU	0.01	mg/L	0.01	SW846-8260
Acetone	JU	0.01	mg/L	0.01	SW846-8260
Acrolein	JU	0.01	mg/L	0.01	SW846-8260
Acrylonitrile	JU	0.01	mg/L	0.01	SW846-8260
Benzene	UY	0.005	mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromoform	U	0.005	mg/L	0.005	SW846-8260
Bromomethane	U	0.005	mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	0.005	SW846-8260
Chlorobenzene	UY	0.005	mg/L	0.005	SW846-8260
Chloroethane	U	0.005	mg/L	0.005	SW846-8260
Chloroform	U	0.005	mg/L	0.005	SW846-8260
Chloromethane	JU	0.005	mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Dibromomethane	U	0.005	mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	0.005	SW846-8260

# Paducah-OREIS Data Report

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## MW391

### 19449

Ethanol	U	0.25 mg/L	0.25	SW846-8015
Ethyl methacrylate	JU	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	JU	0.005 mg/L	0.005	SW846-8260
Methylene chloride	U	0.005 mg/L	0.005	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	UY	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	Y	0.012 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	35 mg/L	35	EPA-410.4 1978
Cyanide	*JU	0.05 mg/L	0.05	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.0185 mg/L	0.01	SW846-9020A

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# Paducah-OREIS Data Report

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**MW392**  
**19449**  
**MW392SG4-04**

Collected: 7/20/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		43.7	mg/L		2	SW846-9056
Fluoride		0.26	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		8.2	mg/L		5	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Antimony	U	0.005	mg/L	0	0.005	SW846-6020
Arsenic	U	0.01	mg/L	0	0.01	SW846-6020
Barium	X	0.207	mg/L	0	0.005	SW846-6020
Barium, Dissolved	X	0.0426	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L	0	0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6010A
Cadmium	U	0.001	mg/L	0	0.001	SW846-6020
Calcium	N	23.1	mg/L		1	SW846-6010A
Chromium	U	0.02	mg/L	0	0.02	SW846-6020
Chromium, Dissolved			NA			SW846-6020
Cobalt	BU	0.001	mg/L	0	0.001	SW846-6020
Copper	BU	0.02	mg/L	0	0.02	SW846-6020
Iron		2.84	mg/L		0.1	SW846-6010A
Lead	U	0.005	mg/L	0	0.005	SW846-6020
Magnesium	N	8.8	mg/L		0.02	SW846-6010A
Manganese		0.601	mg/L	0	0.005	SW846-6020
Mercury	UW	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BU	0.001	mg/L	0	0.001	SW846-6020
Nickel	U	0.005	mg/L	0	0.005	SW846-6020
Potassium		1.79	mg/L		0.2	SW846-6010A
Rhodium	BU	0.005	mg/L	0	0.005	SW846-6020
Selenium	U	0.005	mg/L	0	0.005	SW846-6020
Silver	U	0.001	mg/L	0	0.001	SW846-6020
Sodium	N	48.8	mg/L		2	SW846-6010A
Tantalum	BU	0.005	mg/L	0	0.005	SW846-6020
Thallium	U	0.002	mg/L	0	0.002	SW846-6020
Uranium	BU	0.001	mg/L	0	0.001	SW846-6020
Uranium, Dissolved			NA			SW846-6020
Vanadium	U	0.02	mg/L	0	0.02	SW846-6020
Zinc	U	0.02	mg/L	0	0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.91	Inches/Hg			
<b>PHYSC</b>						
Conductivity		438	umho/cm			
Depth to Water		39.08	ft			
Dissolved Oxygen		0.99	mg/L			
Dissolved Solids		218	mg/L		56	EPA-160.1
pH		6.62	Std Unit			
Redox		127	mV			
Temperature		63.7	deg F			
Turbidity		5.8	NTU			
<b>PCCB</b>						

# Paducah-OREIS Data Report

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## MW392

### 19449

PCB, Total	U	0.00018	mg/L	0.0002	SW846-8082
PCB-1016	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1221	U	0.00018	mg/L	0.0002	SW846-8082
PCB-1232	U	0.00014	mg/L	0.0001	SW846-8082
PCB-1242	U	0.0001	mg/L	0.0001	SW846-8082
PCB-1248	U	0.00012	mg/L	0.0001	SW846-8082
PCB-1254	U	0.00007	mg/L	7E-05	SW846-8082
PCB-1260	U	0.00005	mg/L	5E-05	SW846-8082
PCB-1268	U	0.00009	mg/L	9E-05	SW846-8082

#### RADS

Alpha activity	U	-0.212	pCi/L	0.15	7.02	EPA-900.0
Beta activity	U	3.5	pCi/L	0.79	5.66	EPA-900.0
Iodine-131	U	1.74	pCi/L	3.48	10.5	RL-7124
Strontium-90	U	-0.835	pCi/L	0.14	5.81	RL-7140
Technetium-99	U	-6.2	pCi/L	0	17.7	RL-7100
Thorium-234	U	-24.5	pCi/L	49	47.2	RL-7124
Tritium	U	46.1	pCi/L	176	292	704R6

#### SVOA

1,2-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260

#### VOA

1,1,1,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethene	UY	0.005	mg/L	0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.0002	mg/L	0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	0.005	SW846-8260
2-Butanone	JU	0.01	mg/L	0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L	0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	JU	0.01	mg/L	0.01	SW846-8260
Acetone	JU	0.01	mg/L	0.01	SW846-8260
Acrolein	JU	0.01	mg/L	0.01	SW846-8260
Acrylonitrile	JU	0.01	mg/L	0.01	SW846-8260
Benzene	UY	0.005	mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromoform	U	0.005	mg/L	0.005	SW846-8260
Bromomethane	U	0.005	mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	0.005	SW846-8260
Chlorobenzene	UY	0.005	mg/L	0.005	SW846-8260
Chloroethane	U	0.005	mg/L	0.005	SW846-8260
Chloroform	U	0.005	mg/L	0.005	SW846-8260
Chloromethane	JU	0.005	mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Dibromomethane	U	0.005	mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	0.005	SW846-8260

# Paducah-OREIS Data Report

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## MW392

### 19449

Ethanol	JU	0.25 mg/L	0.25	SW846-8015
Ethyl methacrylate	JU	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	JU	0.005 mg/L	0.005	SW846-8260
Methylene chloride	U	0.005 mg/L	0.005	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	UY	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	Y	0.009 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	35 mg/L	35	EPA-410.4 1978
Cyanide	*JU	0.05 mg/L	0.05	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.0774 mg/L	0.01	SW846-9020A



# Paducah-OREIS Data Report

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**MW393**  
**19449**  
**MW393SG4-04**

Collected: 7/20/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		20.4	mg/L		2	SW846-9056
Fluoride		0.19	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate	U	5	mg/L		5	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Antimony	U	0.005	mg/L	0	0.005	SW846-6020
Arsenic	U	0.01	mg/L	0	0.01	SW846-6020
Barium	X	0.108	mg/L		0.005	SW846-6020
Barium, Dissolved	X	0.099	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L	0	0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6010A
Cadmium	U	0.001	mg/L	0	0.001	SW846-6020
Calcium	N	13.3	mg/L		1	SW846-6010A
Chromium	U	0.02	mg/L	0	0.02	SW846-6020
Chromium, Dissolved			NA			SW846-6020
Cobalt	BU	0.001	mg/L	0	0.001	SW846-6020
Copper	BU	0.02	mg/L	0	0.02	SW846-6020
Iron		6.62	mg/L		0.1	SW846-6010A
Lead	U	0.005	mg/L	0	0.005	SW846-6020
Magnesium		4.37	mg/L		0.02	SW846-6010A
Manganese		0.0534	mg/L	0	0.005	SW846-6020
Mercury	UW	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BU	0.001	mg/L	0	0.001	SW846-6020
Nickel	U	0.005	mg/L	0	0.005	SW846-6020
Potassium	B	0.474	mg/L		0.2	SW846-6010A
Rhodium	BU	0.005	mg/L	0	0.005	SW846-6020
Selenium	U	0.005	mg/L	0	0.005	SW846-6020
Silver	U	0.001	mg/L	0	0.001	SW846-6020
Sodium	N	97.3	mg/L		2	SW846-6010A
Tantalum	BU	0.005	mg/L	0	0.005	SW846-6020
Thallium	U	0.002	mg/L	0	0.002	SW846-6020
Uranium	BU	0.001	mg/L	0	0.001	SW846-6020
Uranium, Dissolved			NA			SW846-6020
Vanadium	U	0.02	mg/L	0	0.02	SW846-6020
Zinc	U	0.02	mg/L	0	0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.91	Inches/Hg			
<b>PHYSC</b>						
Conductivity		529	umho/cm			
Depth to Water		25.25	ft			
Dissolved Oxygen		0.89	mg/L			
Dissolved Solids		321	mg/L		56	EPA-160.1
pH		6.51	Std Unit			
Redox		61	mV			
Temperature		64.2	deg F			
Turbidity		5.6	NTU			
<b>PCCB</b>						

# Paducah-OREIS Data Report

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12/18/2007

## MW393

### 19449

PCB, Total	U	0.00018	mg/L	0.0002	SW846-8082
PCB-1016	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1221	U	0.00018	mg/L	0.0002	SW846-8082
PCB-1232	U	0.00014	mg/L	0.0001	SW846-8082
PCB-1242	U	0.0001	mg/L	0.0001	SW846-8082
PCB-1248	U	0.00012	mg/L	0.0001	SW846-8082
PCB-1254	U	0.00007	mg/L	7E-05	SW846-8082
PCB-1260	U	0.00005	mg/L	5E-05	SW846-8082
PCB-1268	U	0.00009	mg/L	9E-05	SW846-8082

#### RADS

Alpha activity	U	-1.86	pCi/L	1.66	8.9	EPA-900.0
Beta activity	U	2.42	pCi/L	0.57	6.01	EPA-900.0
Iodine-131	U	7.92	pCi/L	7.05	11.2	RL-7124
Strontium-90	U	-1.72	pCi/L	0.3	5.81	RL-7140
Technetium-99	U	2.7	pCi/L	11.8	17.7	RL-7100
Thorium-234	U	-24.2	pCi/L	48.3	50	RL-7124
Tritium	U	-60.8	pCi/L	174	292	704R6

#### SVOA

1,2-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260

#### VOA

1,1,1,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethene	UY	0.005	mg/L	0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.0002	mg/L	0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	0.005	SW846-8260
2-Butanone	JU	0.01	mg/L	0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L	0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	JU	0.01	mg/L	0.01	SW846-8260
Acetone	JU	0.01	mg/L	0.01	SW846-8260
Acrolein	JU	0.01	mg/L	0.01	SW846-8260
Acrylonitrile	JU	0.01	mg/L	0.01	SW846-8260
Benzene	UY	0.005	mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromoform	U	0.005	mg/L	0.005	SW846-8260
Bromomethane	U	0.005	mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	0.005	SW846-8260
Chlorobenzene	UY	0.005	mg/L	0.005	SW846-8260
Chloroethane	U	0.005	mg/L	0.005	SW846-8260
Chloroform	U	0.005	mg/L	0.005	SW846-8260
Chloromethane	JU	0.005	mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Dibromomethane	U	0.005	mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	0.005	SW846-8260

# Paducah-OREIS Data Report

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12/18/2007

## MW393

### 19449

Ethanol	U	0.25 mg/L	0.25	SW846-8015
Ethyl methacrylate	JU	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	JU	0.005 mg/L	0.005	SW846-8260
Methylene chloride	U	0.005 mg/L	0.005	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	UY	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	UY	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	35 mg/L	35	EPA-410.4 1978
Cyanide	*JU	0.05 mg/L	0.05	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		8.8 mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.154 mg/L	0.01	SW846-9020A

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# Paducah-OREIS Data Report

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12/18/2007

**MW394**  
**19449**  
**MW394SG4-04**

Collected: 7/20/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		54.6	mg/L		5	SW846-9056
Fluoride		0.19	mg/L		0.1	9214
Nitrate as Nitrogen		1	mg/L		1	SW846-9056
Sulfate		7.9	mg/L		5	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Antimony	U	0.005	mg/L		0.005	SW846-6020
Arsenic	UX	0.01	mg/L		0.01	SW846-6020
Barium		0.228	mg/L		0.005	SW846-6020
Barium, Dissolved		0.248	mg/L		0.005	SW846-6020
Beryllium	UX	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6010A
Cadmium	BU	0.001	mg/L		0.001	SW846-6020
Calcium	N	34	mg/L		1	SW846-6010A
Chromium	U	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved			NA			SW846-6020
Cobalt	BU	0.001	mg/L		0.001	SW846-6020
Copper	BU	0.02	mg/L		0.02	SW846-6020
Iron		0.287	mg/L		0.1	SW846-6010A
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		12.8	mg/L		0.02	SW846-6010A
Manganese	N	0.0407	mg/L		0.005	SW846-6020
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	U	0.001	mg/L		0.001	SW846-6020
Nickel	U	0.005	mg/L		0.005	SW846-6020
Potassium		1.16	mg/L		0.2	SW846-6010A
Rhodium	BU	0.005	mg/L		0.005	SW846-6020
Selenium	JU	0.005	mg/L		0.005	SW846-6020
Silver	U	0.001	mg/L		0.001	SW846-6020
Sodium	N	37.4	mg/L		2	SW846-6010A
Tantalum	BU	0.005	mg/L		0.005	SW846-6020
Thallium	BU	0.002	mg/L		0.002	SW846-6020
Uranium	BU	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved			NA			SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.88	Inches/Hg			
<b>PHYSC</b>						
Conductivity		393	umho/cm			
Depth to Water		51.46	ft			
Dissolved Oxygen		3.43	mg/L			
Dissolved Solids		224	mg/L		50	EPA-160.1
pH		6	Std Unit			
Redox		236	mV			
Temperature		65.4	deg F			
Turbidity		5.2	NTU			
<b>PCCB</b>						

# Paducah-OREIS Data Report

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## MW394

### 19449

PCB, Total	U	0.00018	mg/L	0.0002	SW846-8082
PCB-1016	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1221	U	0.00018	mg/L	0.0002	SW846-8082
PCB-1232	U	0.00014	mg/L	0.0001	SW846-8082
PCB-1242	U	0.0001	mg/L	0.0001	SW846-8082
PCB-1248	U	0.00012	mg/L	0.0001	SW846-8082
PCB-1254	U	0.00007	mg/L	7E-05	SW846-8082
PCB-1260	U	0.00005	mg/L	5E-05	SW846-8082
PCB-1268	U	0.00009	mg/L	9E-05	SW846-8082

#### RADS

Alpha activity	U	-1.49	pCi/L	1.33	6.12	EPA-900.0
Beta activity		6.18	pCi/L	1.25	5.48	EPA-900.0
Iodine-131	U	0.984	pCi/L	1.97	7.66	RL-7124
Strontium-90	U	-1.4	pCi/L	0.24	7	RL-7140
Technetium-99	U	1.15	pCi/L	12.1	17.7	RL-7100
Thorium-234	U	-21	pCi/L	41.9	48.2	RL-7124
Tritium	U	105	pCi/L	177	292	704R6

#### SVOA

1,2-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260

#### VOA

1,1,1,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethene	UY	0.005	mg/L	0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.0002	mg/L	0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	0.005	SW846-8260
2-Butanone	JU	0.01	mg/L	0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L	0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	JU	0.01	mg/L	0.01	SW846-8260
Acetone	JU	0.01	mg/L	0.01	SW846-8260
Acrolein	JU	0.01	mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L	0.01	SW846-8260
Benzene	UY	0.005	mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromoform	U	0.005	mg/L	0.005	SW846-8260
Bromomethane	U	0.005	mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	0.005	SW846-8260
Chlorobenzene	UY	0.005	mg/L	0.005	SW846-8260
Chloroethane	U	0.005	mg/L	0.005	SW846-8260
Chloroform	U	0.005	mg/L	0.005	SW846-8260
Chloromethane	JU	0.005	mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Dibromomethane	U	0.005	mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	0.005	SW846-8260

# Paducah-OREIS Data Report

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## MW394

### 19449

Ethanol	U	0.25 mg/L	0.25	SW846-8015
Ethyl methacrylate	JU	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	JU	0.005 mg/L	0.005	SW846-8260
Methylene chloride	U	0.005 mg/L	0.005	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	UY	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	Y	0.017 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	35 mg/L	35	EPA-410.4 1978
Cyanide	*JU	0.05 mg/L	0.05	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.0253 mg/L	0.01	SW846-9020A

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# Paducah-OREIS Data Report

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**MW395**  
**19449**  
**MW395SG4-04**

Collected: 7/20/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		59.4	mg/L		10	SW846-9056
Fluoride		0.14	mg/L		0.1	9214
Nitrate as Nitrogen		1.7	mg/L		1	SW846-9056
Sulfate		8	mg/L		5	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Antimony	U	0.005	mg/L		0.005	SW846-6020
Arsenic	UX	0.01	mg/L		0.01	SW846-6020
Barium		0.263	mg/L		0.005	SW846-6020
Barium, Dissolved		0.291	mg/L		0.005	SW846-6020
Beryllium	UX	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6010A
Cadmium	BU	0.001	mg/L		0.001	SW846-6020
Calcium	N	40	mg/L		1	SW846-6010A
Chromium	U	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved			NA			SW846-6020
Cobalt	BU	0.001	mg/L		0.001	SW846-6020
Copper	BU	0.02	mg/L		0.02	SW846-6020
Iron	U	0.1	mg/L		0.1	SW846-6010A
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		14.2	mg/L		0.02	SW846-6010A
Manganese	N	0.00605	mg/L		0.005	SW846-6020
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	U	0.001	mg/L		0.001	SW846-6020
Nickel	U	0.005	mg/L		0.005	SW846-6020
Potassium		1.9	mg/L		0.2	SW846-6010A
Rhodium	BU	0.005	mg/L		0.005	SW846-6020
Selenium	JU	0.005	mg/L		0.005	SW846-6020
Silver	U	0.001	mg/L		0.001	SW846-6020
Sodium	N	32.6	mg/L		2	SW846-6010A
Tantalum	BU	0.005	mg/L		0.005	SW846-6020
Thallium	BU	0.002	mg/L		0.002	SW846-6020
Uranium	BU	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved			NA			SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.88	Inches/Hg			
<b>PHYSC</b>						
Conductivity		404	umho/cm			
Depth to Water		52.12	ft			
Dissolved Oxygen		4.41	mg/L			
Dissolved Solids		237	mg/L		50	EPA-160.1
pH		5.9	Std Unit			
Redox		268	mV			
Temperature		69.3	deg F			
Turbidity		5	NTU			
<b>PCCB</b>						

# Paducah-OREIS Data Report

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12/18/2007

## MW395

### 19449

PCB, Total	U	0.00018	mg/L	0.0002	SW846-8082
PCB-1016	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1221	U	0.00018	mg/L	0.0002	SW846-8082
PCB-1232	U	0.00014	mg/L	0.0001	SW846-8082
PCB-1242	U	0.0001	mg/L	0.0001	SW846-8082
PCB-1248	U	0.00012	mg/L	0.0001	SW846-8082
PCB-1254	U	0.00007	mg/L	7E-05	SW846-8082
PCB-1260	U	0.00005	mg/L	5E-05	SW846-8082
PCB-1268	U	0.00009	mg/L	9E-05	SW846-8082

#### RADS

Alpha activity	U	2.18	pCi/L	1.13	5.92	EPA-900.0
Beta activity		8.02	pCi/L	1.53	5.44	EPA-900.0
Iodine-131	U	-0.264	pCi/L	0.52	7.57	RL-7124
Strontium-90	U	-1.1	pCi/L	0.18	6.35	RL-7140
Technetium-99	U	4.83	pCi/L	12	17.7	RL-7100
Thorium-234	U	-11.5	pCi/L	22.9	47.5	RL-7124
Tritium	U	56.6	pCi/L	176	292	704R6

#### SVOA

1,2-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260

#### VOA

1,1,1,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethene	UY	0.005	mg/L	0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.0002	mg/L	0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	0.005	SW846-8260
2-Butanone	JU	0.01	mg/L	0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L	0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	JU	0.01	mg/L	0.01	SW846-8260
Acetone	JU	0.01	mg/L	0.01	SW846-8260
Acrolein	JU	0.01	mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L	0.01	SW846-8260
Benzene	UY	0.005	mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromoform	U	0.005	mg/L	0.005	SW846-8260
Bromomethane	U	0.005	mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	0.005	SW846-8260
Chlorobenzene	UY	0.005	mg/L	0.005	SW846-8260
Chloroethane	U	0.005	mg/L	0.005	SW846-8260
Chloroform	U	0.005	mg/L	0.005	SW846-8260
Chloromethane	JU	0.005	mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Dibromomethane	U	0.005	mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	0.005	SW846-8260



# Paducah-OREIS Data Report

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## MW395

### 19449

Ethanol	U	0.25 mg/L	0.25	SW846-8015
Ethyl methacrylate	JU	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	JU	0.005 mg/L	0.005	SW846-8260
Methylene chloride	U	0.005 mg/L	0.005	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	UY	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	Y	0.01 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	35 mg/L	35	EPA-410.4 1978
Cyanide	*JU	0.05 mg/L	0.05	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.0119 mg/L	0.01	SW846-9020A

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# Paducah-OREIS Data Report

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12/18/2007

**MW396**

**19449**

**MW396SG4-04**

Collected: 7/20/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide		1.6	mg/L		1	SW846-9056
Chloride		100.8	mg/L		10	SW846-9056
Fluoride		0.54	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		16.7	mg/L		5	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Antimony	U	0.005	mg/L		0.005	SW846-6020
Arsenic	UX	0.01	mg/L		0.01	SW846-6020
Barium		0.309	mg/L		0.005	SW846-6020
Barium, Dissolved		0.323	mg/L		0.005	SW846-6020
Beryllium	UX	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6010A
Cadmium	BU	0.001	mg/L		0.001	SW846-6020
Calcium	N	46.4	mg/L		1	SW846-6010A
Chromium	U	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved			NA			SW846-6020
Cobalt	B	0.00344	mg/L		0.001	SW846-6020
Copper	BU	0.02	mg/L		0.02	SW846-6020
Iron		4.89	mg/L		0.1	SW846-6010A
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		19.1	mg/L		0.02	SW846-6010A
Manganese	N	0.796	mg/L		0.005	SW846-6020
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470
Molybdenum		0.00101	mg/L		0.001	SW846-6020
Nickel	U	0.005	mg/L		0.005	SW846-6020
Potassium		1.24	mg/L		0.2	SW846-6010A
Rhodium	BU	0.005	mg/L		0.005	SW846-6020
Selenium	J	0.00897	mg/L		0.005	SW846-6020
Silver	U	0.001	mg/L		0.001	SW846-6020
Sodium	N	147	mg/L		2	SW846-6010A
Tantalum	BU	0.005	mg/L		0.005	SW846-6020
Thallium	BU	0.002	mg/L		0.002	SW846-6020
Uranium	BU	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved			NA			SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.88	Inches/Hg			
<b>PHYSC</b>						
Conductivity		962	umho/cm			
Depth to Water		9.34	ft			
Dissolved Oxygen		1.24	mg/L			
Dissolved Solids		554	mg/L		50	EPA-160.1
pH		6.5	Std Unit			
Redox		-3	mV			
Temperature		73.3	deg F			
Turbidity		8.2	NTU			
<b>PCCB</b>						

# Paducah-OREIS Data Report

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12/18/2007

## MW396

### 19449

PCB, Total	U	0.00018	mg/L	0.0002	SW846-8082
PCB-1016	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1221	U	0.00018	mg/L	0.0002	SW846-8082
PCB-1232	U	0.00014	mg/L	0.0001	SW846-8082
PCB-1242	U	0.0001	mg/L	0.0001	SW846-8082
PCB-1248	U	0.00012	mg/L	0.0001	SW846-8082
PCB-1254	U	0.00007	mg/L	7E-05	SW846-8082
PCB-1260	U	0.00005	mg/L	5E-05	SW846-8082
PCB-1268	U	0.00009	mg/L	9E-05	SW846-8082

#### RADS

Alpha activity	UX	-7.2	pCi/L	14.4	15.6	EPA-900.0
Beta activity	U	3.97	pCi/L	0.93	8.7	EPA-900.0
Iodine-131	U	1.03	pCi/L	2.06	8.58	RL-7124
Strontium-90	U	-1.48	pCi/L	0.25	6.4	RL-7140
Technetium-99	U	2.01	pCi/L	11.9	17.7	RL-7100
Thorium-234	U	-26.2	pCi/L	52.3	48.3	RL-7124
Tritium	U	16.8	pCi/L	179	298	704R6

#### SVOA

1,2-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260

#### VOA

1,1,1,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethene	UY	0.005	mg/L	0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.0002	mg/L	0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	0.005	SW846-8260
2-Butanone	JU	0.01	mg/L	0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L	0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	JU	0.01	mg/L	0.01	SW846-8260
Acetone	JU	0.01	mg/L	0.01	SW846-8260
Acrolein	JU	0.01	mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L	0.01	SW846-8260
Benzene	UY	0.005	mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromoform	U	0.005	mg/L	0.005	SW846-8260
Bromomethane	U	0.005	mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	0.005	SW846-8260
Chlorobenzene	UY	0.005	mg/L	0.005	SW846-8260
Chloroethane	U	0.005	mg/L	0.005	SW846-8260
Chloroform	U	0.005	mg/L	0.005	SW846-8260
Chloromethane	JU	0.005	mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Dibromomethane	U	0.005	mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	0.005	SW846-8260

# Paducah-OREIS Data Report

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## MW396

### 19449

Ethanol	U	0.25 mg/L	0.25	SW846-8015
Ethyl methacrylate	JU	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	JU	0.005 mg/L	0.005	SW846-8260
Methylene chloride	U	0.005 mg/L	0.005	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	UY	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	UY	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	35 mg/L	35	EPA-410.4 1978
Cyanide	*JU	0.05 mg/L	0.05	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		8 mg/L	2	SW846-9060
Total Organic Halides (TOX)		0.112 mg/L	0.01	SW846-9020A

# Paducah-OREIS Data Report

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**MW397**  
**19449**  
**MW397SG4-04**

Collected: 7/21/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		40.9	mg/L		2	SW846-9056
Fluoride		0.15	mg/L		0.1	9214
Nitrate as Nitrogen		1.9	mg/L		1	SW846-9056
Sulfate		12	mg/L		5	SW846-9056
<b>METAL</b>						
Aluminum		0.36	mg/L		0.2	SW846-6010A
Antimony	U	0.005	mg/L	0	0.005	SW846-6020
Arsenic	U	0.01	mg/L	0	0.01	SW846-6020
Barium	X	0.134	mg/L	0	0.005	SW846-6020
Barium, Dissolved	X	0.129	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L	0	0.001	SW846-6020
Boron	JU	0.2	mg/L		0.2	SW846-6010A
Cadmium	U	0.001	mg/L	0	0.001	SW846-6020
Calcium	JN	20	mg/L		1	SW846-6010A
Chromium	U	0.02	mg/L	0	0.02	SW846-6020
Chromium, Dissolved			NA			SW846-6020
Cobalt	BU	0.001	mg/L	0	0.001	SW846-6020
Copper	BU	0.02	mg/L	0	0.02	SW846-6020
Iron		0.278	mg/L		0.1	SW846-6010A
Lead	U	0.005	mg/L	0	0.005	SW846-6020
Magnesium	N	8.09	mg/L		0.02	SW846-6010A
Manganese	U	0.005	mg/L	0	0.005	SW846-6020
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BU	0.001	mg/L	0	0.001	SW846-6020
Nickel	U	0.005	mg/L	0	0.005	SW846-6020
Potassium		2.04	mg/L		0.2	SW846-6010A
Rhodium	BU	0.005	mg/L	0	0.005	SW846-6020
Selenium	U	0.005	mg/L	0	0.005	SW846-6020
Silver	U	0.001	mg/L	0	0.001	SW846-6020
Sodium	JN	37.1	mg/L		2	SW846-6010A
Tantalum	BU	0.005	mg/L	0	0.005	SW846-6020
Thallium	U	0.002	mg/L	0	0.002	SW846-6020
Uranium	BU	0.001	mg/L	0	0.001	SW846-6020
Uranium, Dissolved			NA			SW846-6020
Vanadium	U	0.02	mg/L	0	0.02	SW846-6020
Zinc	U	0.02	mg/L	0	0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.91	Inches/Hg			
<b>PHYSC</b>						
Conductivity		329	umho/cm			
Depth to Water		60.1	ft			
Dissolved Oxygen		5.4	mg/L			
Dissolved Solids		190	mg/L		50	EPA-160.1
pH		5.98	Std Unit			
Redox		305	mV			
Temperature		65.3	deg F			
Turbidity		3.5	NTU			
<b>PCCB</b>						

# Paducah-OREIS Data Report

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## MW397

### 19449

PCB, Total	U	0.00018	mg/L	0.0002	SW846-8082
PCB-1016	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1221	U	0.00018	mg/L	0.0002	SW846-8082
PCB-1232	U	0.00014	mg/L	0.0001	SW846-8082
PCB-1242	U	0.0001	mg/L	0.0001	SW846-8082
PCB-1248	U	0.00012	mg/L	0.0001	SW846-8082
PCB-1254	U	0.00007	mg/L	7E-05	SW846-8082
PCB-1260	U	0.00005	mg/L	5E-05	SW846-8082
PCB-1268	U	0.00009	mg/L	9E-05	SW846-8082

#### RADS

Alpha activity	U	1.36	pCi/L	0.75	5.95	EPA-900.0
Beta activity		9.64	pCi/L	1.75	5.44	EPA-900.0
Iodine-131	U	-3.04	pCi/L	6.07	13.8	RL-7124
Strontium-90	U	-0.386	pCi/L	0.06	5.58	RL-7140
Technetium-99	U	10	pCi/L	11.8	17.2	RL-7100
Thorium-234	U	-16	pCi/L	31.9	50	RL-7124
Tritium	U	101	pCi/L	177	292	704R6

#### SVOA

1,2-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260

#### VOA

1,1,1,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethene	UY	0.005	mg/L	0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.0002	mg/L	0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	0.005	SW846-8260
2-Butanone	JU	0.01	mg/L	0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L	0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	JU	0.01	mg/L	0.01	SW846-8260
Acetone	JU	0.01	mg/L	0.01	SW846-8260
Acrolein	JU	0.01	mg/L	0.01	SW846-8260
Acrylonitrile	JU	0.01	mg/L	0.01	SW846-8260
Benzene	UY	0.005	mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromoform	U	0.005	mg/L	0.005	SW846-8260
Bromomethane	U	0.005	mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	0.005	SW846-8260
Chlorobenzene	UY	0.005	mg/L	0.005	SW846-8260
Chloroethane	U	0.005	mg/L	0.005	SW846-8260
Chloroform	U	0.005	mg/L	0.005	SW846-8260
Chloromethane	JU	0.005	mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Dibromomethane	U	0.005	mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	0.005	SW846-8260

# Paducah-OREIS Data Report

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## MW397

### 19449

Ethanol	U	0.25 mg/L	0.25	SW846-8015
Ethyl methacrylate	JU	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	JU	0.005 mg/L	0.005	SW846-8260
Methylene chloride	U	0.005 mg/L	0.005	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	UY	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	UY	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	35 mg/L	35	EPA-410.4 1978
Cyanide	U	0.05 mg/L	0.05	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		1.2 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.01 mg/L	0.01	SW846-9020A

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# Paducah-OREIS Data Report

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**MW66**

**19482**

**MW66M7-04**

Collected: 7/27/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METEO</b>						
Barometric Pressure Reading		30.03	Inches/Hg			
<b>PHYSC</b>						
Conductivity		201	umho/cm			
Depth to Water		44.37	ft			
Dissolved Oxygen		6.55	mg/L			
pH		5.9	Std Unit			
Redox		349	mV			
Temperature		63.4	deg F			
Turbidity		5.3	NTU			
<b>RADS</b>						
Alpha activity		5.76	pCi/L	1.32	5.03	EPA-900.0
Beta activity		250	pCi/L	11.5	5.97	EPA-900.0
Technetium-99		384	pCi/L	23.8	19.1	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.1	mg/L		0.1	SW846-8260
1,1,2-Trichloroethane	U	0.1	mg/L		0.1	SW846-8260
1,1-Dichloroethane	U	0.1	mg/L		0.1	SW846-8260
1,1-Dichloroethene	U	0.1	mg/L		0.1	SW846-8260
1,2-Dichloroethane	U	0.1	mg/L		0.1	SW846-8260
Benzene	U	0.1	mg/L		0.1	SW846-8260
Bromodichloromethane	U	0.1	mg/L		0.1	SW846-8260
Carbon tetrachloride	U	0.1	mg/L		0.1	SW846-8260
Chloroform	U	0.1	mg/L		0.1	SW846-8260
cis-1,2-Dichloroethene	U	0.1	mg/L		0.1	SW846-8260
Ethylbenzene	U	0.1	mg/L		0.1	SW846-8260
Tetrachloroethene	U	0.1	mg/L		0.1	SW846-8260
Toluene	U	0.1	mg/L		0.1	SW846-8260
Total Xylene	U	0.3	mg/L		0.3	SW846-8260
trans-1,2-Dichloroethene	U	0.1	mg/L		0.1	SW846-8260
Trichloroethene	D	0.55	mg/L		0.02	SW846-8260
Vinyl chloride	U	0.04	mg/L		0.04	SW846-8260



# Paducah-OREIS Data Report

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**MW66**

**19483**

**MW66M8-04**

Collected: 8/27/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METEO</b>						
Barometric Pressure Reading		30.03	Inches/Hg			
<b>PHYSC</b>						
Conductivity		194	umho/cm			
Depth to Water		45.4	ft			
Dissolved Oxygen		6.64	mg/L			
pH		5.8	Std Unit			
Redox		272	mV			
Temperature		67.1	deg F			
Turbidity		3	NTU			
<b>RADS</b>						
Alpha activity	U	1.53	pCi/L	0.4	5.2	EPA-900.0
Beta activity		247	pCi/L	11.9	6	EPA-900.0
Technetium-99		336	pCi/L	19.9	16.6	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.1	mg/L	0	0.1	SW846-8260
1,1,2-Trichloroethane	U	0.1	mg/L	0	0.1	SW846-8260
1,1-Dichloroethane	U	0.1	mg/L	0	0.1	SW846-8260
1,1-Dichloroethene	U	0.1	mg/L	0	0.1	SW846-8260
1,2-Dichloroethane	U	0.1	mg/L	0	0.1	SW846-8260
Benzene	U	0.1	mg/L	0	0.1	SW846-8260
Bromodichloromethane	U	0.1	mg/L	0	0.1	SW846-8260
Carbon tetrachloride	U	0.1	mg/L	0	0.1	SW846-8260
Chloroform	U	0.1	mg/L	0	0.1	SW846-8260
cis-1,2-Dichloroethene	U	0.1	mg/L	0	0.1	SW846-8260
Ethylbenzene	U	0.1	mg/L	0	0.1	SW846-8260
Tetrachloroethene	U	0.1	mg/L	0	0.1	SW846-8260
Toluene	U	0.1	mg/L	0	0.1	SW846-8260
Total Xylene	U	0.3	mg/L	0	0.3	SW846-8260
trans-1,2-Dichloroethene	U	0.1	mg/L	0	0.1	SW846-8260
Trichloroethene	D	0.53	mg/L	0	0.02	SW846-8260
Vinyl chloride	U	0.04	mg/L	0	0.04	SW846-8260

# Paducah-OREIS Data Report

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12/18/2007

**MW66**

**19524**

**MW66M9-04**

Collected: 9/28/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METEO</b>						
Barometric Pressure Reading		30	Inches/Hg			
<b>PHYSC</b>						
Conductivity		193	umho/cm			
Depth to Water		46.44	ft			
Dissolved Oxygen		7.24	mg/L			
pH		6.3	Std Unit			
Redox		183	mV			
Temperature		62.1	deg F			
Turbidity		5	NTU			
<b>RADS</b>						
Alpha activity		12.5	pCi/L	2.33	6.43	EPA-900.0
Beta activity		256	pCi/L	12	5.94	EPA-900.0
Technetium-99		326	pCi/L	20	17	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.05	mg/L	0	0.05	SW846-8260
1,1,2-Trichloroethane	U	0.05	mg/L	0	0.05	SW846-8260
1,1-Dichloroethane	U	0.05	mg/L	0	0.05	SW846-8260
1,1-Dichloroethene	U	0.05	mg/L	0	0.05	SW846-8260
1,2-Dichloroethane	U	0.05	mg/L	0	0.05	SW846-8260
Benzene	U	0.05	mg/L	0	0.05	SW846-8260
Bromodichloromethane	U	0.05	mg/L	0	0.05	SW846-8260
Carbon tetrachloride	U	0.05	mg/L	0	0.05	SW846-8260
Chloroform	U	0.05	mg/L	0	0.05	SW846-8260
cis-1,2-Dichloroethene	U	0.05	mg/L	0	0.05	SW846-8260
Ethylbenzene	U	0.05	mg/L	0	0.05	SW846-8260
Tetrachloroethene	U	0.05	mg/L	0	0.05	SW846-8260
Toluene	U	0.05	mg/L	0	0.05	SW846-8260
Total Xylene	U	0.15	mg/L	0	0.15	SW846-8260
trans-1,2-Dichloroethene	U	0.05	mg/L	0	0.05	SW846-8260
Trichloroethene	D	0.55	mg/L	0	0.01	SW846-8260
Vinyl chloride	U	0.02	mg/L	0	0.02	SW846-8260

# Paducah-OREIS Data Report

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12/18/2007

**MW245**

**19543**

**MW245QS4-04**

Collected: 8/9/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	B	1.43	mg/L		0.2	SW846-6010A
Aluminum, Dissolved	U	0.2	mg/L		0.2	SW846-6010A
Calcium	B	31.8	mg/L		1	SW846-6010A
Calcium, Dissolved	B	30.4	mg/L		1	SW846-6010A
Iron	B	44.8	mg/L		0.1	SW846-6010A
Iron, Dissolved		37.1	mg/L		0.1	SW846-6010A
Magnesium	B	12.8	mg/L		0.02	SW846-6010A
Magnesium, Dissolved	B	12.4	mg/L		0.02	SW846-6010A
Manganese		13.9	mg/L		0.5	SW846-6020
Manganese, Dissolved	N	14.4	mg/L		0.5	SW846-6020
Potassium		1.29	mg/L		0.2	SW846-6010A
Potassium, Dissolved		1.08	mg/L		0.2	SW846-6010A
Sodium		28.6	mg/L		1	SW846-6010A
Sodium, Dissolved		27.5	mg/L		1	SW846-6010A
<b>METEO</b>						
Barometric Pressure Reading		30.06	Inches/Hg			
<b>PHYSC</b>						
Conductivity		586	umho/cm			
Depth to Water		42.75	ft			
Dissolved Oxygen		1.03	mg/L			
pH		6.09	Std Unit			
Redox		-3	mV			
Temperature		63.7	deg F			
Turbidity		169	NTU			
<b>RADS</b>						
Alpha activity	U	2.54	pCi/L	1.6	7.46	EPA-900.0
Beta activity	U	5.58	pCi/L	1.16	7.09	EPA-900.0
Technetium-99	U	3.58	pCi/L	11.5	17	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.01	mg/L		0.01	SW846-8260
1,1,2-Trichloroethane	U	0.01	mg/L		0.01	SW846-8260
1,1-Dichloroethane	U	0.01	mg/L		0.01	SW846-8260
1,1-Dichloroethene	U	0.01	mg/L		0.01	SW846-8260
1,2-Dichloroethane	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.01	mg/L		0.01	SW846-8260
Bromodichloromethane	U	0.01	mg/L		0.01	SW846-8260
Carbon tetrachloride	U	0.01	mg/L		0.01	SW846-8260
Chloroform	U	0.01	mg/L		0.01	SW846-8260
cis-1,2-Dichloroethene	U	0.01	mg/L		0.01	SW846-8260
Ethylbenzene	U	0.01	mg/L		0.01	SW846-8260
Tetrachloroethene	U	0.01	mg/L		0.01	SW846-8260
Toluene	U	0.01	mg/L		0.01	SW846-8260
Total Xylene	U	0.03	mg/L		0.03	SW846-8260
trans-1,2-Dichloroethene	U	0.01	mg/L		0.01	SW846-8260
Trichloroethene	D	0.11	mg/L		0.002	SW846-8260
Vinyl chloride	U	0.004	mg/L		0.004	SW846-8260
<b>WETCHEM</b>						
Phosphate as Phosphorous	U	2	mg/L		2	SW846-9056
Silica		20	mg/L		1	EPA-370.1

MW245

19543

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# Paducah-OREIS Data Report

PaducahOREIS Download  
12/18/2007

**MW66**

**19545**

**MW66M10-04**

Collected: 10/27/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METEO</b>						
Barometric Pressure Reading		30.09	Inches/Hg			
<b>PHYSC</b>						
Conductivity		193	umho/cm			
Depth to Water		47.53	ft			
Dissolved Oxygen		6.75	mg/L			
pH		5.9	Std Unit			
Redox		256	mV			
Temperature		62.7	deg F			
Turbidity		3.6	NTU			
<b>RADS</b>						
Alpha activity		9.43	pCi/L	1.89	4.11	SW846-9310
Beta activity		253	pCi/L	11.7	4.65	SW846-9310
Technetium-99		384	pCi/L	22.3	18.9	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.05	mg/L		0.05	SW846-8260
1,1,2-Trichloroethane	U	0.05	mg/L		0.05	SW846-8260
1,1-Dichloroethane	U	0.05	mg/L		0.05	SW846-8260
1,1-Dichloroethene	U	0.05	mg/L		0.05	SW846-8260
1,2-Dichloroethane	U	0.05	mg/L		0.05	SW846-8260
Benzene	U	0.05	mg/L		0.05	SW846-8260
Bromodichloromethane	U	0.05	mg/L		0.05	SW846-8260
Carbon tetrachloride	U	0.05	mg/L		0.05	SW846-8260
Chloroform	U	0.05	mg/L		0.05	SW846-8260
cis-1,2-Dichloroethene	U	0.05	mg/L		0.05	SW846-8260
Ethylbenzene	U	0.05	mg/L		0.05	SW846-8260
Tetrachloroethene	U	0.05	mg/L		0.05	SW846-8260
Toluene	U	0.05	mg/L		0.05	SW846-8260
Total Xylene	U	0.15	mg/L		0.15	SW846-8260
trans-1,2-Dichloroethene	U	0.05	mg/L		0.05	SW846-8260
Trichloroethene	D	0.48	mg/L		0.01	SW846-8260
Vinyl chloride	U	0.02	mg/L		0.02	SW846-8260

# Paducah-OREIS Data Report

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12/18/2007

**MW66**

**19545**

**MW66DM10-04**

Collected: 10/27/2004

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METEO</b>						
Barometric Pressure Reading		30.09	Inches/Hg			
<b>PHYSC</b>						
Conductivity		193	umho/cm			
Depth to Water		47.53	ft			
Dissolved Oxygen		6.75	mg/L			
pH		5.9	Std Unit			
Redox		256	mV			
Temperature		62.7	deg F			
Turbidity		3.6	NTU			
<b>RADS</b>						
Alpha activity		6.92	pCi/L	1.48	4.16	SW846-9310
Beta activity		242	pCi/L	11.5	4.66	SW846-9310
Technetium-99		346	pCi/L	21.6	18.9	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.05	mg/L		0.05	SW846-8260
1,1,2-Trichloroethane	U	0.05	mg/L		0.05	SW846-8260
1,1-Dichloroethane	U	0.05	mg/L		0.05	SW846-8260
1,1-Dichloroethene	U	0.05	mg/L		0.05	SW846-8260
1,2-Dichloroethane	U	0.05	mg/L		0.05	SW846-8260
Benzene	U	0.05	mg/L		0.05	SW846-8260
Bromodichloromethane	U	0.05	mg/L		0.05	SW846-8260
Carbon tetrachloride	U	0.05	mg/L		0.05	SW846-8260
Chloroform	U	0.05	mg/L		0.05	SW846-8260
cis-1,2-Dichloroethene	U	0.05	mg/L		0.05	SW846-8260
Ethylbenzene	U	0.05	mg/L		0.05	SW846-8260
Tetrachloroethene	U	0.05	mg/L		0.05	SW846-8260
Toluene	U	0.05	mg/L		0.05	SW846-8260
Total Xylene	U	0.15	mg/L		0.15	SW846-8260
trans-1,2-Dichloroethene	U	0.05	mg/L		0.05	SW846-8260
Trichloroethene	D	0.48	mg/L		0.01	SW846-8260
Vinyl chloride	U	0.02	mg/L		0.02	SW846-8260

# Paducah-OREIS Data Report

PaducahOREIS Download  
12/18/2007

**MW369**  
**19612**  
**MW369UG1-05**

Collected: 10/7/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		43.8	mg/L		2	SW846-9056
Fluoride		0.24	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		13.5	mg/L		5	SW846-9056
<b>METAL</b>						
Aluminum		0.203	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic		0.00615	mg/L		0.001	SW846-6020
Barium		0.349	mg/L		0.005	SW846-6020
Barium, Dissolved	B	0.36	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	BU	0.2	mg/L		0.2	SW846-6010A
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		19.1	mg/L		1	SW846-6010A
Chromium	BU	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Cobalt		0.0635	mg/L		0.001	SW846-6020
Copper	BNUX	0.02	mg/L		0.02	SW846-6020
Iron		5.66	mg/L		0.1	SW846-6010A
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		7.89	mg/L		0.02	SW846-6010A
Manganese	X	0.611	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	BN	0.0109	mg/L		0.005	SW846-6020
Potassium		0.72	mg/L		0.2	SW846-6010A
Rhodium	BU	0.005	mg/L		0.005	SW846-6020
Selenium	U	0.005	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		56.5	mg/L		1	SW846-6010A
Tantalum	NU	0.005	mg/L		0.005	SW846-6020
Thallium	BU	0.002	mg/L		0.002	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	UX	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		30.3	Inches/Hg			
<b>PHYSC</b>						
Conductivity		405	umho/cm			
Depth to Water		40.8	ft			
Dissolved Oxygen		1.48	mg/L			
Dissolved Solids		238	mg/L		100	EPA-160.1
pH		6.3	Std Unit			
Redox		40	mV			
Suspended Solids	U	50	mg/L		50	EPA-160.2
Temperature		62.9	deg F			
Total Solids		243	mg/L		100	EPA-160.3

\*QUALIFIER Codes See attached List.

# Paducah-OREIS Data Report

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12/18/2007

## MW369

### 19612

Turbidity		53.4	NTU			
<b>RADS</b>						
Alpha activity	U	1.18	pCi/L	0.74	4.83	SW846-9310
Beta activity	U	2.06	pCi/L	0.45	5.7	SW846-9310
Iodine-131	UX	-4.59	pCi/L	9.19	30	RL-7124
Radium	U	-0.1	pCi/L	0.1	0.6	RL-7113
Radium-224	U	0.0829	pCi/L	0.16	1.74	RL-7129
Radium-226	U	0.228	pCi/L	0.27	0.74	RL-7129
Radium-228	U	4.05	pCi/L	8.11	35.7	RL-7129
Strontium-90	U	0.277	pCi/L	0.04	2.77	RL-7140
Technetium-99	U	10.1	pCi/L	12.2	17.5	RL-7100
Thorium-230	U	0.586	pCi/L	0.15	0.77	RL-7128
Tritium	U	-457	pCi/L	161	282	704R6
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	JU	0.01	mg/L		0.01	SW846-8260
Acrolein	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	JU	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	JU	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	JU	0.005	mg/L		0.005	SW846-8260



**MW369****19612**

Methylene chloride	U	0.005 mg/L	0.005	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene		0.0011 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	35 mg/L	35	EPA-410.4 1978
Cyanide	U	0.05 mg/L	0.05	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		1.9 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.04 mg/L	0.04	SW846-9020A

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# Paducah-OREIS Data Report

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12/18/2007

**MW370**  
**19612**  
**MW370UG1-05**

Collected: 10/7/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		51.1	mg/L		5	SW846-9056
Fluoride		0.18	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		19.1	mg/L		5	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic		0.00192	mg/L		0.001	SW846-6020
Barium		0.203	mg/L		0.005	SW846-6020
Barium, Dissolved	B	0.203	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	BU	0.2	mg/L		0.2	SW846-6010A
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		31.1	mg/L		1	SW846-6010A
Chromium	BU	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Cobalt		0.00908	mg/L		0.001	SW846-6020
Copper	BNUX	0.02	mg/L		0.02	SW846-6020
Iron		0.565	mg/L		0.1	SW846-6010A
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		12.6	mg/L		0.02	SW846-6010A
Manganese	X	0.246	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	BNU	0.005	mg/L		0.005	SW846-6020
Potassium		2.63	mg/L		0.2	SW846-6010A
Rhodium	BU	0.005	mg/L		0.005	SW846-6020
Selenium	U	0.005	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		39.5	mg/L		1	SW846-6010A
Tantalum	NU	0.005	mg/L		0.005	SW846-6020
Thallium	BU	0.002	mg/L		0.002	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	UX	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		30.3	Inches/Hg			
<b>PHYSC</b>						
Conductivity		439	umho/cm			
Depth to Water		41.68	ft			
Dissolved Oxygen		1.9	mg/L			
Dissolved Solids		246	mg/L		100	EPA-160.1
pH		6.2	Std Unit			
Redox		45	mV			
Suspended Solids	U	50	mg/L		50	EPA-160.2
Temperature		66.1	deg F			
Total Solids		236	mg/L		100	EPA-160.3

**MW370**

**19612**

Turbidity		20.4	NTU			
<b>RADS</b>						
Alpha activity	U	3.51	pCi/L	1.46	4.6	SW846-9310
Beta activity		22.7	pCi/L	2.96	5.63	SW846-9310
Iodine-131	UX	7.19	pCi/L	14.4	30	RL-7124
Radium	U	0.315	pCi/L	0.1	0.6	RL-7113
Radium-224	U	-0.0308	pCi/L	0.06	1.15	RL-7129
Radium-226	U	0.299	pCi/L	0.31	0.69	RL-7129
Radium-228	U	-5.2	pCi/L	10.4	26.8	RL-7129
Strontium-90	U	0.103	pCi/L	0.01	2.8	RL-7140
Technetium-99		38.2	pCi/L	13.1	17.5	RL-7100
Thorium-230	U	0.533	pCi/L	0.17	0.77	RL-7128
Tritium	U	-335	pCi/L	163	282	704R6
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JU	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	JU	0.01	mg/L		0.01	SW846-8260
Acrolein	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	JU	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	JU	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	JU	0.005	mg/L		0.005	SW846-8260

# Paducah-OREIS Data Report

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12/18/2007

## MW370

### 19612

Methylene chloride	U	0.005 mg/L	0.005	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene		0.012 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	35 mg/L	35	EPA-410.4 1978
Cyanide	U	0.05 mg/L	0.05	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.04 mg/L	0.04	SW846-9020A

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# Paducah-OREIS Data Report

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**MW371**  
**19612**  
**MW371UG1-05**

Collected: 10/7/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		8.8	mg/L		2	SW846-9056
Fluoride		0.3	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate	U	5	mg/L		5	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic	U	0.001	mg/L		0.001	SW846-6020
Barium		0.124	mg/L		0.005	SW846-6020
Barium, Dissolved	B	0.121	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	BU	0.2	mg/L		0.2	SW846-6010A
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		31.2	mg/L		1	SW846-6010A
Chromium	BU	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Cobalt	U	0.001	mg/L		0.001	SW846-6020
Copper	BNUX	0.02	mg/L		0.02	SW846-6020
Iron		1.61	mg/L		0.1	SW846-6010A
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		12.2	mg/L		0.02	SW846-6010A
Manganese	X	0.0299	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	BNU	0.005	mg/L		0.005	SW846-6020
Potassium		0.394	mg/L		0.2	SW846-6010A
Rhodium	BU	0.005	mg/L		0.005	SW846-6020
Selenium	U	0.005	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		138	mg/L		1	SW846-6010A
Tantalum	NU	0.005	mg/L		0.005	SW846-6020
Thallium	BU	0.002	mg/L		0.002	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	UX	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		30.3	Inches/Hg			
<b>PHYSC</b>						
Conductivity		722	umho/cm			
Depth to Water		24.21	ft			
Dissolved Oxygen		1.42	mg/L			
Dissolved Solids		426	mg/L		100	EPA-160.1
pH		6.7	Std Unit			
Redox		13	mV			
Suspended Solids	U	50	mg/L		50	EPA-160.2
Temperature		66.7	deg F			
Total Solids		437	mg/L		100	EPA-160.3

**MW371****19612**

Turbidity		17.2	NTU			
<b>RADS</b>						
Alpha activity	U	-0.283	pCi/L	0.23	8.23	SW846-9310
Beta activity	U	2.07	pCi/L	0.45	6.6	SW846-9310
Iodine-131	UX	6.84	pCi/L	13.7	30	RL-7124
Radium	U	-0.332	pCi/L	0.33	0.6	RL-7113
Radium-224	U	0.0444	pCi/L	0.19	1.01	RL-7129
Radium-226	U	0.154	pCi/L	0.23	0.76	RL-7129
Radium-228	U	-9.56	pCi/L	19.1	27	RL-7129
Strontium-90	U	-0.727	pCi/L	0.13	2.68	RL-7140
Technetium-99	U	4.11	pCi/L	12	17.5	RL-7100
Thorium-230	U	0.618	pCi/L	0.16	0.77	RL-7128
Tritium	U	-382	pCi/L	162	282	704R6
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	JU	0.01	mg/L		0.01	SW846-8260
Acrolein	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	JU	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	JU	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	JU	0.005	mg/L		0.005	SW846-8260

# Paducah-OREIS Data Report

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## MW371

### 19612

Methylene chloride	U	0.005 mg/L	0.005	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	35 mg/L	35	EPA-410.4 1978
Cyanide	U	0.05 mg/L	0.05	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		2.1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.04 mg/L	0.04	SW846-9020A

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# Paducah-OREIS Data Report

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**MW66**

**19617**

**MW66M11-04**

Collected: 11/30/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METEO</b>						
Barometric Pressure Reading		30	Inches/Hg			
<b>PHYSC</b>						
Conductivity		197	umho/cm			
Depth to Water		47.48	ft			
Dissolved Oxygen		6.7	mg/L			
pH		6.18	Std Unit			
Redox		86	mV			
Temperature		59.2	deg F			
Turbidity		6.8	NTU			
<b>RADS</b>						
Alpha activity		13.1	pCi/L	2.65	3.72	SW846-9310
Beta activity		281	pCi/L	13.2	5.66	SW846-9310
Technetium-99		310	pCi/L	20.9	18.7	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.05	mg/L		0.05	SW846-8260
1,1,2-Trichloroethane	U	0.05	mg/L		0.05	SW846-8260
1,1-Dichloroethane	U	0.05	mg/L		0.05	SW846-8260
1,1-Dichloroethene	U	0.05	mg/L		0.05	SW846-8260
1,2-Dichloroethane	U	0.05	mg/L		0.05	SW846-8260
Benzene	U	0.05	mg/L		0.05	SW846-8260
Bromodichloromethane	U	0.05	mg/L		0.05	SW846-8260
Carbon tetrachloride	U	0.05	mg/L		0.05	SW846-8260
Chloroform	U	0.05	mg/L		0.05	SW846-8260
cis-1,2-Dichloroethene	U	0.05	mg/L		0.05	SW846-8260
Ethylbenzene	U	0.05	mg/L		0.05	SW846-8260
Tetrachloroethene	U	0.05	mg/L		0.05	SW846-8260
Toluene	U	0.05	mg/L		0.05	SW846-8260
Total Xylene	U	0.15	mg/L		0.15	SW846-8260
trans-1,2-Dichloroethene	U	0.05	mg/L		0.05	SW846-8260
Trichloroethene	D	0.44	mg/L		0.01	SW846-8260
Vinyl chloride	U	0.02	mg/L		0.02	SW846-8260



# Paducah-OREIS Data Report

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## MW222

### 19653

#### MW222PCB12-04

Collected: 12/9/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METEO</b>						
Barometric Pressure Reading		29.83	Inches/Hg			
<b>PHYSC</b>						
Conductivity		422	umho/cm			
Depth to Water		71.21	ft			
Dissolved Oxygen		1.04	mg/L			
pH		6.8	Std Unit			
Redox		209	mV			
Temperature		59.8	deg F			
Turbidity		83	NTU			
<b>PCB</b>						
PCB, Total		0.0004	mg/L		0.0002	SW846-8082
PCB-1016		0.0004	mg/L		0.0002	SW846-8082
PCB-1221	U	0.00018	mg/L		0.0002	SW846-8082
PCB-1232	U	0.00014	mg/L		0.0001	SW846-8082
PCB-1242	U	0.0001	mg/L		0.0001	SW846-8082
PCB-1248	U	0.00012	mg/L		0.0001	SW846-8082
PCB-1254	U	0.00007	mg/L		7E-05	SW846-8082
PCB-1260	U	0.00005	mg/L		5E-05	SW846-8082
PCB-1268	U	0.00009	mg/L		9E-05	SW846-8082

#### MW222DPCB12-04

Collected: 12/9/2004

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METEO</b>						
Barometric Pressure Reading		29.83	Inches/Hg			
<b>PHYSC</b>						
Conductivity		422	umho/cm			
Depth to Water		71.21	ft			
Dissolved Oxygen		1.04	mg/L			
pH		6.8	Std Unit			
Redox		209	mV			
Temperature		59.8	deg F			
Turbidity		83	NTU			
<b>PCB</b>						
PCB, Total		0.00037	mg/L		0.0002	SW846-8082
PCB-1016		0.00037	mg/L		0.0002	SW846-8082
PCB-1221	U	0.00018	mg/L		0.0002	SW846-8082
PCB-1232	U	0.00014	mg/L		0.0001	SW846-8082
PCB-1242	U	0.0001	mg/L		0.0001	SW846-8082
PCB-1248	U	0.00012	mg/L		0.0001	SW846-8082
PCB-1254	U	0.00007	mg/L		7E-05	SW846-8082
PCB-1260	U	0.00005	mg/L		5E-05	SW846-8082
PCB-1268	U	0.00009	mg/L		9E-05	SW846-8082

# Paducah-OREIS Data Report

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12/18/2007

**MW223**

**19653**

**MW223PCB12-04**

Collected: 12/9/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METEO</b>						
Barometric Pressure Reading		29.83	Inches/Hg			
<b>PHYSC</b>						
Conductivity		407	umho/cm			
Depth to Water		70.39	ft			
Dissolved Oxygen		3.1	mg/L			
pH		6.2	Std Unit			
Redox		215	mV			
Temperature		58.8	deg F			
Turbidity		5.7	NTU			
<b>PCB</b>						
PCB, Total		0.00017	mg/L		0.0002	SW846-8082
PCB-1016		0.00017	mg/L		0.0002	SW846-8082
PCB-1221	U	0.00018	mg/L		0.0002	SW846-8082
PCB-1232	U	0.00014	mg/L		0.0001	SW846-8082
PCB-1242	U	0.0001	mg/L		0.0001	SW846-8082
PCB-1248	U	0.00012	mg/L		0.0001	SW846-8082
PCB-1254	U	0.00007	mg/L		7E-05	SW846-8082
PCB-1260	U	0.00005	mg/L		5E-05	SW846-8082
PCB-1268	U	0.00009	mg/L		9E-05	SW846-8082

# Paducah-OREIS Data Report

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12/18/2007

**MW369**

**19653**

**MW369PCB12-04**

Collected: 12/9/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METEO</b>						
Barometric Pressure Reading		29.83	Inches/Hg			
<b>PHYSC</b>						
Conductivity		418	umho/cm			
Depth to Water		40.84	ft			
Dissolved Oxygen		1.35	mg/L			
pH		6.3	Std Unit			
Redox		70	mV			
Temperature		59.5	deg F			
Turbidity		10.7	NTU			
<b>PCB</b>						
PCB, Total		0.00044	mg/L		0.0002	SW846-8082
PCB-1016		0.00044	mg/L		0.0002	SW846-8082
PCB-1221	U	0.00018	mg/L		0.0002	SW846-8082
PCB-1232	U	0.00014	mg/L		0.0001	SW846-8082
PCB-1242	U	0.0001	mg/L		0.0001	SW846-8082
PCB-1248	U	0.00012	mg/L		0.0001	SW846-8082
PCB-1254	U	0.00007	mg/L		7E-05	SW846-8082
PCB-1260	U	0.00005	mg/L		5E-05	SW846-8082
PCB-1268	U	0.00009	mg/L		9E-05	SW846-8082

# Paducah-OREIS Data Report

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12/18/2007

**MW220**  
**19654**  
**MW220SG1-05**

Collected: 10/11/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		39.6	mg/L		2	SW846-9056
Fluoride		0.22	mg/L		0.1	9214
Nitrate as Nitrogen		1.4	mg/L		1	SW846-9056
Sulfate		11	mg/L		5	SW846-9056
<b>METAL</b>						
Aluminum		0.323	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic		0.00165	mg/L		0.001	SW846-6020
Barium	B	0.212	mg/L		0.005	SW846-6020
Barium, Dissolved		0.219	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6010A
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium	B	22.2	mg/L		1	SW846-6010A
Chromium	U	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Cobalt	B	0.00174	mg/L		0.001	SW846-6020
Copper	UX	0.02	mg/L		0.02	SW846-6020
Iron		0.516	mg/L		0.1	SW846-6010A
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium	B	8.93	mg/L		0.02	SW846-6010A
Manganese		0.0635	mg/L		0.005	SW846-6020
Mercury	BUW	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	B	0.00242	mg/L		0.001	SW846-6020
Nickel	X	0.0332	mg/L		0.005	SW846-6020
Potassium	B	3.21	mg/L		0.2	SW846-6010A
Rhodium	BUX	0.005	mg/L		0.005	SW846-6020
Selenium		0.00602	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		35.1	mg/L		1	SW846-6010A
Tantalum	JUX	0.005	mg/L		0.005	SW846-6020
Thallium	BU	0.002	mg/L		0.002	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		30	Inches/Hg			
<b>PHYSC</b>						
Conductivity		367	umho/cm			
Depth to Water		57.24	ft			
Dissolved Oxygen		5.47	mg/L			
Dissolved Solids		205	mg/L		50	EPA-160.1
pH		6	Std Unit			
Redox		201	mV			
Suspended Solids	U	25	mg/L		25	EPA-160.2
Temperature		60.5	deg F			
Total Solids		205	mg/L		50	EPA-160.3

**MW220**

**19654**

Turbidity		9.2	NTU			
<b>RADS</b>						
Alpha activity	U	-0.148	pCi/L	0.08	7.02	SW846-9310
Beta activity		14.5	pCi/L	2.34	5.76	SW846-9310
Iodine-131	U	-3.83	pCi/L	7.67	30	RL-7124
Radium	U	0.17	pCi/L	0.1	0.6	RL-7113
Radium-224	U	0	pCi/L	0	0.93	RL-7129
Radium-226	U	0.069	pCi/L	0.22	0.66	RL-7129
Radium-228	U	2.61	pCi/L	3.92	27	RL-7129
Strontium-90	U	0.193	pCi/L	0.03	2.83	RL-7140
Technetium-99		17.9	pCi/L	12.2	17.1	RL-7100
Thorium-230	U	0.267	pCi/L	0.12	0.69	RL-7128
Tritium	U	63	pCi/L	165	273	704R6
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JU	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	JU	0.01	mg/L		0.01	SW846-8260
Acrolein	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	JU	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	JU	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	JU	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	JU	0.005	mg/L		0.005	SW846-8260

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## MW220

### 19654

Methylene chloride	U	0.005 mg/L	0.005	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	35 mg/L	35	EPA-410.4 1978
Cyanide	U	0.05 mg/L	0.05	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.04 mg/L	0.04	SW846-9020A

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**MW220**

**19654**

**MW220DSG1-05**

Collected: 10/11/2004

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		42.2	mg/L		2	SW846-9056
Fluoride		0.2	mg/L		0.1	9214
Nitrate as Nitrogen		1.5	mg/L		1	SW846-9056
Sulfate		9.1	mg/L		5	SW846-9056
<b>METAL</b>						
Aluminum		0.238	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic		0.00158	mg/L		0.001	SW846-6020
Barium	B	0.21	mg/L		0.005	SW846-6020
Barium, Dissolved		0.214	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6010A
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium	B	21.6	mg/L		1	SW846-6010A
Chromium	U	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Cobalt	B	0.00166	mg/L		0.001	SW846-6020
Copper	UX	0.02	mg/L		0.02	SW846-6020
Iron		0.46	mg/L		0.1	SW846-6010A
Lead		0.00577	mg/L		0.005	SW846-6020
Magnesium	B	8.77	mg/L		0.02	SW846-6010A
Manganese		0.0599	mg/L		0.005	SW846-6020
Mercury	BUW	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	B	0.0022	mg/L		0.001	SW846-6020
Nickel	X	0.0363	mg/L		0.005	SW846-6020
Potassium	B	3.33	mg/L		0.2	SW846-6010A
Rhodium	BUX	0.005	mg/L		0.005	SW846-6020
Selenium		0.00613	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		33.3	mg/L		1	SW846-6010A
Tantalum	JUX	0.005	mg/L		0.005	SW846-6020
Thallium	BU	0.002	mg/L		0.002	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		30	Inches/Hg			
<b>PHYSC</b>						
Conductivity		367	umho/cm			
Depth to Water		57.24	ft			
Dissolved Oxygen		5.47	mg/L			
Dissolved Solids		199	mg/L		50	EPA-160.1
pH		6	Std Unit			
Redox		201	mV			
Suspended Solids	U	25	mg/L		25	EPA-160.2
Temperature		60.5	deg F			
Total Solids		191	mg/L		50	EPA-160.3

**MW220****19654**

Turbidity		9.2	NTU			
<b>RADS</b>						
Alpha activity	U	2.03	pCi/L	0.92	6.84	SW846-9310
Beta activity		16.3	pCi/L	2.54	5.73	SW846-9310
Iodine-131	U	-12.2	pCi/L	24.4	30	RL-7124
Radium	U	0.176	pCi/L	0.1	0.6	RL-7113
Radium-224	U	0	pCi/L	0	0.99	RL-7129
Radium-226	U	0.211	pCi/L	0.39	0.84	RL-7129
Radium-228	U	12.4	pCi/L	12.9	31.8	RL-7129
Strontium-90	U	-0.942	pCi/L	0.16	2.69	RL-7140
Technetium-99		19.3	pCi/L	12.2	17.1	RL-7100
Thorium-230	U	0.134	pCi/L	0.09	0.68	RL-7128
Tritium	U	14.7	pCi/L	164	273	704R6
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JU	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	JU	0.01	mg/L		0.01	SW846-8260
Acrolein	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	JU	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	JU	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	JU	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	JU	0.005	mg/L		0.005	SW846-8260



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## MW220

### 19654

Methylene chloride	U	0.005 mg/L	0.005	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	35 mg/L	35	EPA-410.4 1978
Cyanide	U	0.05 mg/L	0.05	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.04 mg/L	0.04	SW846-9020A

# Paducah-OREIS Data Report

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**MW221**

**19654**

**MW221SG1-05**

Collected: 10/13/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		42.5	mg/L		2	SW846-9056
Fluoride		0.21	mg/L		0.1	9214
Nitrate as Nitrogen		1.6	mg/L		1	SW846-9056
Sulfate		11.4	mg/L		5	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic		0.00111	mg/L		0.001	SW846-6020
Barium		0.242	mg/L		0.005	SW846-6020
Barium, Dissolved	B	0.251	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	BU	0.2	mg/L		0.2	SW846-6010A
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		22.2	mg/L		1	SW846-6010A
Chromium	U	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Cobalt	B	0.0036	mg/L		0.001	SW846-6020
Copper	BNUX	0.02	mg/L		0.02	SW846-6020
Iron	BU	0.1	mg/L		0.1	SW846-6010A
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		9.57	mg/L		0.02	SW846-6010A
Manganese		0.0611	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum		0.00532	mg/L		0.001	SW846-6020
Nickel	B	0.00641	mg/L		0.005	SW846-6020
Potassium		1.99	mg/L		0.2	SW846-6010A
Rhodium	BUX	0.005	mg/L		0.005	SW846-6020
Selenium		0.00557	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		47.7	mg/L		1	SW846-6010A
Tantalum	BUX	0.005	mg/L		0.005	SW846-6020
Thallium	BU	0.002	mg/L		0.002	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	*NUX	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.65	Inches/Hg			
<b>PHYSC</b>						
Conductivity		429	umho/cm			
Depth to Water		66.68	ft			
Dissolved Oxygen		4.52	mg/L			
Dissolved Solids		229	mg/L		50	EPA-160.1
pH		6.13	Std Unit			
Redox		472	mV			
Suspended Solids	U	25	mg/L		25	EPA-160.2
Temperature		59.6	deg F			
Total Solids		226	mg/L		50	EPA-160.3

**MW221**

**19654**

Turbidity		4.1	NTU			
<b>RADS</b>						
Alpha activity	U	-1.22	pCi/L	0.81	7.97	SW846-9310
Beta activity		7.37	pCi/L	1.45	5.94	SW846-9310
Radium	U	-0.0023	pCi/L	0.0023	0.58	RL-7113
Radium-224	U	0	pCi/L	0	0.97	RL-7129
Radium-226	U	-0.0467	pCi/L	0.38	0.97	RL-7129
Radium-228	U	-5.45	pCi/L	5.41	29.5	RL-7129
Strontium-90	U	-0.888	pCi/L	0.15	2.85	RL-7140
Technetium-99	U	5.36	pCi/L	12.3	18	RL-7100
Thorium-230	U	0.0888	pCi/L	0.08	0.68	RL-7128
Tritium	U	88.1	pCi/L	165	273	704R6
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JU	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	JU	0.01	mg/L		0.01	SW846-8260
Acetone	U	0.01	mg/L		0.01	SW846-8260
Acrolein	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	JU	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260

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## MW221

### 19654

Styrene	U	0.005	mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L	0.005	SW846-8260
Toluene	U	0.005	mg/L	0.005	SW846-8260
Total Xylene	U	0.015	mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L	0.005	SW846-8260
Trichloroethene	U	0.001	mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01	mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002	mg/L	0.002	SW846-8260
<b>WETCHEM</b>					
Chemical Oxygen Demand (COD)	U	35	mg/L	35	EPA-410.4 1978
Cyanide	U	0.05	mg/L	0.05	SW846-9010-A
Iodide	U	2	mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1	mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.04	mg/L	0.04	SW846-9020A

### MW221SG1-05R

Collected: 11/17/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METEO</b>						
Barometric Pressure Reading		30.36	Inches/Hg			
<b>PHYSC</b>						
Conductivity		409	umho/cm			
Depth to Water		67.9	ft			
Dissolved Oxygen		4.36	mg/L			
pH		6.27	Std Unit			
Redox		176	mV			
Temperature		60.1	deg F			
Turbidity		2.8	NTU			
<b>RADS</b>						
Iodine-131	U	-8.03	pCi/L	16.1	10.6	RL-7124

# Paducah-OREIS Data Report

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**MW222**  
**19654**  
**MW222SG1-05**

Collected: 10/13/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		33.2	mg/L		2	SW846-9056
Fluoride		0.4	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		9	mg/L		5	SW846-9056
<b>METAL</b>						
Aluminum		0.299	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic	U	0.01	mg/L		0.01	SW846-6020
Barium		1.35	mg/L		0.05	SW846-6020
Barium, Dissolved		1.4	mg/L		0.05	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	BU	0.2	mg/L		0.2	SW846-6010A
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		24	mg/L		1	SW846-6010A
Chromium	U	0.2	mg/L		0.2	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Cobalt	B	0.132	mg/L		0.01	SW846-6020
Copper	BNUX	0.2	mg/L		0.2	SW846-6020
Iron		1.09	mg/L		0.1	SW846-6010A
Lead		0.00723	mg/L		0.005	SW846-6020
Magnesium		10.5	mg/L		0.02	SW846-6010A
Manganese		14.3	mg/L		0.5	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	B	0.00128	mg/L		0.001	SW846-6020
Nickel		0.0601	mg/L		0.05	SW846-6020
Potassium		0.646	mg/L		0.2	SW846-6010A
Rhodium	BUX	0.005	mg/L		0.005	SW846-6020
Selenium	U	0.005	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		53.3	mg/L		1	SW846-6010A
Tantalum	BUX	0.005	mg/L		0.005	SW846-6020
Thallium	BU	0.002	mg/L		0.002	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.2	mg/L		0.2	SW846-6020
Zinc	NUX	0.2	mg/L		0.2	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.68	Inches/Hg			
<b>PHYSC</b>						
Conductivity		478	umho/cm			
Depth to Water		70.63	ft			
Dissolved Oxygen		1.82	mg/L			
Dissolved Solids		272	mg/L		50	EPA-160.1
pH		6.8	Std Unit			
Redox		147	mV			
Suspended Solids	U	25	mg/L		25	EPA-160.2
Temperature		60.4	deg F			
Total Solids		282	mg/L		50	EPA-160.3

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## MW222

### 19654

Turbidity		13.3	NTU			
<b>RADS</b>						
Alpha activity	U	4.84	pCi/L	2.06	8.03	SW846-9310
Beta activity		6.6	pCi/L	1.33	5.95	SW846-9310
Iodine-131	UX	-15.1	pCi/L	30.2	30	RL-7124
Radium	U	-0.0561	pCi/L	0.05	0.58	RL-7113
Radium-224	U	0.116	pCi/L	0.23	1.02	RL-7129
Radium-226	U	0.891	pCi/L	0.73	0.91	RL-7129
Radium-228	U	-1.17	pCi/L	1.15	31.6	RL-7129
Strontium-90	U	-1.01	pCi/L	0.18	2.87	RL-7140
Technetium-99	U	10.5	pCi/L	12.5	18	RL-7100
Thorium-230	U	0.497	pCi/L	0.14	0.71	RL-7128
Tritium	U	-83.9	pCi/L	162	273	704R6
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JU	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	JU	0.01	mg/L		0.01	SW846-8260
Acetone	U	0.01	mg/L		0.01	SW846-8260
Acrolein	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	JU	0.005	mg/L		0.005	SW846-8260

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## MW222

### 19654

Methylene chloride	U	0.005 mg/L	0.005	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	UX	35 mg/L	35	EPA-410.4 1978
Cyanide	U	0.05 mg/L	0.05	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		1.3 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.04 mg/L	0.04	SW846-9020A

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# Paducah-OREIS Data Report

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**MW223**  
**19654**  
**MW223SG1-05**

Collected: 10/13/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		37.1	mg/L		2	SW846-9056
Fluoride		0.33	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		10.1	mg/L		5	SW846-9056
<b>METAL</b>						
Aluminum		0.354	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic		0.00197	mg/L		0.001	SW846-6020
Barium		0.669	mg/L		0.005	SW846-6020
Barium, Dissolved	B	0.646	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	BU	0.2	mg/L		0.2	SW846-6010A
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		18.7	mg/L		1	SW846-6010A
Chromium	U	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Cobalt	B	0.0204	mg/L		0.001	SW846-6020
Copper	BNUX	0.02	mg/L		0.02	SW846-6020
Iron		0.598	mg/L		0.1	SW846-6010A
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		7.84	mg/L		0.02	SW846-6010A
Manganese		6.52	mg/L		0.05	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum		0.0231	mg/L		0.001	SW846-6020
Nickel		0.138	mg/L		0.005	SW846-6020
Potassium		5.8	mg/L		0.2	SW846-6010A
Rhodium	BUX	0.005	mg/L		0.005	SW846-6020
Selenium	U	0.005	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		40.5	mg/L		1	SW846-6010A
Tantalum	BUX	0.005	mg/L		0.005	SW846-6020
Thallium	BU	0.002	mg/L		0.002	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	*NX	0.026	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.65	Inches/Hg			
<b>PHYSC</b>						
Conductivity		425	umho/cm			
Depth to Water		69.88	ft			
Dissolved Oxygen		1.91	mg/L			
Dissolved Solids		237	mg/L		50	EPA-160.1
pH		6.36	Std Unit			
Redox		362	mV			
Suspended Solids	U	25	mg/L		25	EPA-160.2
Temperature		60.9	deg F			
Total Solids		232	mg/L		50	EPA-160.3



**MW223**

**19654**

Turbidity		8.7	NTU			
<b>RADS</b>						
Alpha activity	U	-2.25	pCi/L	1.59	7.67	SW846-9310
Beta activity		13.7	pCi/L	2.27	5.89	SW846-9310
Radium	U	-0.018	pCi/L	0.01	0.58	RL-7113
Radium-224	U	0.125	pCi/L	0.25	0.99	RL-7129
Radium-226	U	0.181	pCi/L	0.45	0.89	RL-7129
Radium-228	U	-20.4	pCi/L	19.1	27	RL-7129
Strontium-90	U	-0.589	pCi/L	0.1	2.71	RL-7140
Technetium-99	U	0.346	pCi/L	12.9	18	RL-7100
Thorium-230	U	0.377	pCi/L	0.11	0.68	RL-7128
Tritium	U	-4.2	pCi/L	164	273	704R6
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JU	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	JU	0.01	mg/L		0.01	SW846-8260
Acetone	U	0.01	mg/L		0.01	SW846-8260
Acrolein	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	JU	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260

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## MW223

### 19654

Styrene	U	0.005	mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L	0.005	SW846-8260
Toluene	U	0.005	mg/L	0.005	SW846-8260
Total Xylene	U	0.015	mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L	0.005	SW846-8260
Trichloroethene	U	0.001	mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01	mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002	mg/L	0.002	SW846-8260
<b>WETCHEM</b>					
Chemical Oxygen Demand (COD)	U	35	mg/L	35	EPA-410.4 1978
Cyanide	JU	0.05	mg/L	0.05	SW846-9010-A
Iodide	U	2	mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1	mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.04	mg/L	0.04	SW846-9020A

### MW223SG1-05R

Collected: 11/17/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METEO</b>						
Barometric Pressure Reading		30.36	Inches/Hg			
<b>PHYSC</b>						
Conductivity		399	umho/cm			
Depth to Water		71.08	ft			
Dissolved Oxygen		1.91	mg/L			
pH		6.42	Std Unit			
Redox		174	mV			
Temperature		60.7	deg F			
Turbidity		6.4	NTU			
<b>RADS</b>						
Iodine-131	U	0.32	pCi/L	0.64	14.9	RL-7124

# Paducah-OREIS Data Report

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## MW224 19654 MW224SG1-05

Collected: 10/13/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		23.8	mg/L		2	SW846-9056
Fluoride		0.34	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		13.1	mg/L		5	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic		0.00135	mg/L		0.001	SW846-6020
Barium		0.532	mg/L		0.005	SW846-6020
Barium, Dissolved	B	0.534	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	BU	0.2	mg/L		0.2	SW846-6010A
Cadmium		0.00111	mg/L		0.001	SW846-6020
Calcium		31.5	mg/L		1	SW846-6010A
Chromium	U	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Cobalt	B	0.0483	mg/L		0.001	SW846-6020
Copper	BNUX	0.02	mg/L		0.02	SW846-6020
Iron	B	0.104	mg/L		0.1	SW846-6010A
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		13.3	mg/L		0.02	SW846-6010A
Manganese		3.69	mg/L		0.05	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel		0.0214	mg/L		0.005	SW846-6020
Potassium		0.925	mg/L		0.2	SW846-6010A
Rhodium	BUX	0.005	mg/L		0.005	SW846-6020
Selenium	U	0.005	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		75.6	mg/L		1	SW846-6010A
Tantalum	BUX	0.005	mg/L		0.005	SW846-6020
Thallium	BU	0.002	mg/L		0.002	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	*NUX	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.68	Inches/Hg			
<b>PHYSC</b>						
Conductivity		557	umho/cm			
Depth to Water		71.18	ft			
Dissolved Oxygen		1.51	mg/L			
Dissolved Solids		304	mg/L		50	EPA-160.1
pH		6.3	Std Unit			
Redox		192	mV			
Suspended Solids	U	25	mg/L		25	EPA-160.2
Temperature		60.4	deg F			
Total Solids		307	mg/L		50	EPA-160.3

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## MW224

### 19654

Turbidity		2.4	NTU			
<b>RADS</b>						
Alpha activity	U	3.65	pCi/L	1.95	7.51	SW846-9310
Beta activity	U	5.16	pCi/L	1.13	5.86	SW846-9310
Radium	U	-0.308	pCi/L	0.3	0.58	RL-7113
Radium-224	U	0.141	pCi/L	0.27	0.86	RL-7129
Radium-226	U	0.275	pCi/L	0.47	1.04	RL-7129
Radium-228	U	7.1	pCi/L	9.19	39.7	RL-7129
Strontium-90	U	0.0598	pCi/L	0.01	2.5	RL-7140
Technetium-99	U	3.69	pCi/L	12.3	18	RL-7100
Thorium-230	U	0.199	pCi/L	0.1	0.76	RL-7128
Tritium	U	-10.5	pCi/L	163	273	704R6
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JU	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	JU	0.01	mg/L		0.01	SW846-8260
Acetone	U	0.01	mg/L		0.01	SW846-8260
Acrolein	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	JU	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260

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**MW224**

**19654**

Styrene	U	0.005	mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L	0.005	SW846-8260
Toluene	U	0.005	mg/L	0.005	SW846-8260
Total Xylene	U	0.015	mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L	0.005	SW846-8260
Trichloroethene	U	0.001	mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01	mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002	mg/L	0.002	SW846-8260
<b>WETCHEM</b>					
Chemical Oxygen Demand (COD)	UX	35	mg/L	35	EPA-410.4 1978
Cyanide	JU	0.05	mg/L	0.05	SW846-9010-A
Iodide	U	2	mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		1.2	mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.04	mg/L	0.04	SW846-9020A

**MW224SG1-05R**

Collected: 11/17/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METEO</b>						
Barometric Pressure Reading		30.36	Inches/Hg			
<b>PHYSC</b>						
Conductivity		522	umho/cm			
Depth to Water		72.35	ft			
Dissolved Oxygen		1.21	mg/L			
pH		6.33	Std Unit			
Redox		171	mV			
Temperature		61.3	deg F			
Turbidity		1.9	NTU			
<b>RADS</b>						
Iodine-131	U	2.29	pCi/L	4.59	20.4	RL-7124

# Paducah-OREIS Data Report

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**MW384**  
**19654**  
**MW384SG1-05**

Collected: 10/12/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		65.3	mg/L		10	SW846-9056
Fluoride		0.3	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		28.2	mg/L		5	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic		0.0109	mg/L		0.001	SW846-6020
Barium	B	0.257	mg/L		0.005	SW846-6020
Barium, Dissolved		0.256	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6010A
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium	B	37.1	mg/L		1	SW846-6010A
Chromium	U	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Cobalt	BU	0.001	mg/L		0.001	SW846-6020
Copper	UX	0.02	mg/L		0.02	SW846-6020
Iron		8.74	mg/L		0.1	SW846-6010A
Lead		0.00524	mg/L		0.005	SW846-6020
Magnesium	B	13.8	mg/L		0.02	SW846-6010A
Manganese		0.746	mg/L		0.005	SW846-6020
Mercury	BUW	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	BUX	0.005	mg/L		0.005	SW846-6020
Potassium	B	1.44	mg/L		0.2	SW846-6010A
Rhodium	BUX	0.005	mg/L		0.005	SW846-6020
Selenium		0.0062	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		78.2	mg/L		1	SW846-6010A
Tantalum	JUX	0.005	mg/L		0.005	SW846-6020
Thallium	BU	0.002	mg/L		0.002	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.8	Inches/Hg			
<b>PHYSC</b>						
Conductivity		725	umho/cm			
Depth to Water		41.01	ft			
Dissolved Oxygen		1.1	mg/L			
Dissolved Solids		375	mg/L		50	EPA-160.1
pH		6.5	Std Unit			
Redox		41	mV			
Suspended Solids	U	25	mg/L		25	EPA-160.2
Temperature		61.4	deg F			
Total Solids		383	mg/L		50	EPA-160.3

**MW384**

**19654**

Turbidity		6	NTU			
<b>RADS</b>						
Alpha activity	U	-3.52	pCi/L	1.88	11.9	SW846-9310
Beta activity		45.1	pCi/L	5.08	6.63	SW846-9310
Radium	U	-0.0939	pCi/L	0.09	0.6	RL-7113
Radium-224	U	0	pCi/L	0	1.86	RL-7129
Radium-226	U	0.612	pCi/L	0.58	0.74	RL-7129
Radium-228	U	-14.9	pCi/L	19.2	29.5	RL-7129
Strontium-90	U	0.296	pCi/L	0.04	2.63	RL-7140
Technetium-99		62.7	pCi/L	14.2	18	RL-7100
Thorium-230	U	0.431	pCi/L	0.15	0.69	RL-7128
Tritium	U	21	pCi/L	164	273	704R6
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JU	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L		0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	JU	0.01	mg/L		0.01	SW846-8260
Acetone	U	0.01	mg/L		0.01	SW846-8260
Acrolein	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	JU	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260

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## MW384

### 19654

Styrene	U	0.005	mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L	0.005	SW846-8260
Toluene	U	0.005	mg/L	0.005	SW846-8260
Total Xylene	U	0.015	mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L	0.005	SW846-8260
Trichloroethene		0.0014	mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01	mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002	mg/L	0.002	SW846-8260
<b>WETCHEM</b>					
Chemical Oxygen Demand (COD)	U	35	mg/L	35	EPA-410.4 1978
Cyanide	U	0.05	mg/L	0.05	SW846-9010-A
Iodide	U	2	mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		4.9	mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.0743	mg/L	0.04	SW846-9020A

### MW384SG1-05R

Collected: 11/17/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METEO</b>						
Barometric Pressure Reading		30.36	Inches/Hg			
<b>PHYSC</b>						
Conductivity		736	umho/cm			
Depth to Water		42.11	ft			
Dissolved Oxygen		0.84	mg/L			
pH		6.46	Std Unit			
Redox		56	mV			
Temperature		59.9	deg F			
Turbidity		9.3	NTU			
<b>RADS</b>						
Iodine-131	U	-2.78	pCi/L	5.55	12.6	RL-7124



# Paducah-OREIS Data Report

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**MW385**  
**19654**  
**MW385SG1-05**

Collected: 10/11/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		31	mg/L		2	SW846-9056
Fluoride		0.23	mg/L		0.1	9214
Nitrate as Nitrogen		1.6	mg/L		1	SW846-9056
Sulfate		14.5	mg/L		5	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic		0.00173	mg/L		0.001	SW846-6020
Barium	B	0.152	mg/L		0.005	SW846-6020
Barium, Dissolved		0.162	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6010A
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium	B	36.3	mg/L		1	SW846-6010A
Chromium	U	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Cobalt	BU	0.001	mg/L		0.001	SW846-6020
Copper	UX	0.02	mg/L		0.02	SW846-6020
Iron		0.104	mg/L		0.1	SW846-6010A
Lead		0.00917	mg/L		0.005	SW846-6020
Magnesium	B	10.7	mg/L		0.02	SW846-6010A
Manganese		0.0194	mg/L		0.005	SW846-6020
Mercury	BUW	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	B	0.00136	mg/L		0.001	SW846-6020
Nickel	BUX	0.005	mg/L		0.005	SW846-6020
Potassium	B	1.91	mg/L		0.2	SW846-6010A
Rhodium	BUX	0.005	mg/L		0.005	SW846-6020
Selenium		0.00559	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		34.2	mg/L		1	SW846-6010A
Tantalum	JUX	0.005	mg/L		0.005	SW846-6020
Thallium	BU	0.002	mg/L		0.002	SW846-6020
Uranium		0.00109	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		30	Inches/Hg			
<b>PHYSC</b>						
Conductivity		499	umho/cm			
Depth to Water		21.45	ft			
Dissolved Oxygen		1.49	mg/L			
Dissolved Solids		221	mg/L		50	EPA-160.1
pH		7.2	Std Unit			
Redox		128	mV			
Suspended Solids	U	25	mg/L		25	EPA-160.2
Temperature		60.4	deg F			
Total Solids		219	mg/L		50	EPA-160.3

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## MW385

### 19654

Turbidity		5	NTU			
<b>RADS</b>						
Alpha activity	U	2.08	pCi/L	0.77	7.37	SW846-9310
Beta activity		61.1	pCi/L	5.74	5.83	SW846-9310
Iodine-131	UX	5.05	pCi/L	10.1	30	RL-7124
Radium	U	0.0837	pCi/L	0.1	0.6	RL-7113
Radium-224	U	-0.0464	pCi/L	0.09	1.26	RL-7129
Radium-226	U	0.047	pCi/L	0.3	0.79	RL-7129
Radium-228	U	10	pCi/L	12.1	37.3	RL-7129
Strontium-90	U	0	pCi/L	0	2.67	RL-7140
Technetium-99		118	pCi/L	15.4	17.1	RL-7100
Thorium-230	U	0.402	pCi/L	0.13	0.69	RL-7128
Tritium	U	-2.1	pCi/L	164	273	704R6
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JU	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	JU	0.01	mg/L		0.01	SW846-8260
Acrolein	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	JU	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	JU	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	JU	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	JU	0.005	mg/L		0.005	SW846-8260

# Paducah-OREIS Data Report

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## MW385

### 19654

Methylene chloride	U	0.005 mg/L	0.005	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	35 mg/L	35	EPA-410.4 1978
Cyanide	U	0.05 mg/L	0.05	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		1.4 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.04 mg/L	0.04	SW846-9020A

# Paducah-OREIS Data Report

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**MW386**  
**19654**  
**MW386SG1-05**

Collected: 10/11/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		32.1	mg/L		2	SW846-9056
Fluoride		0.39	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		16.3	mg/L		5	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic		0.00215	mg/L		0.001	SW846-6020
Barium	B	0.095	mg/L		0.005	SW846-6020
Barium, Dissolved		0.0985	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6010A
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium	B	22.5	mg/L		1	SW846-6010A
Chromium	U	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Cobalt	B	0.00643	mg/L		0.001	SW846-6020
Copper	UX	0.02	mg/L		0.02	SW846-6020
Iron		8.49	mg/L		0.1	SW846-6010A
Lead		0.00522	mg/L		0.005	SW846-6020
Magnesium	B	9.51	mg/L		0.02	SW846-6010A
Manganese		0.483	mg/L		0.005	SW846-6020
Mercury	BUW	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	B	0.00115	mg/L		0.001	SW846-6020
Nickel	BUX	0.005	mg/L		0.005	SW846-6020
Potassium	B	0.594	mg/L		0.2	SW846-6010A
Rhodium	BUX	0.005	mg/L		0.005	SW846-6020
Selenium	U	0.005	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		89.8	mg/L		1	SW846-6010A
Tantalum	JUX	0.005	mg/L		0.005	SW846-6020
Thallium	BU	0.002	mg/L		0.002	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		30	Inches/Hg			
<b>PHYSC</b>						
Conductivity		663	umho/cm			
Depth to Water		21.89	ft			
Dissolved Oxygen		1.87	mg/L			
Dissolved Solids		390	mg/L		50	EPA-160.1
pH		6.4	Std Unit			
Redox		21	mV			
Suspended Solids	U	25	mg/L		25	EPA-160.2
Temperature		61.8	deg F			
Total Solids		401	mg/L		50	EPA-160.3

**MW386**

**19654**

Turbidity		3.8	NTU			
<b>RADS</b>						
Alpha activity	U	1.38	pCi/L	0.76	12	SW846-9310
Beta activity	U	4.9	pCi/L	1.06	6.64	SW846-9310
Iodine-131	UX	-13.3	pCi/L	26.7	30	RL-7124
Radium	U	-0.0679	pCi/L	0.06	0.6	RL-7113
Radium-224	U	0.00464	pCi/L	0.18	1.68	RL-7129
Radium-226	U	0.225	pCi/L	0.39	0.73	RL-7129
Radium-228	U	-0.766	pCi/L	1.15	31.6	RL-7129
Strontium-90	U	-0.753	pCi/L	0.13	2.71	RL-7140
Technetium-99	U	3.17	pCi/L	12.3	18	RL-7100
Thorium-230	U	0.143	pCi/L	0.1	0.69	RL-7128
Tritium	U	35.7	pCi/L	164	273	704R6
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JU	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	JU	0.01	mg/L		0.01	SW846-8260
Acrolein	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	JU	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	JU	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	JU	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	JU	0.005	mg/L		0.005	SW846-8260

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## MW386

### 19654

Methylene chloride	U	0.005 mg/L	0.005	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)		39 mg/L	35	EPA-410.4 1978
Cyanide	U	0.05 mg/L	0.05	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		15.8 mg/L	10	SW846-9060
Total Organic Halides (TOX)		0.191 mg/L	0.04	SW846-9020A

# Paducah-OREIS Data Report

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12/18/2007

**MW387**  
**19654**  
**MW387SG1-05**

Collected: 10/11/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		42.9	mg/L		2	SW846-9056
Fluoride		1.1	mg/L		0.1	9214
Nitrate as Nitrogen		1.7	mg/L		1	SW846-9056
Sulfate		21.4	mg/L		5	SW846-9056
<b>METAL</b>						
Aluminum		0.279	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic		0.00254	mg/L		0.001	SW846-6020
Barium	B	0.16	mg/L		0.005	SW846-6020
Barium, Dissolved		0.16	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6010A
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium	B	29.9	mg/L		1	SW846-6010A
Chromium	U	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Cobalt	BU	0.001	mg/L		0.001	SW846-6020
Copper	UX	0.02	mg/L		0.02	SW846-6020
Iron		0.582	mg/L		0.1	SW846-6010A
Lead		0.00512	mg/L		0.005	SW846-6020
Magnesium	B	12.4	mg/L		0.02	SW846-6010A
Manganese		0.00798	mg/L		0.005	SW846-6020
Mercury	BUW	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	BUX	0.005	mg/L		0.005	SW846-6020
Potassium	B	1.89	mg/L		0.2	SW846-6010A
Rhodium	BUX	0.005	mg/L		0.005	SW846-6020
Selenium		0.00861	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		42.7	mg/L		1	SW846-6010A
Tantalum	JUX	0.005	mg/L		0.005	SW846-6020
Thallium	BU	0.002	mg/L		0.002	SW846-6020
Uranium		0.00241	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		30	Inches/Hg			
<b>PHYSC</b>						
Conductivity		485	umho/cm			
Depth to Water		39.34	ft			
Dissolved Oxygen		5.3	mg/L			
Dissolved Solids		261	mg/L		50	EPA-160.1
pH		6.1	Std Unit			
Redox		183	mV			
Suspended Solids	U	25	mg/L		25	EPA-160.2
Temperature		61.5	deg F			
Total Solids		268	mg/L		50	EPA-160.3

**MW387****19654**

Turbidity		17.3	NTU			
<b>RADS</b>						
Alpha activity	U	-1.11	pCi/L	0.45	8	SW846-9310
Beta activity		72.7	pCi/L	6.37	5.95	SW846-9310
Radium	U	0.191	pCi/L	0.1	0.6	RL-7113
Radium-224	U	0.11	pCi/L	0.22	1.1	RL-7129
Radium-226	U	-0.397	pCi/L	0.37	0.97	RL-7129
Radium-228	U	-9.24	pCi/L	9.91	27	RL-7129
Strontium-90	U	0.218	pCi/L	0.03	2.81	RL-7140
Technetium-99		84.6	pCi/L	14.4	17.1	RL-7100
Thorium-230	U	0.376	pCi/L	0.15	0.69	RL-7128
Tritium	U	-67.2	pCi/L	169	284	704R6
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JU	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	JU	0.01	mg/L		0.01	SW846-8260
Acrolein	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	JU	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	JU	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	JU	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	JU	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260



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## MW387

### 19654

Styrene	U	0.005	mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L	0.005	SW846-8260
Toluene	U	0.005	mg/L	0.005	SW846-8260
Total Xylene	U	0.015	mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L	0.005	SW846-8260
Trichloroethene		0.001	mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01	mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002	mg/L	0.002	SW846-8260
<b>WETCHEM</b>					
Chemical Oxygen Demand (COD)	U	35	mg/L	35	EPA-410.4 1978
Cyanide	U	0.05	mg/L	0.05	SW846-9010-A
Iodide	U	2	mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1	mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.04	mg/L	0.04	SW846-9020A

### MW387SG1-05R

Collected: 11/17/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METEO</b>						
Barometric Pressure Reading		30.36	Inches/Hg			
<b>PHYSC</b>						
Conductivity		470	umho/cm			
Depth to Water		40.34	ft			
Dissolved Oxygen		4.9	mg/L			
pH		6.12	Std Unit			
Redox		286	mV			
Temperature		60.1	deg F			
Turbidity		5.1	NTU			
<b>RADS</b>						
Iodine-131	U	0.993	pCi/L	1.99	17.1	RL-7124

# Paducah-OREIS Data Report

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**MW388**  
**19654**  
**MW388SG1-05**

Collected: 10/11/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		39.5	mg/L		2	SW846-9056
Fluoride		0.21	mg/L		0.1	9214
Nitrate as Nitrogen		1.8	mg/L		1	SW846-9056
Sulfate		14.1	mg/L		5	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic		0.00186	mg/L		0.001	SW846-6020
Barium	B	0.178	mg/L		0.005	SW846-6020
Barium, Dissolved		0.184	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6010A
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium	B	24.4	mg/L		1	SW846-6010A
Chromium	U	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Cobalt	BU	0.001	mg/L		0.001	SW846-6020
Copper	UX	0.02	mg/L		0.02	SW846-6020
Iron	U	0.1	mg/L		0.1	SW846-6010A
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium	B	10.4	mg/L		0.02	SW846-6010A
Manganese	U	0.005	mg/L		0.005	SW846-6020
Mercury	BUW	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	BUX	0.005	mg/L		0.005	SW846-6020
Potassium	B	1.89	mg/L		0.2	SW846-6010A
Rhodium	BUX	0.005	mg/L		0.005	SW846-6020
Selenium		0.00942	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		39.8	mg/L		1	SW846-6010A
Tantalum	JUX	0.005	mg/L		0.005	SW846-6020
Thallium	BU	0.002	mg/L		0.002	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		30	Inches/Hg			
<b>PHYSC</b>						
Conductivity		407	umho/cm			
Depth to Water		39.38	ft			
Dissolved Oxygen		5.34	mg/L			
Dissolved Solids		220	mg/L		50	EPA-160.1
pH		6.1	Std Unit			
Redox		183	mV			
Suspended Solids	U	25	mg/L		25	EPA-160.2
Temperature		61	deg F			
Total Solids		215	mg/L		50	EPA-160.3

**MW388**

**19654**

Turbidity		6	NTU			
<b>RADS</b>						
Alpha activity	U	-1.4	pCi/L	0.88	7.2	SW846-9310
Beta activity		14.7	pCi/L	2.38	5.8	SW846-9310
Iodine-131	U	-5.91	pCi/L	11.8	30	RL-7124
Radium	U	0.131	pCi/L	0.1	0.6	RL-7113
Radium-224	U	0.16	pCi/L	0.38	0.97	RL-7129
Radium-226	U	0.0204	pCi/L	0.51	0.92	RL-7129
Radium-228	U	3.01	pCi/L	3.46	31.6	RL-7129
Strontium-90	U	0.587	pCi/L	0.08	2.63	RL-7140
Technetium-99		17.8	pCi/L	12.2	17.1	RL-7100
Thorium-230	U	0.556	pCi/L	0.15	0.69	RL-7128
Tritium	U	-124	pCi/L	167	284	704R6
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JU	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	JU	0.01	mg/L		0.01	SW846-8260
Acrolein	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	JU	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	JU	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	JU	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	JU	0.005	mg/L		0.005	SW846-8260

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## MW388

### 19654

Methylene chloride	U	0.005 mg/L	0.005	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	35 mg/L	35	EPA-410.4 1978
Cyanide	U	0.05 mg/L	0.05	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.04 mg/L	0.04	SW846-9020A

# Paducah-OREIS Data Report

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**MW390**  
**19654**  
**MW390SG1-05**

Collected: 10/11/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide		2.5	mg/L		1	SW846-9056
Chloride		281	mg/L		20	SW846-9056
Fluoride		0.22	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		6.2	mg/L		5	SW846-9056
<b>METAL</b>						
Aluminum		4.49	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic		0.00653	mg/L		0.001	SW846-6020
Barium	B	0.565	mg/L		0.005	SW846-6020
Barium, Dissolved		0.548	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6010A
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium	B	75.2	mg/L		1	SW846-6010A
Chromium	U	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Cobalt	B	0.00185	mg/L		0.001	SW846-6020
Copper	UX	0.02	mg/L		0.02	SW846-6020
Iron		2.6	mg/L		0.1	SW846-6010A
Lead		0.00979	mg/L		0.005	SW846-6020
Magnesium	B	29.7	mg/L		0.02	SW846-6010A
Manganese		0.0131	mg/L		0.005	SW846-6020
Mercury	BUW	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	B	0.00393	mg/L		0.001	SW846-6020
Nickel	BX	0.0126	mg/L		0.005	SW846-6020
Potassium	B	1.22	mg/L		0.2	SW846-6010A
Rhodium	BUX	0.005	mg/L		0.005	SW846-6020
Selenium		0.0276	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		115	mg/L		1	SW846-6010A
Tantalum	JUX	0.005	mg/L		0.005	SW846-6020
Thallium	BU	0.002	mg/L		0.002	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		30	Inches/Hg			
<b>PHYSC</b>						
Conductivity		1327	umho/cm			
Depth to Water		36.57	ft			
Dissolved Oxygen		2.45	mg/L			
Dissolved Solids		701	mg/L		50	EPA-160.1
pH		6.1	Std Unit			
Redox		207	mV			
Suspended Solids		40	mg/L		25	EPA-160.2
Temperature		60.7	deg F			
Total Solids		768	mg/L		50	EPA-160.3

**MW390**

**19654**

Turbidity		81	NTU			
<b>RADS</b>						
Alpha activity	U	-2.2	pCi/L	1.13	19.6	SW846-9310
Beta activity		64.8	pCi/L	8.15	12.5	SW846-9310
Iodine-131	U	-18.1	pCi/L	36.1	30	RL-7124
Radium	U	-1.01	pCi/L	1.01	0.6	RL-7113
Radium-224	U	0.167	pCi/L	0.23	0.88	RL-7129
Radium-226	U	0.632	pCi/L	0.48	0.72	RL-7129
Radium-228	U	11.9	pCi/L	16.8	43.9	RL-7129
Strontium-90	U	-0.7	pCi/L	0.12	2.63	RL-7140
Technetium-99		94.2	pCi/L	14.7	17.1	RL-7100
Thorium-230	U	0.414	pCi/L	0.13	0.69	RL-7128
Tritium	U	-109	pCi/L	168	284	704R6
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JU	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	JU	0.01	mg/L		0.01	SW846-8260
Acrolein	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	JU	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	JU	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	JU	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	JU	0.005	mg/L		0.005	SW846-8260

**MW390****19654**

Methylene chloride	U	0.005 mg/L	0.005	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	35 mg/L	35	EPA-410.4 1978
Cyanide	U	0.05 mg/L	0.05	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		1.8 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.04 mg/L	0.04	SW846-9020A

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# Paducah-OREIS Data Report

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**MW391**

**19654**

**MW391SG1-05**

Collected: 10/12/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		43.8	mg/L		2	SW846-9056
Fluoride		0.15	mg/L		0.1	9214
Nitrate as Nitrogen		1.1	mg/L		1	SW846-9056
Sulfate		8.6	mg/L		5	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic		0.00129	mg/L		0.001	SW846-6020
Barium	B	0.218	mg/L		0.005	SW846-6020
Barium, Dissolved	B	0.219	mg/L		0.005	SW846-6020
Beryllium	JU	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6010A
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium	BJ	25.3	mg/L		1	SW846-6010A
Chromium	U	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Cobalt	BU	0.001	mg/L		0.001	SW846-6020
Copper	UX	0.02	mg/L		0.02	SW846-6020
Iron		0.49	mg/L		0.1	SW846-6010A
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium	B	10.2	mg/L		0.02	SW846-6010A
Manganese		0.00713	mg/L		0.005	SW846-6020
Mercury	BUW	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	BUX	0.005	mg/L		0.005	SW846-6020
Potassium	B	1.43	mg/L		0.2	SW846-6010A
Rhodium	BUX	0.005	mg/L		0.005	SW846-6020
Selenium		0.00632	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium	J	28.8	mg/L		1	SW846-6010A
Tantalum	BJUX	0.005	mg/L		0.005	SW846-6020
Thallium	BU	0.002	mg/L		0.002	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.89	Inches/Hg			
<b>PHYSC</b>						
Conductivity		353	umho/cm			
Depth to Water		42.47	ft			
Dissolved Oxygen		4.24	mg/L			
Dissolved Solids		195	mg/L		50	EPA-160.1
pH		6.1	Std Unit			
Redox		120	mV			
Suspended Solids	U	25	mg/L		25	EPA-160.2
Temperature		62	deg F			
Total Solids		200	mg/L		50	EPA-160.3



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**19654**

Turbidity		7	NTU			
<b>RADS</b>						
Alpha activity	U	1.44	pCi/L	0.74	6.5	SW846-9310
Beta activity	U	4.78	pCi/L	1.01	5.66	SW846-9310
Radium	U	0.11	pCi/L	0.1	0.6	RL-7113
Radium-224	U	0	pCi/L	0	0.91	RL-7129
Radium-226	U	0.262	pCi/L	0.31	0.69	RL-7129
Radium-228	U	-10.1	pCi/L	14.4	24.2	RL-7129
Strontium-90	U	-0.684	pCi/L	0.11	2.75	RL-7140
Technetium-99	U	4.9	pCi/L	12.2	18	RL-7100
Thorium-230	U	0.675	pCi/L	0.16	0.69	RL-7128
Thorium-232		0.468	pCi/L	0.13	0.27	RL-7128
Tritium	U	111	pCi/L	172	284	704R6
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JU	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	JU	0.01	mg/L		0.01	SW846-8260
Acetone	U	0.01	mg/L		0.01	SW846-8260
Acrolein	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	JU	0.005	mg/L		0.005	SW846-8260

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## MW391

### 19654

Methylene chloride	U	0.005	mg/L	0.005	SW846-8260
Styrene	U	0.005	mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L	0.005	SW846-8260
Toluene	U	0.005	mg/L	0.005	SW846-8260
Total Xylene	U	0.015	mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L	0.005	SW846-8260
Trichloroethene		0.012	mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01	mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002	mg/L	0.002	SW846-8260
<b>WETCHEM</b>					
Chemical Oxygen Demand (COD)	U	35	mg/L	35	EPA-410.4 1978
Cyanide	U	0.05	mg/L	0.05	SW846-9010-A
Iodide	U	2	mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1	mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.04	mg/L	0.04	SW846-9020A

### MW391SG1-05R

Collected: 11/17/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METEO</b>						
Barometric Pressure Reading		30.36	Inches/Hg			
<b>PHYSC</b>						
Conductivity		359	umho/cm			
Depth to Water		43.67	ft			
Dissolved Oxygen		4	mg/L			
pH		6.1	Std Unit			
Redox		164	mV			
Temperature		60	deg F			
Turbidity		3.6	NTU			
<b>RADS</b>						
Iodine-131	U	6.12	pCi/L	12.2	19.3	RL-7124

# Paducah-OREIS Data Report

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**MW392**

**19654**

**MW392SG1-05**

Collected: 10/12/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		44.1	mg/L		2	SW846-9056
Fluoride		0.2	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		9	mg/L		5	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic		0.00201	mg/L		0.001	SW846-6020
Barium	B	0.198	mg/L		0.005	SW846-6020
Barium, Dissolved	B	0.198	mg/L		0.005	SW846-6020
Beryllium	JU	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6010A
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium	BJ	26	mg/L		1	SW846-6010A
Chromium	U	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Cobalt	BU	0.001	mg/L		0.001	SW846-6020
Copper	UX	0.02	mg/L		0.02	SW846-6020
Iron		2.81	mg/L		0.1	SW846-6010A
Lead		0.00523	mg/L		0.005	SW846-6020
Magnesium	B	9.71	mg/L		0.02	SW846-6010A
Manganese		0.436	mg/L		0.005	SW846-6020
Mercury	BUW	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	BUX	0.005	mg/L		0.005	SW846-6020
Potassium	B	1.92	mg/L		0.2	SW846-6010A
Rhodium	BUX	0.005	mg/L		0.005	SW846-6020
Selenium	U	0.005	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium	J	44.5	mg/L		1	SW846-6010A
Tantalum	BJUX	0.005	mg/L		0.005	SW846-6020
Thallium	BU	0.002	mg/L		0.002	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.89	Inches/Hg			
<b>PHYSC</b>						
Conductivity		414	umho/cm			
Depth to Water		41.65	ft			
Dissolved Oxygen		0.98	mg/L			
Dissolved Solids		222	mg/L		50	EPA-160.1
pH		6.34	Std Unit			
Redox		67	mV			
Suspended Solids	U	25	mg/L		25	EPA-160.2
Temperature		61.4	deg F			
Total Solids		229	mg/L		50	EPA-160.3

**MW392**

**19654**

Turbidity		7.5	NTU			
<b>RADS</b>						
Alpha activity	U	1.18	pCi/L	0.62	7.34	SW846-9310
Beta activity	U	5.23	pCi/L	1.1	5.83	SW846-9310
Radium	U	0.086	pCi/L	0.1	0.6	RL-7113
Radium-224	U	0.0808	pCi/L	0.16	1.27	RL-7129
Radium-226	U	0.0416	pCi/L	0.31	0.72	RL-7129
Radium-228	U	12.4	pCi/L	16.9	39.1	RL-7129
Strontium-90	U	-0.154	pCi/L	0.02	2.61	RL-7140
Technetium-99	U	6.86	pCi/L	11.7	17.1	RL-7100
Thorium-230	U	0.281	pCi/L	0.11	0.68	RL-7128
Tritium	U	-193	pCi/L	166	284	704R6
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JU	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	JU	0.01	mg/L		0.01	SW846-8260
Acetone	U	0.01	mg/L		0.01	SW846-8260
Acrolein	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	JU	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260

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Styrene	U	0.005	mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L	0.005	SW846-8260
Toluene	U	0.005	mg/L	0.005	SW846-8260
Total Xylene	U	0.015	mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L	0.005	SW846-8260
Trichloroethene		0.0095	mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01	mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002	mg/L	0.002	SW846-8260
<b>WETCHEM</b>					
Chemical Oxygen Demand (COD)	U	35	mg/L	35	EPA-410.4 1978
Cyanide	U	0.05	mg/L	0.05	SW846-9010-A
Iodide	U	2	mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		2.5	mg/L	1	SW846-9060
Total Organic Halides (TOX)	NU	0.04	mg/L	0.04	SW846-9020A

**MW392SG1-05R**

Collected: 11/17/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METEO</b>						
Barometric Pressure Reading		30.36	Inches/Hg			
<b>PHYSC</b>						
Conductivity		409	umho/cm			
Depth to Water		42.8	ft			
Dissolved Oxygen		0.87	mg/L			
pH		6.27	Std Unit			
Redox		128	mV			
Temperature		59.5	deg F			
Turbidity		7.1	NTU			
<b>RADS</b>						
Iodine-131	U	-3.39	pCi/L	6.77	11.8	RL-7124

# Paducah-OREIS Data Report

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12/18/2007

**MW393**  
**19654**  
**MW393SG1-05**

Collected: 10/12/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		20.5	mg/L		2	SW846-9056
Fluoride		0.17	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		5.3	mg/L		5	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic		0.00273	mg/L		0.001	SW846-6020
Barium	B	0.106	mg/L		0.005	SW846-6020
Barium, Dissolved	B	0.109	mg/L		0.005	SW846-6020
Beryllium	JU	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6010A
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium	BJ	14.2	mg/L		1	SW846-6010A
Chromium	U	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Cobalt	BU	0.001	mg/L		0.001	SW846-6020
Copper	UX	0.02	mg/L		0.02	SW846-6020
Iron		7.66	mg/L		0.1	SW846-6010A
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium	B	4.57	mg/L		0.02	SW846-6010A
Manganese		0.0516	mg/L		0.005	SW846-6020
Mercury	BUW	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	BUX	0.005	mg/L		0.005	SW846-6020
Potassium	B	0.455	mg/L		0.2	SW846-6010A
Rhodium	BUX	0.005	mg/L		0.005	SW846-6020
Selenium	U	0.005	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium	J	86.1	mg/L		1	SW846-6010A
Tantalum	BJUX	0.005	mg/L		0.005	SW846-6020
Thallium	BU	0.002	mg/L		0.002	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.89	Inches/Hg			
<b>PHYSC</b>						
Conductivity		489	umho/cm			
Depth to Water		25.84	ft			
Dissolved Oxygen		0.81	mg/L			
Dissolved Solids		297	mg/L		50	EPA-160.1
pH		6.29	Std Unit			
Redox		-12	mV			
Suspended Solids	U	25	mg/L		25	EPA-160.2
Temperature		62.5	deg F			
Total Solids		315	mg/L		50	EPA-160.3

**MW393**

**19654**

Turbidity		3.4	NTU			
<b>RADS</b>						
Alpha activity	U	-1.48	pCi/L	1.04	10.2	SW846-9310
Beta activity	U	2.5	pCi/L	0.59	6.33	SW846-9310
Radium	U	-0.124	pCi/L	0.12	0.6	RL-7113
Radium-224	U	0.198	pCi/L	0.28	0.97	RL-7129
Radium-226	U	-0.0469	pCi/L	0.24	0.77	RL-7129
Radium-228	U	6.89	pCi/L	8.21	33.8	RL-7129
Strontium-90	U	0.155	pCi/L	0.02	2.67	RL-7140
Technetium-99	U	4.61	pCi/L	12.2	18	RL-7100
Thorium-230		0.86	pCi/L	0.17	0.68	RL-7128
Thorium-232		1.73	pCi/L	0.22	0.26	RL-7128
Tritium	U	52.5	pCi/L	171	284	704R6
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JU	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	JU	0.01	mg/L		0.01	SW846-8260
Acetone	U	0.01	mg/L		0.01	SW846-8260
Acrolein	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	JU	0.005	mg/L		0.005	SW846-8260

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## MW393

### 19654

Methylene chloride	U	0.005	mg/L	0.005	SW846-8260
Styrene	U	0.005	mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L	0.005	SW846-8260
Toluene	U	0.005	mg/L	0.005	SW846-8260
Total Xylene	U	0.015	mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L	0.005	SW846-8260
Trichloroethene	U	0.001	mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01	mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002	mg/L	0.002	SW846-8260
<b>WETCHEM</b>					
Chemical Oxygen Demand (COD)	U	35	mg/L	35	EPA-410.4 1978
Cyanide	U	0.05	mg/L	0.05	SW846-9010-A
Iodide	U	2	mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		8.4	mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.109	mg/L	0.04	SW846-9020A

### MW393SG1-05R

Collected: 11/17/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METEO</b>						
Barometric Pressure Reading		30.36	Inches/Hg			
<b>PHYSC</b>						
Conductivity		493	umho/cm			
Depth to Water		27	ft			
Dissolved Oxygen		8.79	mg/L			
pH		6.27	Std Unit			
Redox		30	mV			
Temperature		60.6	deg F			
Turbidity		4	NTU			
<b>RADS</b>						
Iodine-131	U	-0.856	pCi/L	1.71	13.7	RL-7124



# Paducah-OREIS Data Report

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12/18/2007

**MW394**  
**19654**  
**MW394SG1-05**

Collected: 10/12/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		55.7	mg/L		5	SW846-9056
Fluoride		0.17	mg/L		0.1	9214
Nitrate as Nitrogen		1.2	mg/L		1	SW846-9056
Sulfate		8.2	mg/L		5	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic		0.00148	mg/L		0.001	SW846-6020
Barium	B	0.211	mg/L		0.005	SW846-6020
Barium, Dissolved		0.209	mg/L		0.005	SW846-6020
Beryllium	JU	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6010A
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium	BJ	27.8	mg/L		1	SW846-6010A
Chromium	U	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Cobalt	BU	0.001	mg/L		0.001	SW846-6020
Copper	UX	0.02	mg/L		0.02	SW846-6020
Iron		0.299	mg/L		0.1	SW846-6010A
Lead		0.00707	mg/L		0.005	SW846-6020
Magnesium	B	11.5	mg/L		0.02	SW846-6010A
Manganese		0.0305	mg/L		0.005	SW846-6020
Mercury	BUW	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	BUX	0.005	mg/L		0.005	SW846-6020
Potassium	B	0.895	mg/L		0.2	SW846-6010A
Rhodium	BUX	0.005	mg/L		0.005	SW846-6020
Selenium		0.00687	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium	J	28.9	mg/L		1	SW846-6010A
Tantalum	BJUX	0.005	mg/L		0.005	SW846-6020
Thallium	BU	0.002	mg/L		0.002	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.8	Inches/Hg			
<b>PHYSC</b>						
Conductivity		388	umho/cm			
Depth to Water		53.91	ft			
Dissolved Oxygen		3.4	mg/L			
Dissolved Solids		216	mg/L		50	EPA-160.1
pH		6.1	Std Unit			
Redox		238	mV			
Suspended Solids	U	25	mg/L		25	EPA-160.2
Temperature		62.6	deg F			
Total Solids		231	mg/L		50	EPA-160.3

**MW394**

**19654**

Turbidity		4.9	NTU			
<b>RADS</b>						
Alpha activity	U	1.75	pCi/L	0.87	6.77	SW846-9310
Beta activity		6.33	pCi/L	1.27	5.71	SW846-9310
Radium	U	0.0339	pCi/L	0.1	0.6	RL-7113
Radium-224	U	0.178	pCi/L	0.25	0.93	RL-7129
Radium-226	U	0.0366	pCi/L	0.18	0.74	RL-7129
Radium-228	U	5.91	pCi/L	7.89	39.2	RL-7129
Strontium-90	U	-1.44	pCi/L	0.27	2.81	RL-7140
Technetium-99	U	-12.7	pCi/L	0	18	RL-7100
Thorium-230	U	0.564	pCi/L	0.13	0.68	RL-7128
Tritium	U	88.2	pCi/L	172	284	704R6
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JU	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	JU	0.01	mg/L		0.01	SW846-8260
Acetone	U	0.01	mg/L		0.01	SW846-8260
Acrolein	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	JU	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260

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## MW394

### 19654

Styrene	U	0.005	mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L	0.005	SW846-8260
Toluene	U	0.005	mg/L	0.005	SW846-8260
Total Xylene	U	0.015	mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L	0.005	SW846-8260
Trichloroethene		0.019	mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01	mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002	mg/L	0.002	SW846-8260
<b>WETCHEM</b>					
Chemical Oxygen Demand (COD)	U	35	mg/L	35	EPA-410.4 1978
Cyanide	U	0.05	mg/L	0.05	SW846-9010-A
Iodide	U	2	mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1	mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.04	mg/L	0.04	SW846-9020A

### MW394SG1-05R

Collected: 11/17/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METEO</b>						
Barometric Pressure Reading		30.36	Inches/Hg			
<b>PHYSC</b>						
Conductivity		401	umho/cm			
Depth to Water		55.14	ft			
Dissolved Oxygen		3.38	mg/L			
pH		6.26	Std Unit			
Redox		178	mV			
Temperature		59.9	deg F			
Turbidity		3.1	NTU			
<b>RADS</b>						
Iodine-131	U	-4.5	pCi/L	9	12.9	RL-7124

# Paducah-OREIS Data Report

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**MW395**  
**19654**  
**MW395SG1-05**

Collected: 10/12/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		59	mg/L		5	SW846-9056
Fluoride		0.13	mg/L		0.1	9214
Nitrate as Nitrogen		1.8	mg/L		1	SW846-9056
Sulfate		8.5	mg/L		5	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic		0.00161	mg/L		0.001	SW846-6020
Barium	B	0.251	mg/L		0.005	SW846-6020
Barium, Dissolved		0.258	mg/L		0.005	SW846-6020
Beryllium	JU	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6010A
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium	BJ	31.8	mg/L		1	SW846-6010A
Chromium	U	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Cobalt	BU	0.001	mg/L		0.001	SW846-6020
Copper	UX	0.02	mg/L		0.02	SW846-6020
Iron	U	0.1	mg/L		0.1	SW846-6010A
Lead		0.00511	mg/L		0.005	SW846-6020
Magnesium	B	12.9	mg/L		0.02	SW846-6010A
Manganese		0.00752	mg/L		0.005	SW846-6020
Mercury	BUW	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	BUX	0.005	mg/L		0.005	SW846-6020
Potassium	B	1.58	mg/L		0.2	SW846-6010A
Rhodium	BUX	0.005	mg/L		0.005	SW846-6020
Selenium		0.00789	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium	J	25.1	mg/L		1	SW846-6010A
Tantalum	BJUX	0.005	mg/L		0.005	SW846-6020
Thallium	BU	0.002	mg/L		0.002	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.8	Inches/Hg			
<b>PHYSC</b>						
Conductivity		398	umho/cm			
Depth to Water		54.35	ft			
Dissolved Oxygen		4.2	mg/L			
Dissolved Solids		217	mg/L		50	EPA-160.1
pH		6.1	Std Unit			
Redox		227	mV			
Suspended Solids	U	25	mg/L		25	EPA-160.2
Temperature		62.4	deg F			
Total Solids		237	mg/L		50	EPA-160.3

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## MW395

### 19654

Turbidity		3.2	NTU			
<b>RADS</b>						
Alpha activity	U	1.04	pCi/L	0.53	6.57	SW846-9310
Beta activity		9.43	pCi/L	1.72	5.67	SW846-9310
Radium	U	0.143	pCi/L	0.1	0.6	RL-7113
Radium-224	U	0.00475	pCi/L	0.19	0.87	RL-7129
Radium-226	U	0.408	pCi/L	0.37	0.69	RL-7129
Radium-228	U	12.8	pCi/L	18.3	37.9	RL-7129
Strontium-90	U	0.1	pCi/L	0.01	2.77	RL-7140
Technetium-99	U	6.8	pCi/L	12.4	18	RL-7100
Thorium-230	U	0.61	pCi/L	0.16	0.69	RL-7128
Tritium	U	164	pCi/L	173	284	704R6
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JU	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	JU	0.01	mg/L		0.01	SW846-8260
Acetone	U	0.01	mg/L		0.01	SW846-8260
Acrolein	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	JU	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260

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### 19654

Styrene	U	0.005	mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L	0.005	SW846-8260
Toluene	U	0.005	mg/L	0.005	SW846-8260
Total Xylene	U	0.015	mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L	0.005	SW846-8260
Trichloroethene		0.01	mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01	mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002	mg/L	0.002	SW846-8260
<b>WETCHEM</b>					
Chemical Oxygen Demand (COD)	U	35	mg/L	35	EPA-410.4 1978
Cyanide	U	0.05	mg/L	0.05	SW846-9010-A
Iodide	U	2	mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1	mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.04	mg/L	0.04	SW846-9020A

### MW395SG1-05R

Collected: 11/17/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METEO</b>						
Barometric Pressure Reading		30.36	Inches/Hg			
<b>PHYSC</b>						
Conductivity		407	umho/cm			
Depth to Water		55.81	ft			
Dissolved Oxygen		4.57	mg/L			
pH		6.17	Std Unit			
Redox		117	mV			
Temperature		60.1	deg F			
Turbidity		2.1	NTU			
<b>RADS</b>						
Iodine-131	U	-1.44	pCi/L	2.87	13.2	RL-7124

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**MW396**  
**19654**  
**MW396SG1-05**

Collected: 10/12/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide		1.6	mg/L		1	SW846-9056
Chloride		102	mg/L		10	SW846-9056
Fluoride		0.5	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		16.9	mg/L		5	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic		0.0036	mg/L		0.001	SW846-6020
Barium	B	0.307	mg/L		0.005	SW846-6020
Barium, Dissolved	B	0.296	mg/L		0.005	SW846-6020
Beryllium	JU	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6010A
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium	BJ	51.7	mg/L		1	SW846-6010A
Chromium	U	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Cobalt	B	0.00247	mg/L		0.001	SW846-6020
Copper	UX	0.02	mg/L		0.02	SW846-6020
Iron		4.92	mg/L		0.1	SW846-6010A
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium	B	20.4	mg/L		0.02	SW846-6010A
Manganese		0.707	mg/L		0.005	SW846-6020
Mercury	BUW	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	BUX	0.005	mg/L		0.005	SW846-6020
Potassium	B	1.41	mg/L		0.2	SW846-6010A
Rhodium	BUX	0.005	mg/L		0.005	SW846-6020
Selenium		0.0115	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium	J	153	mg/L		1	SW846-6010A
Tantalum	BJUX	0.005	mg/L		0.005	SW846-6020
Thallium	BU	0.002	mg/L		0.002	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.8	Inches/Hg			
<b>PHYSC</b>						
Conductivity		974	umho/cm			
Depth to Water		11.59	ft			
Dissolved Oxygen		1.05	mg/L			
Dissolved Solids		551	mg/L		50	EPA-160.1
pH		6.6	Std Unit			
Redox		114	mV			
Suspended Solids	U	25	mg/L		25	EPA-160.2
Temperature		63.6	deg F			
Total Solids		575	mg/L		50	EPA-160.3

**MW396**

**19654**

Turbidity		7.3	NTU			
<b>RADS</b>						
Alpha activity	U	-1.57	pCi/L	1.05	18.8	SW846-9310
Beta activity	U	4.25	pCi/L	1.02	12.4	SW846-9310
Radium	U	-0.923	pCi/L	0.92	0.6	RL-7113
Radium-224	U	0.00526	pCi/L	0.21	0.89	RL-7129
Radium-226	U	0.0408	pCi/L	0.27	0.71	RL-7129
Radium-228	U	6.3	pCi/L	8.21	33.8	RL-7129
Strontium-90	U	-0.422	pCi/L	0.07	2.71	RL-7140
Technetium-99	U	3.86	pCi/L	12.3	18	RL-7100
Thorium-230	U	0.543	pCi/L	0.14	0.68	RL-7128
Thorium-232		0.6	pCi/L	0.13	0.26	RL-7128
Tritium	U	71.4	pCi/L	171	284	704R6
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JU	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	JU	0.01	mg/L		0.01	SW846-8260
Acetone	U	0.01	mg/L		0.01	SW846-8260
Acrolein	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	JU	0.005	mg/L		0.005	SW846-8260



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## MW396

### 19654

Methylene chloride	U	0.005	mg/L	0.005	SW846-8260
Styrene	U	0.005	mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L	0.005	SW846-8260
Toluene	U	0.005	mg/L	0.005	SW846-8260
Total Xylene	U	0.015	mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L	0.005	SW846-8260
Trichloroethene	U	0.001	mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01	mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002	mg/L	0.002	SW846-8260
<b>WETCHEM</b>					
Chemical Oxygen Demand (COD)	U	35	mg/L	35	EPA-410.4 1978
Cyanide	U	0.05	mg/L	0.05	SW846-9010-A
Iodide		2.5	mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		7	mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.158	mg/L	0.04	SW846-9020A

## MW396SG1-05R

Collected: 11/17/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METEO</b>						
Barometric Pressure Reading		30.36	Inches/Hg			
<b>PHYSC</b>						
Conductivity		995	umho/cm			
Depth to Water		9.96	ft			
Dissolved Oxygen		0.95	mg/L			
pH		6.65	Std Unit			
Redox		0	mV			
Temperature		60.9	deg F			
Turbidity		3.1	NTU			
<b>RADS</b>						
Iodine-131	U	-5.58	pCi/L	11.2	14.9	RL-7124

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**MW397**  
**19654**  
**MW397SG1-05**

Collected: 10/12/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		41.6	mg/L		2	SW846-9056
Fluoride		0.16	mg/L		0.1	9214
Nitrate as Nitrogen		1.9	mg/L		1	SW846-9056
Sulfate		12	mg/L		5	SW846-9056
<b>METAL</b>						
Aluminum		0.348	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic		0.00122	mg/L		0.001	SW846-6020
Barium	B	0.133	mg/L		0.005	SW846-6020
Barium, Dissolved		0.133	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6010A
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium	B	18.8	mg/L		1	SW846-6010A
Chromium	U	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Cobalt	BU	0.001	mg/L		0.001	SW846-6020
Copper	UX	0.02	mg/L		0.02	SW846-6020
Iron		0.299	mg/L		0.1	SW846-6010A
Lead		0.0124	mg/L		0.005	SW846-6020
Magnesium	B	7.84	mg/L		0.02	SW846-6010A
Manganese	U	0.005	mg/L		0.005	SW846-6020
Mercury	BUW	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	BUX	0.005	mg/L		0.005	SW846-6020
Potassium	B	1.83	mg/L		0.2	SW846-6010A
Rhodium	BUX	0.005	mg/L		0.005	SW846-6020
Selenium		0.0063	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		31.8	mg/L		1	SW846-6010A
Tantalum	JUX	0.005	mg/L		0.005	SW846-6020
Thallium	BU	0.002	mg/L		0.002	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.8	Inches/Hg			
<b>PHYSC</b>						
Conductivity		334	umho/cm			
Depth to Water		62.52	ft			
Dissolved Oxygen		5.07	mg/L			
Dissolved Solids		186	mg/L		50	EPA-160.1
pH		6.1	Std Unit			
Redox		155	mV			
Suspended Solids	U	25	mg/L		25	EPA-160.2
Temperature		62	deg F			
Total Solids		187	mg/L		50	EPA-160.3

**MW397**

**19654**

Turbidity 4 NTU

**RADS**

Alpha activity	U	-2.75	pCi/L	2.46	6.6	SW846-9310
Beta activity		9.59	pCi/L	1.74	5.68	SW846-9310
Radium	U	0.0317	pCi/L	0.1	0.6	RL-7113
Radium-224	U	0.054	pCi/L	0.22	0.93	RL-7129
Radium-226	U	0.379	pCi/L	0.38	0.77	RL-7129
Radium-228	U	25.5	pCi/L	28.9	40.2	RL-7129
Strontium-90	U	-0.564	pCi/L	0.09	2.85	RL-7140
Technetium-99	U	2.3	pCi/L	12.1	18	RL-7100
Thorium-230	U	0.459	pCi/L	0.15	0.69	RL-7128
Tritium	U	71.4	pCi/L	171	284	704R6

**SVOA**

1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260

**VOA**

1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JU	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	JU	0.01	mg/L		0.01	SW846-8260
Acetone	U	0.01	mg/L		0.01	SW846-8260
Acrolein	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	JU	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260

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## MW397

### 19654

Styrene	U	0.005	mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L	0.005	SW846-8260
Toluene	U	0.005	mg/L	0.005	SW846-8260
Total Xylene	U	0.015	mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L	0.005	SW846-8260
Trichloroethene	U	0.001	mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01	mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002	mg/L	0.002	SW846-8260
<b>WETCHEM</b>					
Chemical Oxygen Demand (COD)	U	35	mg/L	35	EPA-410.4 1978
Cyanide	U	0.05	mg/L	0.05	SW846-9010-A
Iodide	U	2	mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1	mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.04	mg/L	0.04	SW846-9020A

### MW397SG1-05R

Collected: 11/17/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METEO</b>						
Barometric Pressure Reading		30.36	Inches/Hg			
<b>PHYSC</b>						
Conductivity		340	umho/cm			
Depth to Water		63.7	ft			
Dissolved Oxygen		5.45	mg/L			
pH		6.01	Std Unit			
Redox		259	mV			
Temperature		60.8	deg F			
Turbidity		6.5	NTU			
<b>RADS</b>						
Iodine-131	U	-0.719	pCi/L	1.44	18.4	RL-7124

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**MW180**

**19710**

**MW180SA4-04**

Collected: 9/21/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Uranium	B	0.00359	mg/L		0.001	SW846-6020
Uranium	U	0.005	mg/L		0.005	ST7106-ISOT
<b>METEO</b>						
Barometric Pressure Reading		30.27	Inches/Hg			
<b>PHYSC</b>						
Conductivity		802	umho/cm			
Depth to Water		16.72	ft			
Dissolved Oxygen		1.12	mg/L			
pH		6.89	Std Unit			
Redox		118	mV			
Temperature		66.5	deg F			
Turbidity		17.7	NTU			
<b>RADS</b>						
Alpha activity	U	1.86	pCi/L	0.53	12.4	EPA-900.0
Beta activity		156	pCi/L	10.2	7.34	EPA-900.0
Technetium-99		142	pCi/L	15.4	16.6	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene	U	0.001	mg/L		0.001	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260

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**MW182**

**19710**

**MW182SA4-04**

Collected: 9/21/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Uranium		0.105	mg/L		0.05	ST7106-ISOT
Uranium	BN	0.134	mg/L		0.01	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		30.27	Inches/Hg			
<b>PHYSC</b>						
Conductivity		1051	umho/cm			
Depth to Water		18.2	ft			
Dissolved Oxygen		1.56	mg/L			
pH		6.63	Std Unit			
Redox		-32	mV			
Temperature		66.2	deg F			
Turbidity		107	NTU			
<b>RADS</b>						
Alpha activity		72.8	pCi/L	12.9	12.8	EPA-900.0
Beta activity		84.4	pCi/L	7.32	7.43	EPA-900.0
Technetium-99	U	11.3	pCi/L	11.5	16.6	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene	U	0.001	mg/L		0.001	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260

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**MW346**  
**19710**  
**MW346SA4-04**

Collected: 9/21/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Uranium	BU	0.001	mg/L		0.001	SW846-6020
Uranium	U	0.005	mg/L		0.005	ST7106-ISOT
<b>METEO</b>						
Barometric Pressure Reading		30.27	Inches/Hg			
<b>PHYSC</b>						
Conductivity		509	umho/cm			
Depth to Water		46.65	ft			
Dissolved Oxygen		0.77	mg/L			
pH		8.93	Std Unit			
Redox		31	mV			
Temperature		63.2	deg F			
Turbidity		23.6	NTU			
<b>RADS</b>						
Alpha activity	U	3.69	pCi/L	1.61	7.38	EPA-900.0
Beta activity		8.69	pCi/L	1.57	6.34	EPA-900.0
Technetium-99	U	6.23	pCi/L	11.3	16.6	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene	U	0.001	mg/L		0.001	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260

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**MW245**  
**19723**  
**MW245QS1-05**

Collected: 11/8/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		14	mg/L		2	SW846-9056
Fluoride		0.2	mg/L		0.1	EPA-340.2
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		39	mg/L		5	SW846-9056
<b>METAL</b>						
Aluminum	N	0.432	mg/L		0.2	SW846-6010A
Aluminum, Dissolved	U	0.2	mg/L		0.2	SW846-6010A
Antimony	U	0.005	mg/L		0.005	SW846-6020
Antimony, Dissolved	U	0.005	mg/L		0.005	SW846-6020
Arsenic		0.0123	mg/L		0.01	SW846-6020
Arsenic, Dissolved		0.00815	mg/L		0.001	SW846-6020
Barium	B	0.5	mg/L		0.005	SW846-6020
Barium, Dissolved	B	0.427	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Beryllium, Dissolved	BU	0.001	mg/L		0.001	SW846-6020
Cadmium	BU	0.001	mg/L		0.001	SW846-6020
Cadmium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Calcium		26.5	mg/L		1	SW846-6010A
Calcium, Dissolved		28.2	mg/L		1	SW846-6010A
Chromium	U	0.2	mg/L		0.2	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Cobalt		0.056	mg/L		0.01	SW846-6020
Cobalt, Dissolved		0.0466	mg/L		0.001	SW846-6020
Copper	BU	0.2	mg/L		0.2	SW846-6020
Copper, Dissolved	BU	0.02	mg/L		0.02	SW846-6020
Iron		31.3	mg/L		0.1	SW846-6010A
Iron, Dissolved		28.4	mg/L		0.1	SW846-6010A
Lead	BU	0.005	mg/L		0.005	SW846-6020
Lead, Dissolved	BU	0.005	mg/L		0.005	SW846-6020
Magnesium		10.7	mg/L		0.02	SW846-6010A
Magnesium, Dissolved		11.3	mg/L		0.02	SW846-6010A
Manganese	*N	10.3	mg/L		0.05	SW846-6020
Manganese, Dissolved		1.11	mg/L		0.05	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Molybdenum, Dissolved	B	0.00119	mg/L		0.001	SW846-6020
Nickel	B	0.0793	mg/L		0.05	SW846-6020
Nickel, Dissolved		0.0661	mg/L		0.005	SW846-6020
Potassium		1.1	mg/L		0.2	SW846-6010A
Potassium, Dissolved	B	1.05	mg/L		0.2	SW846-6010A
Selenium	U	0.005	mg/L		0.005	SW846-6020
Selenium, Dissolved	U	0.005	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Silver, Dissolved	BNU	0.001	mg/L		0.001	SW846-6020
Sodium		25.2	mg/L		1	SW846-6010A
Sodium, Dissolved		26.8	mg/L		1	SW846-6010A
Uranium	BU	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	BNU	0.001	mg/L		0.001	SW846-6020
Zinc	BUX	0.2	mg/L		0.2	SW846-6020





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**MW185**

**19744**

**MW185SA1-05**

Collected: 12/8/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Uranium	BU	0.001	mg/L		0.001	SW846-6020
Uranium	U	0.005	mg/L		0.005	ST7106
<b>METEO</b>						
Barometric Pressure Reading		30.24	Inches/Hg			
<b>PHYSC</b>						
Conductivity		415	umho/cm			
Depth to Water		50.41	ft			
Dissolved Oxygen		1.98	mg/L			
pH		5.96	Std Unit			
Redox		142	mV			
Temperature		57.4	deg F			
Turbidity		34.2	NTU			
<b>RADS</b>						
Alpha activity		32.8	pCi/L	4.41	3.75	SW846-9310
Beta activity		596	pCi/L	19.4	5.53	SW846-9310
Technetium-99		790	pCi/L	28.3	17	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.25	mg/L		0.25	SW846-8260
1,1,2-Trichloroethane	U	0.25	mg/L		0.25	SW846-8260
1,1-Dichloroethane	U	0.25	mg/L		0.25	SW846-8260
1,1-Dichloroethene	U	0.25	mg/L		0.25	SW846-8260
1,2-Dichloroethane	U	0.25	mg/L		0.25	SW846-8260
Benzene	U	0.25	mg/L		0.25	SW846-8260
Bromodichloromethane	U	0.25	mg/L		0.25	SW846-8260
Carbon tetrachloride	U	0.25	mg/L		0.25	SW846-8260
Chloroform	U	0.25	mg/L		0.25	SW846-8260
cis-1,2-Dichloroethene	U	0.25	mg/L		0.25	SW846-8260
Ethylbenzene	U	0.25	mg/L		0.25	SW846-8260
Tetrachloroethene	U	0.25	mg/L		0.25	SW846-8260
Toluene	U	0.25	mg/L		0.25	SW846-8260
Total Xylene	U	0.75	mg/L		0.75	SW846-8260
trans-1,2-Dichloroethene	U	0.25	mg/L		0.25	SW846-8260
Trichloroethene	D	3.3	mg/L		0.05	SW846-8260
Vinyl chloride	U	0.1	mg/L		0.1	SW846-8260

# Paducah-OREIS Data Report

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**MW186**

**19744**

**MW186SA1-05**

Collected: 12/8/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Uranium	BU	0.001	mg/L		0.001	SW846-6020
Uranium	U	0.005	mg/L		0.005	ST7106
<b>METEO</b>						
Barometric Pressure Reading		30.24	Inches/Hg			
<b>PHYSC</b>						
Conductivity		1417	umho/cm			
Depth to Water		8.64	ft			
Dissolved Oxygen		0.75	mg/L			
pH		5.89	Std Unit			
Redox		273	mV			
Temperature		60.5	deg F			
Turbidity		244	NTU			
<b>RADS</b>						
Alpha activity	U	3.67	pCi/L	2.32	9.33	SW846-9310
Beta activity		45.8	pCi/L	7.16	13.6	SW846-9310
Technetium-99	U	16	pCi/L	12.1	17	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.05	mg/L		0.05	SW846-8260
1,1,2-Trichloroethane	U	0.05	mg/L		0.05	SW846-8260
1,1-Dichloroethane	U	0.05	mg/L		0.05	SW846-8260
1,1-Dichloroethene	U	0.05	mg/L		0.05	SW846-8260
1,2-Dichloroethane	U	0.05	mg/L		0.05	SW846-8260
Benzene	U	0.05	mg/L		0.05	SW846-8260
Bromodichloromethane	U	0.05	mg/L		0.05	SW846-8260
Carbon tetrachloride	U	0.05	mg/L		0.05	SW846-8260
Chloroform	U	0.05	mg/L		0.05	SW846-8260
cis-1,2-Dichloroethene	D	0.28	mg/L		0.05	SW846-8260
Ethylbenzene	U	0.05	mg/L		0.05	SW846-8260
Tetrachloroethene	U	0.05	mg/L		0.05	SW846-8260
Toluene	U	0.05	mg/L		0.05	SW846-8260
Total Xylene	U	0.15	mg/L		0.15	SW846-8260
trans-1,2-Dichloroethene	U	0.05	mg/L		0.05	SW846-8260
Trichloroethene	D	0.076	mg/L		0.01	SW846-8260
Vinyl chloride	D	0.44	mg/L		0.02	SW846-8260

# Paducah-OREIS Data Report

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12/18/2007

**MW187**

**19744**

**MW187SA1-05**

Collected: 12/8/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Uranium	U	0.005	mg/L		0.005	ST7106
Uranium	BU	0.001	mg/L		0.001	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		30.24	Inches/Hg			
<b>PHYSC</b>						
Conductivity		909	umho/cm			
Depth to Water		6.77	ft			
Dissolved Oxygen		1.85	mg/L			
pH		6.19	Std Unit			
Redox		151	mV			
Temperature		57.2	deg F			
Turbidity		88.5	NTU			
<b>RADS</b>						
Alpha activity	U	3.79	pCi/L	2.28	4.8	SW846-9310
Beta activity		9.11	pCi/L	1.9	7.02	SW846-9310
Technetium-99	U	3.38	pCi/L	11.7	17	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.1	mg/L		0.1	SW846-8260
1,1,2-Trichloroethane	U	0.1	mg/L		0.1	SW846-8260
1,1-Dichloroethane	U	0.1	mg/L		0.1	SW846-8260
1,1-Dichloroethene	U	0.1	mg/L		0.1	SW846-8260
1,2-Dichloroethane	U	0.1	mg/L		0.1	SW846-8260
Benzene	U	0.1	mg/L		0.1	SW846-8260
Bromodichloromethane	U	0.1	mg/L		0.1	SW846-8260
Carbon tetrachloride	U	0.1	mg/L		0.1	SW846-8260
Chloroform	U	0.1	mg/L		0.1	SW846-8260
cis-1,2-Dichloroethene	D	0.24	mg/L		0.1	SW846-8260
Ethylbenzene	U	0.1	mg/L		0.1	SW846-8260
Tetrachloroethene	U	0.1	mg/L		0.1	SW846-8260
Toluene	U	0.1	mg/L		0.1	SW846-8260
Total Xylene	U	0.3	mg/L		0.3	SW846-8260
trans-1,2-Dichloroethene	U	0.1	mg/L		0.1	SW846-8260
Trichloroethene	D	2	mg/L		0.02	SW846-8260
Vinyl chloride	U	0.04	mg/L		0.04	SW846-8260

# Paducah-OREIS Data Report

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12/18/2007

**MW333**

**19744**

**MW333SA1-05**

Collected: 12/30/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Uranium	U	0.005	mg/L		0.005	ST7106
Uranium	BU	0.001	mg/L		0.001	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		30.27	Inches/Hg			
<b>PHYSC</b>						
Conductivity		273	umho/cm			
Depth to Water		52.25	ft			
Dissolved Oxygen		2.45	mg/L			
pH		6.22	Std Unit			
Redox		206	mV			
Temperature		59.6	deg F			
Turbidity		28.6	NTU			
<b>RADS</b>						
Alpha activity	U	-0.0341	pCi/L	0.02	5.01	SW846-9310
Beta activity	U	0.436	pCi/L	0.12	5.19	SW846-9310
Technetium-99	U	1.21	pCi/L	11.2	16.6	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.05	mg/L		0.05	SW846-8260
1,1,2-Trichloroethane	U	0.05	mg/L		0.05	SW846-8260
1,1-Dichloroethane	U	0.05	mg/L		0.05	SW846-8260
1,1-Dichloroethene	U	0.05	mg/L		0.05	SW846-8260
1,2-Dichloroethane	U	0.05	mg/L		0.05	SW846-8260
Benzene	U	0.05	mg/L		0.05	SW846-8260
Bromodichloromethane	U	0.05	mg/L		0.05	SW846-8260
Carbon tetrachloride	U	0.05	mg/L		0.05	SW846-8260
Chloroform	U	0.05	mg/L		0.05	SW846-8260
cis-1,2-Dichloroethene	D	0.13	mg/L		0.05	SW846-8260
Ethylbenzene	U	0.05	mg/L		0.05	SW846-8260
Tetrachloroethene	U	0.05	mg/L		0.05	SW846-8260
Toluene	U	0.05	mg/L		0.05	SW846-8260
Total Xylene	U	0.15	mg/L		0.15	SW846-8260
trans-1,2-Dichloroethene	U	0.05	mg/L		0.05	SW846-8260
Trichloroethene	D	1.1	mg/L		0.01	SW846-8260
Vinyl chloride	U	0.02	mg/L		0.02	SW846-8260

# Paducah-OREIS Data Report

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12/18/2007

**MW337**

**19744**

**MW337SA1-05**

Collected: 12/8/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Uranium	BU	0.001	mg/L		0.001	SW846-6020
Uranium	U	0.005	mg/L		0.005	ST7106
<b>METEO</b>						
Barometric Pressure Reading		30.24	Inches/Hg			
<b>PHYSC</b>						
Conductivity		191	umho/cm			
Depth to Water		50.52	ft			
Dissolved Oxygen		5.15	mg/L			
pH		5.71	Std Unit			
Redox		285	mV			
Temperature		59	deg F			
Turbidity		14.9	NTU			
<b>RADS</b>						
Alpha activity	U	-2.1	pCi/L	0.76	4.36	SW846-9310
Beta activity		129	pCi/L	8.16	4.71	SW846-9310
Technetium-99		195	pCi/L	17.2	17	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.01	mg/L		0.01	SW846-8260
1,1,2-Trichloroethane	U	0.01	mg/L		0.01	SW846-8260
1,1-Dichloroethane	U	0.01	mg/L		0.01	SW846-8260
1,1-Dichloroethene	U	0.01	mg/L		0.01	SW846-8260
1,2-Dichloroethane	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.01	mg/L		0.01	SW846-8260
Bromodichloromethane	U	0.01	mg/L		0.01	SW846-8260
Carbon tetrachloride	U	0.01	mg/L		0.01	SW846-8260
Chloroform	U	0.01	mg/L		0.01	SW846-8260
cis-1,2-Dichloroethene	U	0.01	mg/L		0.01	SW846-8260
Ethylbenzene	U	0.01	mg/L		0.01	SW846-8260
Tetrachloroethene	U	0.01	mg/L		0.01	SW846-8260
Toluene	U	0.01	mg/L		0.01	SW846-8260
Total Xylene	U	0.03	mg/L		0.03	SW846-8260
trans-1,2-Dichloroethene	U	0.01	mg/L		0.01	SW846-8260
Trichloroethene	D	0.14	mg/L		0.002	SW846-8260
Vinyl chloride	U	0.004	mg/L		0.004	SW846-8260

# Paducah-OREIS Data Report

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12/18/2007

**MW338**

**19744**

**MW338SA1-05**

Collected: 12/8/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Uranium	BU	0.001	mg/L		0.001	SW846-6020
Uranium	U	0.005	mg/L		0.005	ST7106
<b>METEO</b>						
Barometric Pressure Reading		30.24	Inches/Hg			
<b>PHYSC</b>						
Conductivity		201	umho/cm			
Depth to Water		50.75	ft			
Dissolved Oxygen		6	mg/L			
pH		5.6	Std Unit			
Redox		314	mV			
Temperature		59.9	deg F			
Turbidity		32.6	NTU			
<b>RADS</b>						
Alpha activity	U	0.742	pCi/L	0.66	3.27	SW846-9310
Beta activity	U	3.48	pCi/L	0.82	5.02	SW846-9310
Technetium-99	U	5.2	pCi/L	11.7	17	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene		0.013	mg/L		0.001	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260

# Paducah-OREIS Data Report

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12/18/2007

**MW339**

**19744**

**MW339SA1-05**

Collected: 12/16/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Uranium	U	0.005	mg/L		0.005	ST7106
Uranium	BU	0.001	mg/L		0.001	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		30.47	Inches/Hg			
<b>PHYSC</b>						
Conductivity		505	umho/cm			
Depth to Water		50.18	ft			
Dissolved Oxygen		3.71	mg/L			
pH		5.94	Std Unit			
Redox		284	mV			
Temperature		54.7	deg F			
Turbidity		22.9	NTU			
<b>RADS</b>						
Alpha activity	D	49.3	pCi/L	4.52	4.13	SW846-9310
Beta activity		1540	pCi/L	28.6	4.29	SW846-9310
Technetium-99		2100	pCi/L	42.9	17.2	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	1	mg/L		1	SW846-8260
1,1,2-Trichloroethane	JU	1	mg/L		1	SW846-8260
1,1-Dichloroethane	U	1	mg/L		1	SW846-8260
1,1-Dichloroethene	U	1	mg/L		1	SW846-8260
1,2-Dichloroethane	U	1	mg/L		1	SW846-8260
Benzene	U	1	mg/L		1	SW846-8260
Bromodichloromethane	U	1	mg/L		1	SW846-8260
Carbon tetrachloride	U	1	mg/L		1	SW846-8260
Chloroform	U	1	mg/L		1	SW846-8260
cis-1,2-Dichloroethene	U	1	mg/L		1	SW846-8260
Ethylbenzene	U	1	mg/L		1	SW846-8260
Tetrachloroethene	U	1	mg/L		1	SW846-8260
Toluene	U	1	mg/L		1	SW846-8260
Total Xylene	U	3	mg/L		3	SW846-8260
trans-1,2-Dichloroethene	U	1	mg/L		1	SW846-8260
Trichloroethene	D	14	mg/L		0.2	SW846-8260
Vinyl chloride	U	0.4	mg/L		0.4	SW846-8260



# Paducah-OREIS Data Report

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12/18/2007

**MW340**

**19744**

**MW340SA1-05**

Collected: 12/16/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Uranium	BU	0.001	mg/L		0.001	SW846-6020
Uranium	U	0.005	mg/L		0.005	ST7106
<b>METEO</b>						
Barometric Pressure Reading		30.47	Inches/Hg			
<b>PHYSC</b>						
Conductivity		470	umho/cm			
Depth to Water		50.68	ft			
Dissolved Oxygen		3.45	mg/L			
pH		6	Std Unit			
Redox		286	mV			
Temperature		56.6	deg F			
Turbidity		412	NTU			
<b>RADS</b>						
Alpha activity	D	26.3	pCi/L	4.01	4.13	SW846-9310
Beta activity		450	pCi/L	15.4	4.29	SW846-9310
Technetium-99		590	pCi/L	24.7	17.2	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.1	mg/L		0.1	SW846-8260
1,1,2-Trichloroethane	JU	0.1	mg/L		0.1	SW846-8260
1,1-Dichloroethane	U	0.1	mg/L		0.1	SW846-8260
1,1-Dichloroethene	U	0.1	mg/L		0.1	SW846-8260
1,2-Dichloroethane	U	0.1	mg/L		0.1	SW846-8260
Benzene	U	0.1	mg/L		0.1	SW846-8260
Bromodichloromethane	U	0.1	mg/L		0.1	SW846-8260
Carbon tetrachloride	U	0.1	mg/L		0.1	SW846-8260
Chloroform	U	0.1	mg/L		0.1	SW846-8260
cis-1,2-Dichloroethene	U	0.1	mg/L		0.1	SW846-8260
Ethylbenzene	U	0.1	mg/L		0.1	SW846-8260
Tetrachloroethene	U	0.1	mg/L		0.1	SW846-8260
Toluene	U	0.1	mg/L		0.1	SW846-8260
Total Xylene	U	0.3	mg/L		0.3	SW846-8260
trans-1,2-Dichloroethene	U	0.1	mg/L		0.1	SW846-8260
Trichloroethene	D	2.3	mg/L		0.02	SW846-8260
Vinyl chloride	U	0.04	mg/L		0.04	SW846-8260

# Paducah-OREIS Data Report

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12/18/2007

**MW63**

**19744**

**MW63SA1-05**

Collected: 12/7/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Uranium	U	0.005	mg/L		0.005	ST7106
Uranium	BU	0.001	mg/L		0.001	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.65	Inches/Hg			
<b>PHYSC</b>						
Conductivity		244	umho/cm			
Depth to Water		48.98	ft			
Dissolved Oxygen		2.35	mg/L			
pH		6.13	Std Unit			
Redox		237	mV			
Temperature		60.5	deg F			
Turbidity		19.7	NTU			
<b>RADS</b>						
Alpha activity	U	-0.0574	pCi/L	0.04	4.66	SW846-9310
Beta activity		5.12	pCi/L	1.12	4.93	SW846-9310
Technetium-99		17.4	pCi/L	12.1	17	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene		0.013	mg/L		0.001	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260

# Paducah-OREIS Data Report

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12/18/2007

**MW65**

**19744**

**MW65SA1-05**

Collected: 12/7/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Uranium	BU	0.001	mg/L		0.001	SW846-6020
Uranium	U	0.005	mg/L		0.005	ST7106
<b>METEO</b>						
Barometric Pressure Reading		29.65	Inches/Hg			
<b>PHYSC</b>						
Conductivity		200	umho/cm			
Depth to Water		48.82	ft			
Dissolved Oxygen		3.61	mg/L			
pH		5.96	Std Unit			
Redox		227	mV			
Temperature		60.3	deg F			
Turbidity		23.8	NTU			
<b>RADS</b>						
Alpha activity	U	1.28	pCi/L	0.66	4.5	SW846-9310
Beta activity		21.3	pCi/L	3.01	4.81	SW846-9310
Technetium-99		30.6	pCi/L	12.6	17	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene		0.076	mg/L		0.001	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260

# Paducah-OREIS Data Report

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12/18/2007

**MW185**

**19791**

**MW185SA3-04**

Collected: 6/14/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Uranium	U	0.005	mg/L		0.005	ST7106-ISOT
Uranium	BU	0.001	mg/L		0.001	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.88	Inches/Hg			
<b>PHYSC</b>						
Conductivity		381	umho/cm			
Depth to Water		46.55	ft			
Dissolved Oxygen		1.08	mg/L			
pH		5.87	Std Unit			
Redox		197	mV			
Temperature		66.3	deg F			
Turbidity		78.9	NTU			
<b>RADS</b>						
Alpha activity	U	4.64	pCi/L	0.99	5.2	EPA-900.0
Beta activity		274	pCi/L	12.3	5.89	EPA-900.0
Dissolved Alpha	U	-1.88	pCi/L	0.82	6.38	EPA-900.0
Dissolved Beta		164	pCi/L	12.6	11.2	EPA-900.0
Potassium-40	U	-91.9	pCi/L	184	50	RL-7124
Suspended Alpha	U	-4.3	pCi/L	3.51	5.3	EPA-900.0
Suspended Beta		87.1	pCi/L	8.52	10.3	EPA-900.0
Technetium-99		362	pCi/L	21.3	17.3	RL-7100
Thorium-228	U	0.036	pCi/L	0.05	0.21	RL-7120
Thorium-230	U	0.21	pCi/L	0.15	0.61	RL-7120
Thorium-232	U	-0.0536	pCi/L	0.03	0.22	RL-7120
Thorium-234	U	-3.38	pCi/L	6.76	49.6	RL-7124
Uranium	U	40	pCi/L		40	ST7106-ISOT
Uranium-234	U	30	pCi/L		30	ST7106-ISOT
Uranium-235			wt %			ST7106-ISOT
Uranium-235	U	2.2	pCi/L		2.2	ST7106-ISOT
Uranium-238	U	0.35	pCi/L		0.35	ST7106-ISOT
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.25	mg/L		0.25	SW846-8260
1,1,2-Trichloroethane	U	0.25	mg/L		0.25	SW846-8260
1,1-Dichloroethane	U	0.25	mg/L		0.25	SW846-8260
1,1-Dichloroethene	U	0.25	mg/L		0.25	SW846-8260
1,2-Dichloroethane	U	0.25	mg/L		0.25	SW846-8260
Benzene	U	0.25	mg/L		0.25	SW846-8260
Bromodichloromethane	U	0.25	mg/L		0.25	SW846-8260
Carbon tetrachloride	U	0.25	mg/L		0.25	SW846-8260
Chloroform	U	0.25	mg/L		0.25	SW846-8260
cis-1,2-Dichloroethene	UX	0.25	mg/L		0.25	SW846-8260
Ethylbenzene	U	0.25	mg/L		0.25	SW846-8260
Tetrachloroethene	U	0.25	mg/L		0.25	SW846-8260
Toluene	U	0.25	mg/L		0.25	SW846-8260
Total Xylene	U	0.75	mg/L		0.75	SW846-8260
trans-1,2-Dichloroethene	U	0.25	mg/L		0.25	SW846-8260
Trichloroethene	DX	3.1	mg/L		0.05	SW846-8260
Vinyl chloride	U	0.1	mg/L		0.1	SW846-8260

# Paducah-OREIS Data Report

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**MW186**

**19791**

**MW186SA3-04**

Collected: 6/8/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Uranium	BU	0.001	mg/L		0.001	SW846-6020
Uranium	U	0.005	mg/L		0.005	ST7106-ISOT
<b>METEO</b>						
Barometric Pressure Reading		30.03	Inches/Hg			
<b>PHYSC</b>						
Conductivity		1393	umho/cm			
Depth to Water		7.3	ft			
Dissolved Oxygen		0.78	mg/L			
pH		5.85	Std Unit			
Redox		157	mV			
Temperature		64.6	deg F			
Turbidity		26.6	NTU			
<b>RADS</b>						
Alpha activity	UX	3.78	pCi/L	1.95	18.8	EPA-900.0
Beta activity	X	37.5	pCi/L	5.56	13.8	EPA-900.0
Dissolved Alpha	U	0.438	pCi/L	0.3	14.6	EPA-900.0
Dissolved Beta		36.1	pCi/L	5.43	13.9	EPA-900.0
Potassium-40	U	0.939	pCi/L	1.88	44.5	RL-7124
Suspended Alpha	U	1.99	pCi/L	1.33	5.29	EPA-900.0
Suspended Beta	U	3.49	pCi/L	0.76	10.3	EPA-900.0
Technetium-99		30.8	pCi/L	12.6	17.3	RL-7100
Thorium-228	UT	-0.0399	pCi/L	0.1	0.28	RL-7120
Thorium-230	UT	-0.207	pCi/L	0.12	0.68	RL-7120
Thorium-232	UT	-0.092	pCi/L	0.05	0.27	RL-7120
Thorium-234	U	6.06	pCi/L	12.1	32.5	RL-7124
Uranium	U	40	pCi/L		40	ST7106-ISOT
Uranium-234	U	30	pCi/L		30	ST7106-ISOT
Uranium-235	U	2.2	pCi/L		2.2	ST7106-ISOT
Uranium-235			wt %			ST7106-ISOT
Uranium-238	U	0.35	pCi/L		0.35	ST7106-ISOT
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.05	mg/L		0.05	SW846-8260
1,1,2-Trichloroethane	U	0.05	mg/L		0.05	SW846-8260
1,1-Dichloroethane	UX	0.05	mg/L		0.05	SW846-8260
1,1-Dichloroethene	U	0.05	mg/L		0.05	SW846-8260
1,2-Dichloroethane	U	0.05	mg/L		0.05	SW846-8260
Benzene	UX	0.05	mg/L		0.05	SW846-8260
Bromodichloromethane	U	0.05	mg/L		0.05	SW846-8260
Carbon tetrachloride	U	0.05	mg/L		0.05	SW846-8260
Chloroform	U	0.05	mg/L		0.05	SW846-8260
cis-1,2-Dichloroethene	D	0.31	mg/L		0.05	SW846-8260
Ethylbenzene	U	0.05	mg/L		0.05	SW846-8260
Tetrachloroethene	U	0.05	mg/L		0.05	SW846-8260
Toluene	U	0.05	mg/L		0.05	SW846-8260
Total Xylene	U	0.15	mg/L		0.15	SW846-8260
trans-1,2-Dichloroethene	U	0.05	mg/L		0.05	SW846-8260
Trichloroethene	D	0.11	mg/L		0.01	SW846-8260
Vinyl chloride	DX	0.55	mg/L		0.02	SW846-8260

# Paducah-OREIS Data Report

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**MW187**

**19791**

**MW187SA3-04**

Collected: 6/4/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium	U	0.005	mg/L		0.005	ST7106-ISOT
<b>METEO</b>						
Barometric Pressure Reading		30.09	Inches/Hg			
<b>PHYSC</b>						
Conductivity		860	umho/cm			
Depth to Water		6.61	ft			
Dissolved Oxygen		1.83	mg/L			
pH		6.21	Std Unit			
Redox		198	mV			
Temperature		65.6	deg F			
Turbidity		189	NTU			
<b>RADS</b>						
Alpha activity	X	29.4	pCi/L	8.87	11.5	EPA-900.0
Beta activity	X	13.5	pCi/L	2.48	8.69	EPA-900.0
Dissolved Alpha	U	0.511	pCi/L	0.38	14.3	EPA-900.0
Dissolved Beta	U	5.9	pCi/L	1.27	13.5	EPA-900.0
Potassium-40	U	-88.7	pCi/L	177	50	RL-7124
Suspended Alpha	U	0.834	pCi/L	0.59	7.43	EPA-900.0
Suspended Beta	U	4.07	pCi/L	0.89	11.2	EPA-900.0
Technetium-99	U	-0.438	pCi/L	0	17.1	RL-7100
Thorium-228	U	0.0362	pCi/L	0.07	0.2	RL-7120
Thorium-230	U	-0.238	pCi/L	0.05	0.6	RL-7120
Thorium-232	U	-0.0441	pCi/L	0.03	0.23	RL-7120
Thorium-234	U	8.29	pCi/L	16.6	47.3	RL-7124
Uranium	U	40	pCi/L		40	ST7106-ISOT
Uranium-234	U	30	pCi/L		30	ST7106-ISOT
Uranium-235		NA				ST7106-ISOT
Uranium-235	U	2.2	pCi/L		2.2	ST7106-ISOT
Uranium-238	U	0.35	pCi/L		0.35	ST7106-ISOT
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.1	mg/L		0.1	SW846-8260
1,1,2-Trichloroethane	U	0.1	mg/L		0.1	SW846-8260
1,1-Dichloroethane	U	0.1	mg/L		0.1	SW846-8260
1,1-Dichloroethene	U	0.1	mg/L		0.1	SW846-8260
1,2-Dichloroethane	U	0.1	mg/L		0.1	SW846-8260
Benzene	U	0.1	mg/L		0.1	SW846-8260
Bromodichloromethane	U	0.1	mg/L		0.1	SW846-8260
Carbon tetrachloride	U	0.1	mg/L		0.1	SW846-8260
Chloroform	U	0.1	mg/L		0.1	SW846-8260
cis-1,2-Dichloroethene	UX	0.1	mg/L		0.1	SW846-8260
Ethylbenzene	U	0.1	mg/L		0.1	SW846-8260
Tetrachloroethene	U	0.1	mg/L		0.1	SW846-8260
Toluene	U	0.1	mg/L		0.1	SW846-8260
Total Xylene	U	0.3	mg/L		0.3	SW846-8260
trans-1,2-Dichloroethene	U	0.1	mg/L		0.1	SW846-8260
Trichloroethene	DX	1.8	mg/L		0.02	SW846-8260
Vinyl chloride	U	0.04	mg/L		0.04	SW846-8260

# Paducah-OREIS Data Report

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**MW333**

**19791**

**MW333SA3-04**

Collected: 6/7/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium	U	0.005	mg/L		0.005	ST7106-ISOT
<b>METEO</b>						
Barometric Pressure Reading		29.96	Inches/Hg			
<b>PHYSC</b>						
Conductivity		237	umho/cm			
Depth to Water		49.64	ft			
Dissolved Oxygen		2.69	mg/L			
pH		5.95	Std Unit			
Redox		336	mV			
Temperature		64.7	deg F			
Turbidity		15.8	NTU			
<b>RADS</b>						
Alpha activity	U	-0.231	pCi/L	0.17	4.41	EPA-900.0
Beta activity	U	-0.683	pCi/L	0.17	5.66	EPA-900.0
Dissolved Alpha	U	0.0959	pCi/L	0.07	8.18	EPA-900.0
Dissolved Beta	U	-1.7	pCi/L	0.43	11.7	EPA-900.0
Potassium-40	U	-92.7	pCi/L	185	49.4	RL-7124
Suspended Alpha	U	1.49	pCi/L	0.99	7.51	EPA-900.0
Suspended Beta	U	1.91	pCi/L	0.44	11.3	EPA-900.0
Technetium-99	U	-0.384	pCi/L	0	17.1	RL-7100
Thorium-228	U	-0.0333	pCi/L	0.02	0.21	RL-7120
Thorium-230	U	-0.167	pCi/L	0.06	0.61	RL-7120
Thorium-232	U	-0.0641	pCi/L	0.02	0.22	RL-7120
Thorium-234	U	-2.47	pCi/L	4.93	49	RL-7124
Uranium	U	40	pCi/L		40	ST7106-ISOT
Uranium-234	U	30	pCi/L		30	ST7106-ISOT
Uranium-235			NA			ST7106-ISOT
Uranium-235	U	2.2	pCi/L		2.2	ST7106-ISOT
Uranium-238	U	0.35	pCi/L		0.35	ST7106-ISOT
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.05	mg/L		0.05	SW846-8260
1,1,2-Trichloroethane	U	0.05	mg/L		0.05	SW846-8260
1,1-Dichloroethane	U	0.05	mg/L		0.05	SW846-8260
1,1-Dichloroethene	U	0.05	mg/L		0.05	SW846-8260
1,2-Dichloroethane	U	0.05	mg/L		0.05	SW846-8260
Benzene	U	0.05	mg/L		0.05	SW846-8260
Bromodichloromethane	U	0.05	mg/L		0.05	SW846-8260
Carbon tetrachloride	U	0.05	mg/L		0.05	SW846-8260
Chloroform	UX	0.05	mg/L		0.05	SW846-8260
cis-1,2-Dichloroethene	D	0.076	mg/L		0.05	SW846-8260
Ethylbenzene	U	0.05	mg/L		0.05	SW846-8260
Tetrachloroethene	U	0.05	mg/L		0.05	SW846-8260
Toluene	U	0.05	mg/L		0.05	SW846-8260
Total Xylene	U	0.15	mg/L		0.15	SW846-8260
trans-1,2-Dichloroethene	U	0.05	mg/L		0.05	SW846-8260
Trichloroethene	DX	0.75	mg/L		0.01	SW846-8260
Vinyl chloride	U	0.02	mg/L		0.02	SW846-8260

# Paducah-OREIS Data Report

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12/18/2007

**MW337**

**19791**

**MW337SA3-04**

Collected: 6/8/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Uranium	U	0.005	mg/L		0.005	ST7106-ISOT
Uranium	BU	0.001	mg/L		0.001	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		30.03	Inches/Hg			
<b>PHYSC</b>						
Conductivity		189	umho/cm			
Depth to Water		47.05	ft			
Dissolved Oxygen		4.74	mg/L			
pH		5.81	Std Unit			
Redox		413	mV			
Temperature		65.7	deg F			
Turbidity		11.3	NTU			
<b>RADS</b>						
Alpha activity	U	-1.26	pCi/L	0.45	4.25	EPA-900.0
Beta activity		111	pCi/L	7.45	5.6	EPA-900.0
Dissolved Alpha	U	2.22	pCi/L	0.94	5.61	EPA-900.0
Dissolved Beta		102	pCi/L	9.45	10.7	EPA-900.0
Potassium-40	U	-99.7	pCi/L	199	48.4	RL-7124
Suspended Alpha	U	0.833	pCi/L	0.68	5.28	EPA-900.0
Suspended Beta	U	0.746	pCi/L	0.17	10.3	EPA-900.0
Technetium-99		208	pCi/L	17.8	17.3	RL-7100
Thorium-228	U	-0.0695	pCi/L	0.08	0.24	RL-7120
Thorium-230	U	0.414	pCi/L	0.2	0.63	RL-7120
Thorium-232	U	-0.0046	pCi/L	0.05	0.26	RL-7120
Thorium-234	U	12.9	pCi/L	25.9	49	RL-7124
Uranium	U	40	pCi/L		40	ST7106-ISOT
Uranium-234	U	30	pCi/L		30	ST7106-ISOT
Uranium-235			wt %			ST7106-ISOT
Uranium-235	U	2.2	pCi/L		2.2	ST7106-ISOT
Uranium-238	U	0.35	pCi/L		0.35	ST7106-ISOT
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.025	mg/L		0.025	SW846-8260
1,1,2-Trichloroethane	U	0.025	mg/L		0.025	SW846-8260
1,1-Dichloroethane	U	0.025	mg/L		0.025	SW846-8260
1,1-Dichloroethene	U	0.025	mg/L		0.025	SW846-8260
1,2-Dichloroethane	U	0.025	mg/L		0.025	SW846-8260
Benzene	U	0.025	mg/L		0.025	SW846-8260
Bromodichloromethane	U	0.025	mg/L		0.025	SW846-8260
Carbon tetrachloride	U	0.025	mg/L		0.025	SW846-8260
Chloroform	UX	0.025	mg/L		0.025	SW846-8260
cis-1,2-Dichloroethene	UX	0.025	mg/L		0.025	SW846-8260
Ethylbenzene	U	0.025	mg/L		0.025	SW846-8260
Tetrachloroethene	U	0.025	mg/L		0.025	SW846-8260
Toluene	U	0.025	mg/L		0.025	SW846-8260
Total Xylene	U	0.075	mg/L		0.075	SW846-8260
trans-1,2-Dichloroethene	U	0.025	mg/L		0.025	SW846-8260
Trichloroethene	DX	0.18	mg/L		0.005	SW846-8260
Vinyl chloride	U	0.01	mg/L		0.01	SW846-8260



# Paducah-OREIS Data Report

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12/18/2007

**MW338**

**19791**

**MW338SA3-04**

Collected: 6/8/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Uranium	BU	0.001	mg/L		0.001	SW846-6020
Uranium	U	0.005	mg/L		0.005	ST7106-ISOT
<b>METEO</b>						
Barometric Pressure Reading		30.03	Inches/Hg			
<b>PHYSC</b>						
Conductivity		199	umho/cm			
Depth to Water		47.42	ft			
Dissolved Oxygen		5.51	mg/L			
pH		5.68	Std Unit			
Redox		349	mV			
Temperature		64.5	deg F			
Turbidity		23.1	NTU			
<b>RADS</b>						
Alpha activity	U	-1.41	pCi/L	1.63	4.4	EPA-900.0
Beta activity	U	0.409	pCi/L	0.09	5.65	EPA-900.0
Dissolved Alpha	U	2.69	pCi/L	1.7	5.64	EPA-900.0
Dissolved Beta	U	2.07	pCi/L	0.47	10.7	EPA-900.0
Potassium-40	U	-87.4	pCi/L	175	48.4	RL-7124
Suspended Alpha	U	2.28	pCi/L	1.52	5.27	EPA-900.0
Suspended Beta	U	-1.49	pCi/L	0.37	10.3	EPA-900.0
Technetium-99	U	9.88	pCi/L	11.9	17.3	RL-7100
Thorium-228	U	-0.0218	pCi/L	0.06	0.22	RL-7120
Thorium-230	U	-0.192	pCi/L	0.04	0.61	RL-7120
Thorium-232	U	-0.0531	pCi/L	0.05	0.24	RL-7120
Thorium-234	U	3.48	pCi/L	6.95	49.3	RL-7124
Uranium	U	40	pCi/L		40	ST7106-ISOT
Uranium-234	U	30	pCi/L		30	ST7106-ISOT
Uranium-235			wt %			ST7106-ISOT
Uranium-235	U	2.2	pCi/L		2.2	ST7106-ISOT
Uranium-238	U	0.35	pCi/L		0.35	ST7106-ISOT
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	UX	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene		0.022	mg/L		0.001	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260

# Paducah-OREIS Data Report

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12/18/2007

**MW339**

**19791**

**MW339SA3-04**

Collected: 6/30/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium	U	0.005	mg/L		0.005	ST7106-ISOT
<b>METEO</b>						
Barometric Pressure Reading		30.06	Inches/Hg			
<b>PHYSC</b>						
Conductivity		491	umho/cm			
Depth to Water		46.86	ft			
Dissolved Oxygen		3.55	mg/L			
pH		5.88	Std Unit			
Redox		516	mV			
Temperature		64	deg F			
Turbidity		49	NTU			
<b>RADS</b>						
Alpha activity		18.4	pCi/L	1.81	4.38	EPA-900.0
Beta activity		1450	pCi/L	28.6	6.01	EPA-900.0
Dissolved Alpha		41.5	pCi/L	6.22	8.45	EPA-900.0
Dissolved Beta		1150	pCi/L	36.4	12.2	EPA-900.0
Potassium-40	U	-13.4	pCi/L	26.8	44	RL-7124
Suspended Alpha	U	-0.465	pCi/L	0.53	6.35	EPA-900.0
Suspended Beta	U	-1.06	pCi/L	0.26	11	EPA-900.0
Technetium-99		2100	pCi/L	30.8	12.2	RL-7100
Thorium-228	U	-0.0079	pCi/L	0.03	0.16	RL-7120
Thorium-230	U	0.0393	pCi/L	0.1	0.74	RL-7120
Thorium-232	U	0.00036	pCi/L	0.03	0.15	RL-7120
Thorium-234	U	-17.1	pCi/L	34.3	33.9	RL-7124
Uranium	U	40	pCi/L		40	ST7106-ISOT
Uranium-234	U	30	pCi/L		30	ST7106-ISOT
Uranium-235			wt %			ST7106-ISOT
Uranium-235	U	2.2	pCi/L		2.2	ST7106-ISOT
Uranium-238	NU	0.35	pCi/L		0.35	ST7106-ISOT
<b>VOA</b>						
1,1,1-Trichloroethane	U	1	mg/L		1	SW846-8260
1,1,2-Trichloroethane	U	1	mg/L		1	SW846-8260
1,1-Dichloroethane	U	1	mg/L		1	SW846-8260
1,1-Dichloroethene	U	1	mg/L		1	SW846-8260
1,2-Dichloroethane	U	1	mg/L		1	SW846-8260
Benzene	U	1	mg/L		1	SW846-8260
Bromodichloromethane	U	1	mg/L		1	SW846-8260
Carbon tetrachloride	U	1	mg/L		1	SW846-8260
Chloroform	U	1	mg/L		1	SW846-8260
cis-1,2-Dichloroethene	U	1	mg/L		1	SW846-8260
Ethylbenzene	U	1	mg/L		1	SW846-8260
Tetrachloroethene	U	1	mg/L		1	SW846-8260
Toluene	U	1	mg/L		1	SW846-8260
Total Xylene	U	3	mg/L		3	SW846-8260
trans-1,2-Dichloroethene	U	1	mg/L		1	SW846-8260
Trichloroethene	DX	17	mg/L		0.2	SW846-8260
Vinyl chloride	U	0.4	mg/L		0.4	SW846-8260

# Paducah-OREIS Data Report

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12/18/2007

**MW340**

**19791**

**MW340SA3-04**

Collected: 6/29/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Uranium	U	0.005	mg/L		0.005	ST7106-ISOT
Uranium	U	0.001	mg/L		0.001	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		30.12	Inches/Hg			
<b>PHYSC</b>						
Conductivity		461	umho/cm			
Depth to Water		47.39	ft			
Dissolved Oxygen		5.3	mg/L			
pH		6.01	Std Unit			
Redox		283	mV			
Temperature		67.4	deg F			
Turbidity		246	NTU			
<b>RADS</b>						
Alpha activity		10.4	pCi/L	1.87	4.55	EPA-900.0
Beta activity		373	pCi/L	14.4	6.07	EPA-900.0
Dissolved Alpha		16.1	pCi/L	4.2	8.38	EPA-900.0
Dissolved Beta		318	pCi/L	18.7	12.2	EPA-900.0
Potassium-40	U	-22.2	pCi/L	44.4	43	RL-7124
Suspended Alpha	U	1.49	pCi/L	1.12	6.53	EPA-900.0
Suspended Beta	U	2.44	pCi/L	0.55	11.2	EPA-900.0
Technetium-99		554	pCi/L	24.4	17.4	RL-7100
Thorium-228		0.278	pCi/L	0.1	0.16	RL-7120
Thorium-230	U	0.0297	pCi/L	0.1	0.74	RL-7120
Thorium-232	U	0.139	pCi/L	0.08	0.15	RL-7120
Thorium-234	U	-29	pCi/L	58	33.6	RL-7124
Uranium	U	40	pCi/L		40	ST7106-ISOT
Uranium-234	U	30	pCi/L		30	ST7106-ISOT
Uranium-235	U	2.2	pCi/L		2.2	ST7106-ISOT
Uranium-235			wt %			ST7106-ISOT
Uranium-238	NU	0.35	pCi/L		0.35	ST7106-ISOT
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.1	mg/L		0.1	SW846-8260
1,1,2-Trichloroethane	U	0.1	mg/L		0.1	SW846-8260
1,1-Dichloroethane	U	0.1	mg/L		0.1	SW846-8260
1,1-Dichloroethene	U	0.1	mg/L		0.1	SW846-8260
1,2-Dichloroethane	U	0.1	mg/L		0.1	SW846-8260
Benzene	U	0.1	mg/L		0.1	SW846-8260
Bromodichloromethane	U	0.1	mg/L		0.1	SW846-8260
Carbon tetrachloride	U	0.1	mg/L		0.1	SW846-8260
Chloroform	U	0.1	mg/L		0.1	SW846-8260
cis-1,2-Dichloroethene	U	0.1	mg/L		0.1	SW846-8260
Ethylbenzene	U	0.1	mg/L		0.1	SW846-8260
Tetrachloroethene	U	0.1	mg/L		0.1	SW846-8260
Toluene	U	0.1	mg/L		0.1	SW846-8260
Total Xylene	U	0.3	mg/L		0.3	SW846-8260
trans-1,2-Dichloroethene	U	0.1	mg/L		0.1	SW846-8260
Trichloroethene	DX	1.8	mg/L		0.02	SW846-8260
Vinyl chloride	U	0.04	mg/L		0.04	SW846-8260

# Paducah-OREIS Data Report

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12/18/2007

**MW63**

**19791**

**MW63SA3-04**

Collected: 6/3/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium	U	0.005	mg/L		0.005	ST7106-ISOT
<b>METEO</b>						
Barometric Pressure Reading		30.03	Inches/Hg			
<b>PHYSC</b>						
Conductivity		256	umho/cm			
Depth to Water		45.95	ft			
Dissolved Oxygen		2.7	mg/L			
pH		6.22	Std Unit			
Redox		193	mV			
Temperature		61.9	deg F			
Turbidity		16.1	NTU			
<b>RADS</b>						
Alpha activity	U	0.496	pCi/L	0.37	3.21	EPA-900.0
Beta activity	U	4.46	pCi/L	0.94	5.08	EPA-900.0
Dissolved Alpha	U	1.46	pCi/L	1.03	8.25	EPA-900.0
Dissolved Beta	U	-5.13	pCi/L	1.45	11.7	EPA-900.0
Potassium-40	U	-99.4	pCi/L	199	50	RL-7124
Suspended Alpha	U	-0.523	pCi/L	0.46	7.39	EPA-900.0
Suspended Beta	U	0	pCi/L	0	11.1	EPA-900.0
Technetium-99	U	-0.658	pCi/L	0	17.1	RL-7100
Thorium-228	U	0.0442	pCi/L	0.06	0.24	RL-7120
Thorium-230	U	-0.0266	pCi/L	0.13	0.63	RL-7120
Thorium-232	U	-0.0858	pCi/L	0.06	0.25	RL-7120
Thorium-234	U	28.6	pCi/L	57.2	49.7	RL-7124
Uranium	U	40	pCi/L		40	ST7106-ISOT
Uranium-234	U	30	pCi/L		30	ST7106-ISOT
Uranium-235			NA			ST7106-ISOT
Uranium-235	U	2.2	pCi/L		2.2	ST7106-ISOT
Uranium-238	U	0.35	pCi/L		0.35	ST7106-ISOT
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene		0.007	mg/L		0.001	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260

# Paducah-OREIS Data Report

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**MW63**

**19791**

**MW63DSA3-04**

Collected: 6/3/2004

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Uranium	U	0.005	mg/L		0.005	ST7106-ISOT
Uranium	U	0.001	mg/L		0.001	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		30.03	Inches/Hg			
<b>PHYSC</b>						
Conductivity		256	umho/cm			
Depth to Water		45.95	ft			
Dissolved Oxygen		2.7	mg/L			
pH		6.22	Std Unit			
Redox		193	mV			
Temperature		61.9	deg F			
Turbidity		16.1	NTU			
<b>RADS</b>						
Alpha activity	U	1.47	pCi/L	0.88	3.15	EPA-900.0
Beta activity		5.38	pCi/L	1.1	5.05	EPA-900.0
Dissolved Alpha	U	-0.625	pCi/L	0.55	8.37	EPA-900.0
Dissolved Beta	U	0.573	pCi/L	0.13	11.8	EPA-900.0
Potassium-40	U	-92.6	pCi/L	185	50	RL-7124
Suspended Alpha	U	0.0868	pCi/L	0.07	7.4	EPA-900.0
Suspended Beta	U	-1.62	pCi/L	0.41	11.1	EPA-900.0
Technetium-99	U	-1.86	pCi/L	0	17.1	RL-7100
Thorium-228	U	0.0431	pCi/L	0.09	0.25	RL-7120
Thorium-230	U	-0.129	pCi/L	0.13	0.63	RL-7120
Thorium-232	U	-0.0372	pCi/L	0.05	0.25	RL-7120
Thorium-234	U	51.7	pCi/L	103	48.2	RL-7124
Uranium	U	40	pCi/L		40	ST7106-ISOT
Uranium-234	U	30	pCi/L		30	ST7106-ISOT
Uranium-235	U	2.2	pCi/L		2.2	ST7106-ISOT
Uranium-235			NA			ST7106-ISOT
Uranium-238	U	0.35	pCi/L		0.35	ST7106-ISOT
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene		0.007	mg/L		0.001	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260

# Paducah-OREIS Data Report

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12/18/2007

**MW65**

**19791**

**MW65SA3-04**

Collected: 6/3/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium	U	0.005	mg/L		0.005	ST7106-ISOT
<b>METEO</b>						
Barometric Pressure Reading		30.03	Inches/Hg			
<b>PHYSC</b>						
Conductivity		204	umho/cm			
Depth to Water		45.95	ft			
Dissolved Oxygen		3.68	mg/L			
pH		6.12	Std Unit			
Redox		351	mV			
Temperature		61.9	deg F			
Turbidity		19.4	NTU			
<b>RADS</b>						
Alpha activity	U	2.4	pCi/L	1.13	2.99	EPA-900.0
Beta activity		16.6	pCi/L	2.46	4.98	EPA-900.0
Dissolved Alpha	U	-1.84	pCi/L	1.84	8	EPA-900.0
Dissolved Beta		12.7	pCi/L	2.39	11.6	EPA-900.0
Potassium-40	U	-101	pCi/L	202	50	RL-7124
Suspended Alpha	U	-0.421	pCi/L	0.37	7.36	EPA-900.0
Suspended Beta	U	-1.88	pCi/L	0.48	11.1	EPA-900.0
Technetium-99		26.5	pCi/L	12.2	16.8	RL-7100
Thorium-228	U	-0.0228	pCi/L	0.03	0.22	RL-7120
Thorium-230	U	0.12	pCi/L	0.14	0.61	RL-7120
Thorium-232	U	-0.0656	pCi/L	0.02	0.23	RL-7120
Thorium-234	U	5.57	pCi/L	11.1	49.9	RL-7124
Uranium	U	40	pCi/L		40	ST7106-ISOT
Uranium-234	U	30	pCi/L		30	ST7106-ISOT
Uranium-235		NA				ST7106-ISOT
Uranium-235	U	2.2	pCi/L		2.2	ST7106-ISOT
Uranium-238	U	0.35	pCi/L		0.35	ST7106-ISOT
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	UX	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	UX	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene		0.064	mg/L		0.001	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260

# Paducah-OREIS Data Report

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12/18/2007

**MW66**

**19817**

**MW66M12-04**

Collected: 12/16/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METEO</b>						
Barometric Pressure Reading		30.47	Inches/Hg			
<b>PHYSC</b>						
Conductivity		268	umho/cm			
Depth to Water		47.2	ft			
Dissolved Oxygen		5.94	mg/L			
pH		5.99	Std Unit			
Redox		280	mV			
Temperature		57.7	deg F			
Turbidity		4.9	NTU			
<b>RADS</b>						
Alpha activity	D	26.7	pCi/L	3.29	3.7	SW846-9310
Beta activity		752	pCi/L	19.1	3.94	SW846-9310
Technetium-99		1100	pCi/L	32.1	17.2	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.5	mg/L		0.5	SW846-8260
1,1,2-Trichloroethane	U	0.5	mg/L		0.5	SW846-8260
1,1-Dichloroethane	U	0.5	mg/L		0.5	SW846-8260
1,1-Dichloroethene	U	0.5	mg/L		0.5	SW846-8260
1,2-Dichloroethane	U	0.5	mg/L		0.5	SW846-8260
Benzene	U	0.5	mg/L		0.5	SW846-8260
Bromodichloromethane	U	0.5	mg/L		0.5	SW846-8260
Carbon tetrachloride	U	0.5	mg/L		0.5	SW846-8260
Chloroform	U	0.5	mg/L		0.5	SW846-8260
cis-1,2-Dichloroethene	U	0.5	mg/L		0.5	SW846-8260
Ethylbenzene	U	0.5	mg/L		0.5	SW846-8260
Tetrachloroethene	U	0.5	mg/L		0.5	SW846-8260
Toluene	U	0.5	mg/L		0.5	SW846-8260
Total Xylene	U	1.5	mg/L		1.5	SW846-8260
trans-1,2-Dichloroethene	U	0.5	mg/L		0.5	SW846-8260
Trichloroethene	D	3.9	mg/L		0.1	SW846-8260
Vinyl chloride	U	0.2	mg/L		0.2	SW846-8260

# Paducah-OREIS Data Report

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12/18/2007

**MW226**

**19935**

**MW226C4041-05**

Collected: 1/24/2005

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Arsenic		0.00195	mg/L		0.001	SW846-6020
Arsenic, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Cadmium, Dissolved	BU	0.001	mg/L		0.001	SW846-6020
Chromium		0.119	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Lead	U	0.005	mg/L		0.005	SW846-6020
Lead, Dissolved	U	0.005	mg/L		0.005	SW846-6020
Mercury	UW	0.0002	mg/L		0.0002	SW846-7470
Mercury, Dissolved	U	0.0002	mg/L		0.0002	SW846-7470
Selenium		0.00774	mg/L		0.005	SW846-6020
Selenium, Dissolved	U	0.005	mg/L		0.005	SW846-6020
Uranium	BU	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	BU	0.001	mg/L		0.001	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		30.36	Inches/Hg			
<b>PHYSC</b>						
Conductivity		370	umho/cm			
Depth to Water		52.17	ft			
Dissolved Oxygen		1.09	mg/L			
pH		6.13	Std Unit			
Redox		157	mV			
Temperature		57.7	deg F			
Turbidity		43.9	NTU			
<b>RADS</b>						
Technetium-99		134	pCi/L	14.5	15.4	RL-7100
Uranium-234	U	0.0357	pCi/L	0.06	0.67	RL-7128
Uranium-235	U	0.0147	pCi/L	0.02	0.13	RL-7128
Uranium-238	U	-0.0135	pCi/L	0.04	0.34	RL-7128
<b>VOA</b>						
Trichloroethene	D	0.44	mg/L		0.005	SW846-8260



# Paducah-OREIS Data Report

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**MW227**

**19935**

**MW227C4041-05**

Collected: 1/24/2005

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Arsenic	U	0.01	mg/L		0.01	SW846-6020
Arsenic, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Cadmium, Dissolved	BU	0.001	mg/L		0.001	SW846-6020
Chromium		0.621	mg/L		0.2	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Lead	B	0.00661	mg/L		0.005	SW846-6020
Lead, Dissolved	U	0.005	mg/L		0.005	SW846-6020
Mercury	UW	0.0002	mg/L		0.0002	SW846-7470
Mercury, Dissolved	U	0.0002	mg/L		0.0002	SW846-7470
Selenium	U	0.005	mg/L		0.005	SW846-6020
Selenium, Dissolved	U	0.005	mg/L		0.005	SW846-6020
Uranium	BU	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	BU	0.001	mg/L		0.001	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		30.36	Inches/Hg			
<b>PHYSC</b>						
Conductivity		277	umho/cm			
Depth to Water		52.2	ft			
Dissolved Oxygen		6.7	mg/L			
pH		6.4	Std Unit			
Redox		175	mV			
Temperature		58.3	deg F			
Turbidity		213	NTU			
<b>RADS</b>						
Technetium-99		22.8	pCi/L	11.2	15.4	RL-7100
Uranium-234	U	0.348	pCi/L	0.1	0.67	RL-7128
Uranium-235	U	-0.0287	pCi/L	0.03	0.12	RL-7128
Uranium-238	U	0.122	pCi/L	0.06	0.33	RL-7128
<b>VOA</b>						
Trichloroethene		0.076	mg/L		0.001	SW846-8260

# Paducah-OREIS Data Report

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**MW84**

**19935**

**MW84C4041-05**

Collected: 1/24/2005

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Arsenic		0.00319	mg/L		0.001	SW846-6020
Arsenic, Dissolved		0.00265	mg/L		0.001	SW846-6020
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Cadmium, Dissolved	BU	0.001	mg/L		0.001	SW846-6020
Chromium	U	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Lead	U	0.005	mg/L		0.005	SW846-6020
Lead, Dissolved	U	0.005	mg/L		0.005	SW846-6020
Mercury	UW	0.0002	mg/L		0.0002	SW846-7470
Mercury, Dissolved	U	0.0002	mg/L		0.0002	SW846-7470
Selenium	U	0.005	mg/L		0.005	SW846-6020
Selenium, Dissolved	U	0.005	mg/L		0.005	SW846-6020
Uranium	BU	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	BU	0.001	mg/L		0.001	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		30.36	Inches/Hg			
<b>PHYSC</b>						
Conductivity		234	umho/cm			
Depth to Water		51.3	ft			
Dissolved Oxygen		1.93	mg/L			
pH		6.3	Std Unit			
Redox		186	mV			
Temperature		58.6	deg F			
Turbidity		0	NTU			
<b>RADS</b>						
Technetium-99		385	pCi/L	20.1	15.4	RL-7100
Uranium-234	U	-0.031	pCi/L	0.04	0.67	RL-7128
Uranium-235	U	-0.0222	pCi/L	0.03	0.13	RL-7128
Uranium-238	U	0.0388	pCi/L	0.04	0.33	RL-7128
<b>VOA</b>						
Trichloroethene	D	0.16	mg/L		0.002	SW846-8260

# Paducah-OREIS Data Report

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**MW85**

**19935**

**MW85C4041-05**

Collected: 1/24/2005

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Arsenic		0.0107	mg/L		0.001	SW846-6020
Arsenic, Dissolved		0.0109	mg/L		0.001	SW846-6020
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Cadmium, Dissolved	BU	0.001	mg/L		0.001	SW846-6020
Chromium	U	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Lead	U	0.005	mg/L		0.005	SW846-6020
Lead, Dissolved	U	0.005	mg/L		0.005	SW846-6020
Mercury	UW	0.0002	mg/L		0.0002	SW846-7470
Mercury, Dissolved	U	0.0002	mg/L		0.0002	SW846-7470
Selenium	U	0.005	mg/L		0.005	SW846-6020
Selenium, Dissolved	U	0.005	mg/L		0.005	SW846-6020
Uranium	B	0.0197	mg/L		0.001	SW846-6020
Uranium, Dissolved	B	0.0168	mg/L		0.001	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		30.36	Inches/Hg			
<b>PHYSC</b>						
Conductivity		400	umho/cm			
Depth to Water		12.41	ft			
Dissolved Oxygen		2.64	mg/L			
pH		6.59	Std Unit			
Redox		198	mV			
Temperature		59.1	deg F			
Turbidity		11.7	NTU			
<b>RADS</b>						
Technetium-99		162	pCi/L	15.2	15.4	RL-7100
Uranium-234		0.957	pCi/L	0.15	0.66	RL-7128
Uranium-235		0.136	pCi/L	0.06	0.12	RL-7128
Uranium-238		5.95	pCi/L	0.36	0.32	RL-7128
<b>VOA</b>						
Trichloroethene	U	0.001	mg/L		0.001	SW846-8260

# Paducah-OREIS Data Report

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**MW86**

**19935**

**MW86C4041-05**

Collected: 1/25/2005

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Arsenic		0.00399	mg/L		0.001	SW846-6020
Arsenic, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Cadmium, Dissolved	BU	0.001	mg/L		0.001	SW846-6020
Chromium	U	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Lead	BU	0.005	mg/L		0.005	SW846-6020
Lead, Dissolved	U	0.005	mg/L		0.005	SW846-6020
Mercury	UW	0.0002	mg/L		0.0002	SW846-7470
Mercury, Dissolved	U	0.0002	mg/L		0.0002	SW846-7470
Selenium	U	0.005	mg/L		0.005	SW846-6020
Selenium, Dissolved	U	0.005	mg/L		0.005	SW846-6020
Uranium	B	0.00153	mg/L		0.001	SW846-6020
Uranium, Dissolved	BU	0.001	mg/L		0.001	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		30.06	Inches/Hg			
<b>PHYSC</b>						
Conductivity		232	umho/cm			
Depth to Water		49.09	ft			
Dissolved Oxygen		1.99	mg/L			
pH		6.6	Std Unit			
Redox		175	mV			
Temperature		54.2	deg F			
Turbidity		178	NTU			
<b>RADS</b>						
Technetium-99	U	5.25	pCi/L	10.5	15.4	RL-7100
Uranium-234	U	0.149	pCi/L	0.08	0.67	RL-7128
Uranium-235	U	0.00088	pCi/L	0.03	0.12	RL-7128
Uranium-238		0.445	pCi/L	0.1	0.33	RL-7128
<b>VOA</b>						
Trichloroethene		0.12	mg/L		0.001	SW846-8260

# Paducah-OREIS Data Report

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**MW87**

**19935**

**MW87C4041-05**

Collected: 1/25/2005

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Arsenic	U	0.001	mg/L		0.001	SW846-6020
Arsenic, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Cadmium, Dissolved	BU	0.001	mg/L		0.001	SW846-6020
Chromium	U	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Lead	U	0.005	mg/L		0.005	SW846-6020
Lead, Dissolved	U	0.005	mg/L		0.005	SW846-6020
Mercury	UW	0.0002	mg/L		0.0002	SW846-7470
Mercury, Dissolved	U	0.0002	mg/L		0.0002	SW846-7470
Selenium	U	0.005	mg/L		0.005	SW846-6020
Selenium, Dissolved	U	0.005	mg/L		0.005	SW846-6020
Uranium	BU	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	BU	0.001	mg/L		0.001	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		30.06	Inches/Hg			
<b>PHYSC</b>						
Conductivity		303	umho/cm			
Depth to Water		49.07	ft			
Dissolved Oxygen		2.32	mg/L			
pH		6.7	Std Unit			
Redox		143	mV			
Temperature		53.7	deg F			
Turbidity		3.3	NTU			
<b>RADS</b>						
Technetium-99	U	0.303	pCi/L	10	15.4	RL-7100
Uranium-234	U	0.204	pCi/L	0.08	0.67	RL-7128
Uranium-235	U	0.0402	pCi/L	0.04	0.12	RL-7128
Uranium-238	U	0.0417	pCi/L	0.04	0.33	RL-7128
<b>VOA</b>						
Trichloroethene		0.019	mg/L		0.001	SW846-8260

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**MW88**

**19935**

**MW88C4041-05**

Collected: 1/25/2005

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Arsenic		0.00274	mg/L		0.001	SW846-6020
Arsenic, Dissolved		0.00228	mg/L		0.001	SW846-6020
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Cadmium, Dissolved	BU	0.001	mg/L		0.001	SW846-6020
Chromium	U	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Lead	U	0.005	mg/L		0.005	SW846-6020
Lead, Dissolved	U	0.005	mg/L		0.005	SW846-6020
Mercury	UW	0.0002	mg/L		0.0002	SW846-7470
Mercury, Dissolved	U	0.0002	mg/L		0.0002	SW846-7470
Selenium	U	0.005	mg/L		0.005	SW846-6020
Selenium, Dissolved	U	0.005	mg/L		0.005	SW846-6020
Uranium	BU	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	BU	0.001	mg/L		0.001	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		30.06	Inches/Hg			
<b>PHYSC</b>						
Conductivity		568	umho/cm			
Depth to Water		12.61	ft			
Dissolved Oxygen		1.64	mg/L			
pH		6.2	Std Unit			
Redox		162	mV			
Temperature		53.7	deg F			
Turbidity		23.8	NTU			
<b>RADS</b>						
Technetium-99		33.4	pCi/L	11.5	15.4	RL-7100
Uranium-234	U	0.0815	pCi/L	0.06	0.67	RL-7128
Uranium-235	U	0.00796	pCi/L	0.02	0.12	RL-7128
Uranium-238	U	0.0832	pCi/L	0.04	0.33	RL-7128
<b>VOA</b>						
Trichloroethene		0.0037	mg/L		0.001	SW846-8260

# Paducah-OREIS Data Report

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**MW89**

**19935**

**MW89C4041-05**

Collected: 1/25/2005

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Arsenic	U	0.001	mg/L		0.001	SW846-6020
Arsenic, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Cadmium, Dissolved	BU	0.001	mg/L		0.001	SW846-6020
Chromium	U	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Lead	U	0.005	mg/L		0.005	SW846-6020
Lead, Dissolved	U	0.005	mg/L		0.005	SW846-6020
Mercury	UW	0.0002	mg/L		0.0002	SW846-7470
Mercury, Dissolved	U	0.0002	mg/L		0.0002	SW846-7470
Selenium	U	0.005	mg/L		0.005	SW846-6020
Selenium, Dissolved	U	0.005	mg/L		0.005	SW846-6020
Uranium	BU	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	BU	0.001	mg/L		0.001	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		30.06	Inches/Hg			
<b>PHYSC</b>						
Conductivity		190	umho/cm			
Depth to Water		52.34	ft			
Dissolved Oxygen		1.58	mg/L			
pH		6.3	Std Unit			
Redox		171	mV			
Temperature		56	deg F			
Turbidity		12.6	NTU			
<b>RADS</b>						
Technetium-99	U	6.06	pCi/L	10.6	15.4	RL-7100
Uranium-234	U	0.00857	pCi/L	0.05	0.67	RL-7128
Uranium-235	U	-0.0282	pCi/L	0.02	0.12	RL-7128
Uranium-238	U	0.0206	pCi/L	0.03	0.33	RL-7128
<b>VOA</b>						
Trichloroethene	U	0.001	mg/L		0.001	SW846-8260

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**MW90A**

**19935**

**MW90AC4041-05**

Collected: 1/24/2005

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Arsenic		0.00103	mg/L		0.001	SW846-6020
Arsenic, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Cadmium, Dissolved	BU	0.001	mg/L		0.001	SW846-6020
Chromium	U	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Lead	U	0.005	mg/L		0.005	SW846-6020
Lead, Dissolved	U	0.005	mg/L		0.005	SW846-6020
Mercury	UW	0.0002	mg/L		0.0002	SW846-7470
Mercury, Dissolved	U	0.0002	mg/L		0.0002	SW846-7470
Selenium	U	0.005	mg/L		0.005	SW846-6020
Selenium, Dissolved	U	0.005	mg/L		0.005	SW846-6020
Uranium	BU	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	BU	0.001	mg/L		0.001	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		30.36	Inches/Hg			
<b>PHYSC</b>						
Conductivity		296	umho/cm			
Depth to Water		47.69	ft			
Dissolved Oxygen		1.54	mg/L			
pH		6.3	Std Unit			
Redox		225	mV			
Temperature		55.5	deg F			
Turbidity		6	NTU			
<b>RADS</b>						
Technetium-99	U	8.28	pCi/L	10.7	15.4	RL-7100
Uranium-234	U	-0.0159	pCi/L	0.05	0.67	RL-7128
Uranium-235	U	-0.0067	pCi/L	0	0.12	RL-7128
Uranium-238	U	-0.0092	pCi/L	0.02	0.33	RL-7128
<b>VOA</b>						
Trichloroethene		0.0024	mg/L		0.001	SW846-8260



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**MW91**

**19935**

**MW91C4041-05**

Collected: 1/24/2005

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Arsenic		0.00389	mg/L		0.001	SW846-6020
Arsenic, Dissolved		0.00193	mg/L		0.001	SW846-6020
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Cadmium, Dissolved	BU	0.001	mg/L		0.001	SW846-6020
Chromium		0.265	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Lead	U	0.005	mg/L		0.005	SW846-6020
Lead, Dissolved	U	0.005	mg/L		0.005	SW846-6020
Mercury	UW	0.0002	mg/L		0.0002	SW846-7470
Mercury, Dissolved	U	0.0002	mg/L		0.0002	SW846-7470
Selenium		0.0143	mg/L		0.005	SW846-6020
Selenium, Dissolved		0.00546	mg/L		0.005	SW846-6020
Uranium	BU	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	BU	0.001	mg/L		0.001	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		30.36	Inches/Hg			
<b>PHYSC</b>						
Conductivity		490	umho/cm			
Depth to Water		12.04	ft			
Dissolved Oxygen		2.75	mg/L			
pH		6	Std Unit			
Redox		267	mV			
Temperature		56.5	deg F			
Turbidity		56.4	NTU			
<b>RADS</b>						
Technetium-99		522	pCi/L	22.5	15.4	RL-7100
Uranium-234	U	0.0511	pCi/L	0.06	0.67	RL-7128
Uranium-235	U	-0.0143	pCi/L	0.01	0.12	RL-7128
Uranium-238	U	0.0688	pCi/L	0.05	0.33	RL-7128
<b>VOA</b>						
Trichloroethene		0.069	mg/L		0.001	SW846-8260

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**MW92**

**19935**

**MW92C4041-05**

Collected: 1/24/2005

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Arsenic	U	0.001	mg/L		0.001	SW846-6020
Arsenic, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Cadmium, Dissolved	BU	0.001	mg/L		0.001	SW846-6020
Chromium	U	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Lead	U	0.005	mg/L		0.005	SW846-6020
Lead, Dissolved	U	0.005	mg/L		0.005	SW846-6020
Mercury	UW	0.0002	mg/L		0.0002	SW846-7470
Mercury, Dissolved	U	0.0002	mg/L		0.0002	SW846-7470
Selenium	U	0.005	mg/L		0.005	SW846-6020
Selenium, Dissolved	U	0.005	mg/L		0.005	SW846-6020
Uranium	BU	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	BU	0.001	mg/L		0.001	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		30.36	Inches/Hg			
<b>PHYSC</b>						
Conductivity		152	umho/cm			
Depth to Water		47.94	ft			
Dissolved Oxygen		1.1	mg/L			
pH		5.8	Std Unit			
Redox		271	mV			
Temperature		58	deg F			
Turbidity		9.6	NTU			
<b>RADS</b>						
Technetium-99	U	5.9	pCi/L	10.6	15.4	RL-7100
Uranium-234	U	0.0638	pCi/L	0.06	0.67	RL-7128
Uranium-235	U	0.00212	pCi/L	0.01	0.12	RL-7128
Uranium-238	U	0.0223	pCi/L	0.04	0.33	RL-7128
<b>VOA</b>						
Trichloroethene	U	0.001	mg/L		0.001	SW846-8260

# Paducah-OREIS Data Report

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12/18/2007

**MW93**

**19935**

**MW93C4041-05**

Collected: 1/24/2005

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Arsenic		0.00146	mg/L		0.001	SW846-6020
Arsenic, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Cadmium, Dissolved	BU	0.001	mg/L		0.001	SW846-6020
Chromium	U	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Lead	U	0.005	mg/L		0.005	SW846-6020
Lead, Dissolved	U	0.005	mg/L		0.005	SW846-6020
Mercury	UW	0.0002	mg/L		0.0002	SW846-7470
Mercury, Dissolved	U	0.0002	mg/L		0.0002	SW846-7470
Selenium		0.00531	mg/L		0.005	SW846-6020
Selenium, Dissolved	U	0.005	mg/L		0.005	SW846-6020
Uranium	BU	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	BU	0.001	mg/L		0.001	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		30.36	Inches/Hg			
<b>PHYSC</b>						
Conductivity		242	umho/cm			
Depth to Water		51.05	ft			
Dissolved Oxygen		1.67	mg/L			
pH		6.1	Std Unit			
Redox		266	mV			
Temperature		55.7	deg F			
Turbidity		10.1	NTU			
<b>RADS</b>						
Technetium-99	U	8.68	pCi/L	10.7	15.4	RL-7100
Uranium-234	U	-0.0067	pCi/L	0.04	0.66	RL-7128
Uranium-235	U	-0.0064	pCi/L	0.01	0.12	RL-7128
Uranium-238	U	0.0019	pCi/L	0.03	0.33	RL-7128
<b>VOA</b>						
Trichloroethene	D	0.2	mg/L		0.005	SW846-8260

# Paducah-OREIS Data Report

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**MW94**

**19935**

**MW94C4041-05**

Collected: 1/24/2005

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Arsenic		0.00329	mg/L		0.001	SW846-6020
Arsenic, Dissolved		0.0025	mg/L		0.001	SW846-6020
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Cadmium, Dissolved	BU	0.001	mg/L		0.001	SW846-6020
Chromium	U	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Lead	U	0.005	mg/L		0.005	SW846-6020
Lead, Dissolved	U	0.005	mg/L		0.005	SW846-6020
Mercury	UW	0.0002	mg/L		0.0002	SW846-7470
Mercury, Dissolved	U	0.0002	mg/L		0.0002	SW846-7470
Selenium		0.00797	mg/L		0.005	SW846-6020
Selenium, Dissolved	U	0.005	mg/L		0.005	SW846-6020
Uranium	B	0.00376	mg/L		0.001	SW846-6020
Uranium, Dissolved	B	0.00306	mg/L		0.001	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		30.36	Inches/Hg			
<b>PHYSC</b>						
Conductivity		1195	umho/cm			
Depth to Water		14.69	ft			
Dissolved Oxygen		2.28	mg/L			
pH		6.4	Std Unit			
Redox		259	mV			
Temperature		51.6	deg F			
Turbidity		123	NTU			
<b>RADS</b>						
Technetium-99		372	pCi/L	19.9	15.4	RL-7100
Uranium-234		1.3	pCi/L	0.19	0.67	RL-7128
Uranium-235	U	0.0868	pCi/L	0.06	0.12	RL-7128
Uranium-238		1.22	pCi/L	0.18	0.33	RL-7128
<b>VOA</b>						
Trichloroethene		0.012	mg/L		0.001	SW846-8260

# Paducah-OREIS Data Report

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**MW95A**

**19935**

**MW95AC4041-05**

Collected: 1/24/2005

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Arsenic		0.00141	mg/L		0.001	SW846-6020
Arsenic, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Cadmium, Dissolved	BU	0.001	mg/L		0.001	SW846-6020
Chromium	U	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Lead	U	0.005	mg/L		0.005	SW846-6020
Lead, Dissolved	U	0.005	mg/L		0.005	SW846-6020
Mercury	UW	0.0002	mg/L		0.0002	SW846-7470
Mercury, Dissolved	U	0.0002	mg/L		0.0002	SW846-7470
Selenium		0.00572	mg/L		0.005	SW846-6020
Selenium, Dissolved	U	0.005	mg/L		0.005	SW846-6020
Uranium	BU	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	BU	0.001	mg/L		0.001	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		30.36	Inches/Hg			
<b>PHYSC</b>						
Conductivity		258	umho/cm			
Depth to Water		50.51	ft			
Dissolved Oxygen		1.59	mg/L			
pH		6	Std Unit			
Redox		252	mV			
Temperature		53.1	deg F			
Turbidity		2.8	NTU			
<b>RADS</b>						
Technetium-99		22	pCi/L	11.2	15.4	RL-7100
Uranium-234	U	0.0027	pCi/L	0.04	0.67	RL-7128
Uranium-235	U	0.00085	pCi/L	0.01	0.12	RL-7128
Uranium-238	U	0.0156	pCi/L	0.03	0.33	RL-7128
<b>VOA</b>						
Trichloroethene		0.11	mg/L		0.001	SW846-8260

# Paducah-OREIS Data Report

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**MW95A**

**19935**

**MW95DC4041-05**

Collected: 1/24/2005

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Arsenic		0.00151	mg/L		0.001	SW846-6020
Arsenic, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Cadmium, Dissolved	BU	0.001	mg/L		0.001	SW846-6020
Chromium	U	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Lead	U	0.005	mg/L		0.005	SW846-6020
Lead, Dissolved	U	0.005	mg/L		0.005	SW846-6020
Mercury	UW	0.0002	mg/L		0.0002	SW846-7470
Mercury, Dissolved	U	0.0002	mg/L		0.0002	SW846-7470
Selenium		0.00607	mg/L		0.005	SW846-6020
Selenium, Dissolved	U	0.005	mg/L		0.005	SW846-6020
Uranium	BU	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	BU	0.001	mg/L		0.001	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		30.36	Inches/Hg			
<b>PHYSC</b>						
Conductivity		258	umho/cm			
Depth to Water		50.51	ft			
Dissolved Oxygen		1.59	mg/L			
pH		6	Std Unit			
Redox		252	mV			
Temperature		53.1	deg F			
Turbidity		2.8	NTU			
<b>RADS</b>						
Technetium-99		19.1	pCi/L	11	15.4	RL-7100
Uranium-234	U	-0.03	pCi/L	0.03	0.66	RL-7128
Uranium-235	U	0.00026	pCi/L	0.01	0.12	RL-7128
Uranium-238	U	0.0133	pCi/L	0.04	0.33	RL-7128
<b>VOA</b>						
Trichloroethene		0.095	mg/L		0.001	SW846-8260

# Paducah-OREIS Data Report

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**MW369**

**19954**

**MW369UG2-05**

Collected: 1/12/2005

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		48	mg/L		2	SW846-9056
Fluoride		0.19	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		16	mg/L		5	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic	X	0.00546	mg/L		0.001	SW846-6020
Barium		0.411	mg/L		0.005	SW846-6020
Barium, Dissolved		0.412	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	JU	0.2	mg/L		0.2	SW846-6010A
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		27.3	mg/L		1	SW846-6010A
Chromium	U	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Cobalt		0.0557	mg/L		0.001	SW846-6020
Copper	BU	0.02	mg/L		0.02	SW846-6020
Iron		6.4	mg/L		0.1	SW846-6010A
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		11.5	mg/L		0.02	SW846-6010A
Manganese		0.62	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel		0.00598	mg/L		0.005	SW846-6020
Potassium		1.16	mg/L		0.2	SW846-6010A
Rhodium	BU	0.005	mg/L		0.005	SW846-6020
Selenium		0.00571	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		48.9	mg/L		1	SW846-6010A
Tantalum	BU	0.005	mg/L		0.005	SW846-6020
Thallium	BJU	0.002	mg/L		0.002	SW846-6020
Uranium	BU	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	BU	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	UX	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.88	Inches/Hg			
<b>PHYSC</b>						
Conductivity		449	umho/cm			
Depth to Water		38.84	ft			
Dissolved Oxygen		1.18	mg/L			
Dissolved Solids		243	mg/L		50	EPA-160.1
pH		6.19	Std Unit			
Redox		105	mV			
Suspended Solids	U	25	mg/L		25	EPA-160.2
Temperature		61	deg F			
Total Solids		267	mg/L		100	EPA-160.3

**MW369****19954**

Turbidity		6.3	NTU			
<b>RADS</b>						
Alpha activity	U	0.808	pCi/L	0.51	5.07	SW846-9310
Beta activity		13.6	pCi/L	2.36	5.26	SW846-9310
Iodine-131	U	1.61	pCi/L	3.21	15.5	RL-7124
Radium	U	0.145	pCi/L	0.12	0.76	RL-7113
Radium-224	U	0.0262	pCi/L	0.04	0.12	RL-7129
Radium-226		0.184	pCi/L	0.11	0.09	RL-7129
Radium-228	U	0.64	pCi/L	0.13	1.94	RL-7129
Strontium-90	U	0.343	pCi/L	0.05	2.92	RL-7140
Technetium-99	U	-11.9	pCi/L	0	18.6	RL-7100
Thorium-230	U	0.0362	pCi/L	0.05	0.66	RL-7128
Tritium	U	136	pCi/L	177	292	704R7
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JUY	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	U	0.01	mg/L		0.01	SW846-8260
Acrolein	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	JU	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	JU	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260



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## MW369

### 19954

Methylene chloride	U	0.005 mg/L	0.005	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene		0.0047 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	BU	35 mg/L	35	EPA-410.4 1978
Cyanide	U	0.05 mg/L	0.05	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		1.9 mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.0295 mg/L	0.01	SW846-9020B

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**MW370**  
**19954**  
**MW370UG2-05**

Collected: 1/12/2005

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		51	mg/L		5	SW846-9056
Fluoride		0.16	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		19	mg/L		5	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic	X	0.00236	mg/L		0.001	SW846-6020
Barium		0.186	mg/L		0.005	SW846-6020
Barium, Dissolved		0.189	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	JU	0.2	mg/L		0.2	SW846-6010A
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		31.3	mg/L		1	SW846-6010A
Chromium	U	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Cobalt		0.00505	mg/L		0.001	SW846-6020
Copper	BU	0.02	mg/L		0.02	SW846-6020
Iron		0.133	mg/L		0.1	SW846-6010A
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		12.8	mg/L		0.02	SW846-6010A
Manganese		0.143	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	U	0.005	mg/L		0.005	SW846-6020
Potassium		2.56	mg/L		0.2	SW846-6010A
Rhodium	BU	0.005	mg/L		0.005	SW846-6020
Selenium		0.00755	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		40	mg/L		1	SW846-6010A
Tantalum	BU	0.005	mg/L		0.005	SW846-6020
Thallium	BJU	0.002	mg/L		0.002	SW846-6020
Uranium	BU	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	BU	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	UX	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.88	Inches/Hg			
<b>PHYSC</b>						
Conductivity		441	umho/cm			
Depth to Water		39.72	ft			
Dissolved Oxygen		1.58	mg/L			
Dissolved Solids		247	mg/L		50	EPA-160.1
pH		6.09	Std Unit			
Redox		304	mV			
Suspended Solids	U	25	mg/L		25	EPA-160.2
Temperature		60.6	deg F			
Total Solids		248	mg/L		100	EPA-160.3

**MW370**

**19954**

Turbidity		8.6	NTU			
<b>RADS</b>						
Alpha activity	U	0.335	pCi/L	0.21	5.07	SW846-9310
Beta activity		19.3	pCi/L	2.97	5.26	SW846-9310
Iodine-131	U	-5.88	pCi/L	11.8	12.6	RL-7124
Radium	U	0.277	pCi/L	0.12	0.76	RL-7113
Radium-224	U	0.0385	pCi/L	0.05	0.09	RL-7129
Radium-226		0.22	pCi/L	0.11	0.09	RL-7129
Radium-228	U	-0.23	pCi/L	0.05	1.39	RL-7129
Strontium-90	U	0.472	pCi/L	0.07	2.73	RL-7140
Technetium-99	U	3.38	pCi/L	12.5	18.6	RL-7100
Thorium-230	U	0.0808	pCi/L	0.06	0.66	RL-7128
Tritium	U	120	pCi/L	177	292	704R7
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JUY	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	U	0.01	mg/L		0.01	SW846-8260
Acrolein	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	JU	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	JU	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260

# Paducah-OREIS Data Report

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## MW370

### 19954

Methylene chloride	U	0.005 mg/L	0.005	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene		0.011 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	BU	35 mg/L	35	EPA-410.4 1978
Cyanide	U	0.05 mg/L	0.05	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.01 mg/L	0.01	SW846-9020B

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# Paducah-OREIS Data Report

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**MW371**

**19954**

**MW371UG2-05**

Collected: 1/12/2005

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		8.7	mg/L		2	SW846-9056
Fluoride		0.29	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate	U	5	mg/L		5	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic	X	0.00104	mg/L		0.001	SW846-6020
Barium		0.145	mg/L		0.005	SW846-6020
Barium, Dissolved		0.134	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	JU	0.2	mg/L		0.2	SW846-6010A
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		32.6	mg/L		1	SW846-6010A
Chromium	U	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Cobalt	U	0.001	mg/L		0.001	SW846-6020
Copper	BU	0.02	mg/L		0.02	SW846-6020
Iron		1.29	mg/L		0.1	SW846-6010A
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		12.9	mg/L		0.02	SW846-6010A
Manganese		0.0163	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	U	0.005	mg/L		0.005	SW846-6020
Potassium		0.385	mg/L		0.2	SW846-6010A
Rhodium	BU	0.005	mg/L		0.005	SW846-6020
Selenium	U	0.005	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		142	mg/L		1	SW846-6010A
Tantalum	BU	0.005	mg/L		0.005	SW846-6020
Thallium	BJU	0.002	mg/L		0.002	SW846-6020
Uranium	B	0.00101	mg/L		0.001	SW846-6020
Uranium, Dissolved	BU	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	UX	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.88	Inches/Hg			
<b>PHYSC</b>						
Conductivity		740	umho/cm			
Depth to Water		22.81	ft			
Dissolved Oxygen		1.84	mg/L			
Dissolved Solids		410	mg/L		50	EPA-160.1
pH		6.61	Std Unit			
Redox		60	mV			
Suspended Solids	U	25	mg/L		25	EPA-160.2
Temperature		61.8	deg F			
Total Solids		450	mg/L		100	EPA-160.3

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## MW371

### 19954

Turbidity		9.5	NTU			
<b>RADS</b>						
Alpha activity	U	-0.0735	pCi/L	0.06	5.83	SW846-9310
Beta activity	U	0.881	pCi/L	0.24	5.99	SW846-9310
Iodine-131	U	0.0842	pCi/L	0.16	13.6	RL-7124
Radium	U	0.195	pCi/L	0.12	0.76	RL-7113
Radium-224	U	-0.0024	pCi/L	0	0.09	RL-7129
Radium-226	U	0.0831	pCi/L	0.07	0.08	RL-7129
Radium-228	U	-0.32	pCi/L	0.08	1.51	RL-7129
Strontium-90	U	-0.0957	pCi/L	0.01	2.97	RL-7140
Technetium-99	U	-11.3	pCi/L	0	18.6	RL-7100
Thorium-230	U	0.221	pCi/L	0.09	0.66	RL-7128
Tritium	U	118	pCi/L	177	292	704R7
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JUY	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	U	0.01	mg/L		0.01	SW846-8260
Acrolein	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	JU	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	JU	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260

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## MW371

### 19954

Methylene chloride	U	0.005 mg/L	0.005	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	BU	35 mg/L	35	EPA-410.4 1978
Cyanide	U	0.05 mg/L	0.05	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		2 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.01 mg/L	0.01	SW846-9020B

# Paducah-OREIS Data Report

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**MW90**  
**19966**  
**070306**

Collected: 7/22/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	B	0.0432	mg/L		0.2	SW846-6010B
Antimony	U	0.01	mg/L		0.01	SW846-6010B
Arsenic	U	0.01	mg/L		0.01	SW846-6010B
Barium	B	0.12	mg/L		0.2	SW846-6010B
Beryllium	U	0.005	mg/L		0.005	SW846-6010B
Boron	B	0.0106	mg/L		0.2	SW846-6010B
Cadmium	U	0.005	mg/L		0.005	SW846-6010B
Calcium		30.1	mg/L		5	SW846-6010B
Chromium	U	0.01	mg/L		0.01	SW846-6010B
Cobalt	U	0.05	mg/L		0.05	SW846-6010B
Copper	B	0.0015	mg/L		0.025	SW846-6010B
Iron	B	0.0652	mg/L		0.1	SW846-6010B
Lead	U	0.003	mg/L		0.003	SW846-6010B
Magnesium		7.75	mg/L		5	SW846-6010B
Manganese		0.491	mg/L		0.015	SW846-6010B
Mercury	U	0.0002	mg/L		0.0002	SW846-7470A
Molybdenum	U	0.04	mg/L		0.04	SW846-6010B
Nickel	B	0.0019	mg/L		0.04	SW846-6010B
Potassium	B	2.93	mg/L		5	SW846-6010B
Selenium	B	0.0017	mg/L		0.005	SW846-6010B
Silicon		13.9	mg/L		0.5	SW846-6010B
Silver	U	0.01	mg/L		0.01	SW846-6010B
Sodium		19.2	mg/L		5	SW846-6010B
Thallium	U	0.01	mg/L		0.01	SW846-6010B
Uranium	U	0.5	mg/L		0.5	SW846-6010B
Vanadium	B	0.0008	mg/L		0.05	SW846-6010B
Zinc	B	0.0068	mg/L		0.02	SW846-6010B
<b>PHYSIC</b>						
Conductivity		292	umho/cm			FS
Dissolved Oxygen		1.51	mg/L			FS
pH		6.5	Std Unit			FS
Turbidity		3	NA			FS
<b>RADS</b>						
Technetium-99	U	-6.5	pCi/L	2.1	3.8	DOE TC-02-RC MO
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.001	mg/L		0.001	SW846-8260B
1,3-Dichlorobenzene	U	0.001	mg/L		0.001	SW846-8260B
1,4-Dichlorobenzene	U	0.001	mg/L		0.001	SW846-8260B
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.001	mg/L		0.001	SW846-8260B
1,1,1-Trichloroethane	U	0.001	mg/L		0.001	SW846-8260B
1,1,2,2-Tetrachloroethane	U	0.001	mg/L		0.001	SW846-8260B
1,1,2-Trichloroethane	U	0.001	mg/L		0.001	SW846-8260B
1,1-Dichloroethane	U	0.001	mg/L		0.001	SW846-8260B
1,1-Dichloroethene	U	0.001	mg/L		0.001	SW846-8260B
1,2,3-Trichloropropane	U	0.001	mg/L		0.001	SW846-8260B
1,2-Dibromo-3-chloropropane	U	0.001	mg/L		0.001	SW846-8260B
1,2-Dibromoethane	U	0.001	mg/L		0.001	SW846-8260B
1,2-Dichloroethane	U	0.001	mg/L		0.001	SW846-8260B



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## MW90

### 19966

1,2-Dichloroethene	U	0.002	mg/L	0.002	SW846-8260B
1,2-Dichloropropane	U	0.001	mg/L	0.001	SW846-8260B
1,2-Dimethylbenzene	U	0.001	mg/L	0.001	SW846-8260B
1,4-Dioxane	U	0.2	mg/L	0.2	SW846-8260B
2-Butanone	U	0.005	mg/L	0.005	SW846-8260B
2-Chloro-1,3-butadiene	U	0.001	mg/L	0.001	SW846-8260B
2-Hexanone	U	0.005	mg/L	0.005	SW846-8260B
4-Methyl-2-pentanone	U	0.005	mg/L	0.005	SW846-8260B
Acetone	U	0.01	mg/L	0.01	SW846-8260B
Acetonitrile	U	0.02	mg/L	0.02	SW846-8260B
Acrolein	U	0.02	mg/L	0.02	SW846-8260B
Acrylonitrile	U	0.02	mg/L	0.02	SW846-8260B
Allyl chloride	U	0.002	mg/L	0.002	SW846-8260B
Benzene	U	0.001	mg/L	0.001	SW846-8260B
Bromodichloromethane	U	0.001	mg/L	0.001	SW846-8260B
Bromoform	U	0.001	mg/L	0.001	SW846-8260B
Bromomethane	U	0.002	mg/L	0.002	SW846-8260B
Carbon disulfide	U	0.001	mg/L	0.001	SW846-8260B
Carbon tetrachloride	U	0.001	mg/L	0.001	SW846-8260B
Chlorobenzene	U	0.001	mg/L	0.001	SW846-8260B
Chloroethane	U	0.002	mg/L	0.002	SW846-8260B
Chloroform	J	0.00019	mg/L	0.001	SW846-8260B
Chloromethane	U	0.002	mg/L	0.002	SW846-8260B
cis-1,2-Dichloroethene	U	0.0005	mg/L	0.0005	SW846-8260B
cis-1,3-Dichloropropene	U	0.001	mg/L	0.001	SW846-8260B
Dibromochloromethane	U	0.001	mg/L	0.001	SW846-8260B
Dibromomethane	U	0.001	mg/L	0.001	SW846-8260B
Dichlorodifluoromethane	U	0.002	mg/L	0.002	SW846-8260B
Ethyl cyanide	U	0.004	mg/L	0.004	SW846-8260B
Ethyl methacrylate	U	0.001	mg/L	0.001	SW846-8260B
Ethylbenzene	U	0.001	mg/L	0.001	SW846-8260B
Iodomethane	U	0.001	mg/L	0.001	SW846-8260B
Isobutanol	U	0.05	mg/L	0.05	SW846-8260B
m,p-Xylene	U	0.002	mg/L	0.002	SW846-8260B
Methacrylonitrile	U	0.001	mg/L	0.001	SW846-8260B
Methyl methacrylate	U	0.001	mg/L	0.001	SW846-8260B
Methylene chloride	U	0.001	mg/L	0.001	SW846-8260B
Pentachloroethane	U	0.001	mg/L	0.001	SW846-8260B
Styrene	U	0.001	mg/L	0.001	SW846-8260B
Tetrachloroethene	U	0.001	mg/L	0.001	SW846-8260B
Toluene	U	0.001	mg/L	0.001	SW846-8260B
Total Xylene	U	0.001	mg/L	0.001	SW846-8260B
trans-1,2-Dichloroethene	U	0.0005	mg/L	0.0005	SW846-8260B
trans-1,3-Dichloropropene	U	0.001	mg/L	0.001	SW846-8260B
Trans-1,4-Dichloro-2-butene	U	0.001	mg/L	0.001	SW846-8260B
Trichloroethene	J	0.0004	mg/L	0.001	SW846-8260B
Trichlorofluoromethane	U	0.002	mg/L	0.002	SW846-8260B
Vinyl acetate	U	0.002	mg/L	0.002	SW846-8260B
Vinyl chloride	U	0.002	mg/L	0.002	SW846-8260B

# Paducah-OREIS Data Report

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12/18/2007

**MW95**

**19966**

**070307**

Collected: 7/22/2003

Media Type: WG

Sample Type: REG2

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>VOA</b>						
Chloroform	DJ	0.00019	mg/L		0.002	SW846-8260B
Methylene chloride	DB	0.0037	mg/L		0.002	SW846-8260B
Tetrachloroethene	DJ	0.00038	mg/L		0.002	SW846-8260B
Trichloroethene	D	0.047	mg/L		0.002	SW846-8260B

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# Paducah-OREIS Data Report

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**MW95**

**19966**

**070307**

Collected: 7/22/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	B	0.0273	mg/L		0.2	SW846-6010B
Antimony	U	0.01	mg/L		0.01	SW846-6010B
Arsenic	U	0.01	mg/L		0.01	SW846-6010B
Barium	B	0.131	mg/L		0.2	SW846-6010B
Beryllium	U	0.005	mg/L		0.005	SW846-6010B
Boron	B	0.0132	mg/L		0.2	SW846-6010B
Cadmium	U	0.005	mg/L		0.005	SW846-6010B
Calcium		21	mg/L		5	SW846-6010B
Chromium	U	0.01	mg/L		0.01	SW846-6010B
Cobalt	B	0.0017	mg/L		0.05	SW846-6010B
Copper	U	0.025	mg/L		0.025	SW846-6010B
Iron		0.226	mg/L		0.1	SW846-6010B
Lead	U	0.003	mg/L		0.003	SW846-6010B
Magnesium		8.45	mg/L		5	SW846-6010B
Manganese		0.342	mg/L		0.015	SW846-6010B
Mercury	U	0.0002	mg/L		0.0002	SW846-7470A
Molybdenum	U	0.04	mg/L		0.04	SW846-6010B
Nickel	B	0.0017	mg/L		0.04	SW846-6010B
Potassium	U	5	mg/L		5	SW846-6010B
Selenium	U	0.005	mg/L		0.005	SW846-6010B
Silicon		7.57	mg/L		0.5	SW846-6010B
Silver	U	0.01	mg/L		0.01	SW846-6010B
Sodium		14.4	mg/L		5	SW846-6010B
Thallium	U	0.01	mg/L		0.01	SW846-6010B
Uranium	U	0.5	mg/L		0.5	SW846-6010B
Vanadium	B	0.00062	mg/L		0.05	SW846-6010B
Zinc	U	0.02	mg/L		0.02	SW846-6010B
<b>PHYSC</b>						
Conductivity		245	umho/cm			FS
Dissolved Oxygen		1.06	mg/L			FS
pH		6.2	Std Unit			FS
Turbidity		4	NA			FS
<b>RADS</b>						
Technetium-99		16	pCi/L	2.9	3.4	DOE TC-02-RC MO
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.001	mg/L		0.001	SW846-8260B
1,1,1-Trichloroethane	U	0.001	mg/L		0.001	SW846-8260B
1,1,2,2-Tetrachloroethane	U	0.001	mg/L		0.001	SW846-8260B
1,1,2-Trichloroethane	U	0.001	mg/L		0.001	SW846-8260B
1,1-Dichloroethane	U	0.001	mg/L		0.001	SW846-8260B
1,1-Dichloroethene	J	0.00071	mg/L		0.001	SW846-8260B
1,2,3-Trichloropropane	U	0.001	mg/L		0.001	SW846-8260B
1,2-Dibromo-3-chloropropane	U	0.001	mg/L		0.001	SW846-8260B
1,2-Dibromoethane	U	0.001	mg/L		0.001	SW846-8260B
1,2-Dichloroethane	U	0.001	mg/L		0.001	SW846-8260B
1,2-Dichloropropane	U	0.001	mg/L		0.001	SW846-8260B
1,4-Dioxane	U	0.2	mg/L		0.2	SW846-8260B
2-Butanone	U	0.005	mg/L		0.005	SW846-8260B
2-Chloro-1,3-butadiene	U	0.001	mg/L		0.001	SW846-8260B

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## MW95

### 19966

2-Hexanone	U	0.005	mg/L	0.005	SW846-8260B
Acetone	U	0.01	mg/L	0.01	SW846-8260B
Acetonitrile	U	0.02	mg/L	0.02	SW846-8260B
Acrolein	U	0.02	mg/L	0.02	SW846-8260B
Acrylonitrile	U	0.02	mg/L	0.02	SW846-8260B
Allyl chloride	U	0.002	mg/L	0.002	SW846-8260B
Benzene	U	0.001	mg/L	0.001	SW846-8260B
Bromodichloromethane	U	0.001	mg/L	0.001	SW846-8260B
Bromoform	U	0.001	mg/L	0.001	SW846-8260B
Bromomethane	U	0.002	mg/L	0.002	SW846-8260B
Carbon disulfide	U	0.001	mg/L	0.001	SW846-8260B
Carbon tetrachloride	J	0.00034	mg/L	0.001	SW846-8260B
Chlorobenzene	U	0.001	mg/L	0.001	SW846-8260B
Chloroethane	U	0.002	mg/L	0.002	SW846-8260B
Chloroform	J	0.00021	mg/L	0.001	SW846-8260B
Chloromethane	U	0.002	mg/L	0.002	SW846-8260B
cis-1,2-Dichloroethene		0.00089	mg/L	0.0005	SW846-8260B
cis-1,3-Dichloropropene	U	0.001	mg/L	0.001	SW846-8260B
Dibromochloromethane	U	0.001	mg/L	0.001	SW846-8260B
Dibromomethane	U	0.001	mg/L	0.001	SW846-8260B
Dichlorodifluoromethane	U	0.002	mg/L	0.002	SW846-8260B
Ethyl cyanide	U	0.004	mg/L	0.004	SW846-8260B
Ethyl methacrylate	U	0.001	mg/L	0.001	SW846-8260B
Ethylbenzene	U	0.001	mg/L	0.001	SW846-8260B
Iodomethane	U	0.001	mg/L	0.001	SW846-8260B
Isobutanol	U	0.05	mg/L	0.05	SW846-8260B
Methacrylonitrile	U	0.001	mg/L	0.001	SW846-8260B
Methyl methacrylate	U	0.001	mg/L	0.001	SW846-8260B
Methylene chloride	U	0.001	mg/L	0.001	SW846-8260B
Pentachloroethane	U	0.001	mg/L	0.001	SW846-8260B
Styrene	U	0.001	mg/L	0.001	SW846-8260B
Tetrachloroethene	J	0.00045	mg/L	0.001	SW846-8260B
Toluene	U	0.001	mg/L	0.001	SW846-8260B
Total Xylene	U	0.001	mg/L	0.001	SW846-8260B
trans-1,2-Dichloroethene	U	0.0005	mg/L	0.0005	SW846-8260B
trans-1,3-Dichloropropene	U	0.001	mg/L	0.001	SW846-8260B
Trans-1,4-Dichloro-2-butene	U	0.001	mg/L	0.001	SW846-8260B
Trichloroethene	E	0.049	mg/L	0.001	SW846-8260B
Trichlorofluoromethane	U	0.002	mg/L	0.002	SW846-8260B
Vinyl acetate	U	0.002	mg/L	0.002	SW846-8260B
Vinyl chloride	U	0.002	mg/L	0.002	SW846-8260B

# Paducah-OREIS Data Report

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12/18/2007

**MW220**  
**19983**  
**MW220SG2-05**

Collected: 1/20/2005

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		35	mg/L		2	SW846-9056
Fluoride		0.18	mg/L		0.1	9214
Nitrate as Nitrogen		1.4	mg/L		1	SW846-9056
Sulfate		13	mg/L		5	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic	X	0.0019	mg/L		0.001	SW846-6020
Barium		0.212	mg/L		0.005	SW846-6020
Barium, Dissolved		0.24	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	BU	0.2	mg/L		0.2	SW846-6010A
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		18.9	mg/L		1	SW846-6010A
Chromium	U	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Cobalt		0.00254	mg/L		0.001	SW846-6020
Copper	BU	0.02	mg/L		0.02	SW846-6020
Iron	B	0.19	mg/L		0.1	SW846-6010A
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		7.94	mg/L		0.02	SW846-6010A
Manganese		0.0553	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	B	0.00435	mg/L		0.001	SW846-6020
Nickel		0.0542	mg/L		0.005	SW846-6020
Potassium		4.56	mg/L		0.2	SW846-6010A
Rhodium	BU	0.005	mg/L		0.005	SW846-6020
Selenium		0.00647	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		32.1	mg/L		1	SW846-6010A
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	BJU	0.002	mg/L		0.002	SW846-6020
Uranium	BNU	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Vanadium	JU	0.02	mg/L		0.02	SW846-6020
Zinc	UX	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		30.21	Inches/Hg			
<b>PHYSC</b>						
Conductivity		361	umho/cm			
Depth to Water		55.12	ft			
Dissolved Oxygen		2.53	mg/L			
Dissolved Solids	U	500	mg/L		500	EPA-160.1
pH		6.2	Std Unit			
Redox		172	mV			
Suspended Solids	U	25	mg/L		25	EPA-160.2
Temperature		59.1	deg F			
Total Solids	J	378	mg/L		100	EPA-160.3

# Paducah-OREIS Data Report

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## MW220

### 19983

Turbidity		4	NTU			
<b>RADS</b>						
Alpha activity	U	0.24	pCi/L	0.13	5.69	SW846-9310
Beta activity		18	pCi/L	2.84	5.21	SW846-9310
Iodine-131	U	-1.13	pCi/L	2.26	21.4	RL-7124
Radium	U	0.185	pCi/L	0.11	0.75	RL-7113
Radium-224	U	0.0251	pCi/L	0.03	0.09	RL-7129
Radium-226		0.229	pCi/L	0.11	0.09	RL-7129
Radium-228	U	0.594	pCi/L	0.09	1.78	RL-7129
Strontium-90	U	0.927	pCi/L	0.14	3.08	RL-7140
Technetium-99	U	6.93	pCi/L	11.5	16.9	RL-7100
Thorium-230	U	0.251	pCi/L	0.1	0.65	RL-7128
Tritium	U	14.7	pCi/L	175	292	704R7
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JUY	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	U	0.01	mg/L		0.01	SW846-8260
Acrolein	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	JU	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	JU	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	UY	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	JU	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260

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## MW220

### 19983

Methylene chloride	U	0.005 mg/L	0.005	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	35 mg/L	35	EPA-410.4 1978
Cyanide	U	0.05 mg/L	0.05	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.01 mg/L	0.01	SW846-9020B

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# Paducah-OREIS Data Report

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**MW221**

**19983**

**MW221SG2-05**

Collected: 1/20/2005

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		42	mg/L		2	SW846-9056
Fluoride		0.16	mg/L		0.1	9214
Nitrate as Nitrogen		1.9	mg/L		1	SW846-9056
Sulfate		12	mg/L		5	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic	X	0.00218	mg/L		0.001	SW846-6020
Barium		0.235	mg/L		0.005	SW846-6020
Barium, Dissolved		0.229	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	BU	0.2	mg/L		0.2	SW846-6010A
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		18.2	mg/L		1	SW846-6010A
Chromium	U	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Cobalt		0.00136	mg/L		0.001	SW846-6020
Copper	BU	0.02	mg/L		0.02	SW846-6020
Iron	BU	0.1	mg/L		0.1	SW846-6010A
Lead	BU	0.005	mg/L		0.005	SW846-6020
Magnesium		8.08	mg/L		0.02	SW846-6010A
Manganese		0.00724	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	B	0.00239	mg/L		0.001	SW846-6020
Nickel		0.02	mg/L		0.005	SW846-6020
Potassium		1.04	mg/L		0.2	SW846-6010A
Rhodium	BU	0.005	mg/L		0.005	SW846-6020
Selenium		0.00999	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		34.5	mg/L		1	SW846-6010A
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	BJU	0.002	mg/L		0.002	SW846-6020
Uranium	BNU	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Vanadium	JU	0.02	mg/L		0.02	SW846-6020
Zinc	UX	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		30.21	Inches/Hg			
<b>PHYSC</b>						
Conductivity		400	umho/cm			
Depth to Water		64.5	ft			
Dissolved Oxygen		4.63	mg/L			
Dissolved Solids	U	500	mg/L		500	EPA-160.1
pH		6.15	Std Unit			
Redox		305	mV			
Suspended Solids	U	25	mg/L		25	EPA-160.2
Temperature		57.8	deg F			
Total Solids	J	228	mg/L		100	EPA-160.3



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## MW221

### 19983

Turbidity		6.4	NTU			
<b>RADS</b>						
Alpha activity	U	-0.675	pCi/L	0.55	5.79	SW846-9310
Beta activity	U	3.14	pCi/L	0.78	5.28	SW846-9310
Iodine-131	U	-1.13	pCi/L	2.26	19.4	RL-7124
Radium	U	0.182	pCi/L	0.11	0.75	RL-7113
Radium-224	U	-0.0022	pCi/L	0	0.09	RL-7129
Radium-226		0.101	pCi/L	0.08	0.08	RL-7129
Radium-228	U	0.937	pCi/L	0.17	1.29	RL-7129
Strontium-90	U	-0.394	pCi/L	0.06	3.08	RL-7140
Technetium-99	U	-2.56	pCi/L	0	16.9	RL-7100
Thorium-230	U	0.399	pCi/L	0.12	0.65	RL-7128
Tritium	U	130	pCi/L	177	292	704R7
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JUY	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	U	0.01	mg/L		0.01	SW846-8260
Acrolein	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	JU	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	JUY	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	JU	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260

# Paducah-OREIS Data Report

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## MW221

### 19983

Methylene chloride	U	0.005 mg/L	0.005	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	35 mg/L	35	EPA-410.4 1978
Cyanide	JU	0.05 mg/L	0.05	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.01 mg/L	0.01	SW846-9020B

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# Paducah-OREIS Data Report

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**MW222**  
**19983**  
**MW222SG2-05**

Collected: 1/21/2005

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		39	mg/L		2	SW846-9056
Fluoride		0.31	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		12	mg/L		5	SW846-9056
<b>METAL</b>						
Aluminum	N	0.334	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic		0.00234	mg/L		0.001	SW846-6020
Barium		0.828	mg/L		0.05	SW846-6020
Barium, Dissolved		0.804	mg/L		0.05	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	BU	0.2	mg/L		0.2	SW846-6010A
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		20.1	mg/L		1	SW846-6010A
Chromium	U	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Cobalt	NX	0.0504	mg/L		0.001	SW846-6020
Copper	NU	0.02	mg/L		0.02	SW846-6020
Iron	B	0.534	mg/L		0.1	SW846-6010A
Lead	BU	0.005	mg/L		0.005	SW846-6020
Magnesium		9.09	mg/L		0.02	SW846-6010A
Manganese		6.83	mg/L		0.05	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	U	0.001	mg/L		0.001	SW846-6020
Nickel	NX	0.029	mg/L		0.005	SW846-6020
Potassium		0.509	mg/L		0.2	SW846-6010A
Rhodium	U	0.005	mg/L		0.005	SW846-6020
Selenium	U	0.005	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		45.7	mg/L		1	SW846-6010A
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	BU	0.002	mg/L		0.002	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	UX	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		30.15	Inches/Hg			
<b>PHYSC</b>						
Conductivity		409	umho/cm			
Depth to Water		68.64	ft			
Dissolved Oxygen		1.19	mg/L			
Dissolved Solids	U	500	mg/L		500	EPA-160.1
pH		6.6	Std Unit			
Redox		239	mV			
Suspended Solids	U	25	mg/L		25	EPA-160.2
Temperature		58.1	deg F			
Total Solids	J	277	mg/L		100	EPA-160.3

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## MW222

### 19983

Turbidity		25.9	NTU			
<b>RADS</b>						
Alpha activity	U	1.25	pCi/L	1.12	3.06	SW846-9310
Beta activity		5.5	pCi/L	1.3	5.3	SW846-9310
Iodine-131	U	-1.92	pCi/L	3.84	13.4	RL-7124
Radium	U	0.104	pCi/L	0.11	0.75	RL-7113
Radium-224	U	-0.0022	pCi/L	0	0.09	RL-7129
Radium-226		0.198	pCi/L	0.1	0.12	RL-7129
Radium-228	U	0.838	pCi/L	0.13	2.05	RL-7129
Strontium-90	U	1.68	pCi/L	0.26	2.31	RL-7140
Technetium-99	U	7.53	pCi/L	11.6	16.9	RL-7100
Thorium-230	U	0.125	pCi/L	0.08	0.65	RL-7128
Tritium	U	71.3	pCi/L	176	292	704R7
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JUY	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	U	0.01	mg/L		0.01	SW846-8260
Acrolein	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	JU	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	JU	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	JUY	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	JU	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260

# Paducah-OREIS Data Report

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## MW222

### 19983

Methylene chloride	U	0.005 mg/L	0.005	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	35 mg/L	35	EPA-410.4 1978
Cyanide	U	0.05 mg/L	0.05	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.01 mg/L	0.01	SW846-9020B

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# Paducah-OREIS Data Report

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**MW223**  
**19983**  
**MW223SG2-05**

Collected: 1/20/2005

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		37	mg/L		2	SW846-9056
Fluoride		0.22	mg/L		0.1	9214
Nitrate as Nitrogen		1.6	mg/L		1	SW846-9056
Sulfate		11	mg/L		5	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic	X	0.00216	mg/L		0.001	SW846-6020
Barium		0.281	mg/L		0.005	SW846-6020
Barium, Dissolved		0.284	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	BU	0.2	mg/L		0.2	SW846-6010A
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		16.1	mg/L		1	SW846-6010A
Chromium	U	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Cobalt		0.00136	mg/L		0.001	SW846-6020
Copper	BU	0.02	mg/L		0.02	SW846-6020
Iron	B	0.146	mg/L		0.1	SW846-6010A
Lead	BU	0.005	mg/L		0.005	SW846-6020
Magnesium		6.9	mg/L		0.02	SW846-6010A
Manganese		0.456	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	B	0.00384	mg/L		0.001	SW846-6020
Nickel		0.0155	mg/L		0.005	SW846-6020
Potassium		2.67	mg/L		0.2	SW846-6010A
Rhodium	BU	0.005	mg/L		0.005	SW846-6020
Selenium		0.00871	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		33.6	mg/L		1	SW846-6010A
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	BJU	0.002	mg/L		0.002	SW846-6020
Uranium	BNU	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Vanadium	JU	0.02	mg/L		0.02	SW846-6020
Zinc	UX	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		30.21	Inches/Hg			
<b>PHYSC</b>						
Conductivity		374	umho/cm			
Depth to Water		67.65	ft			
Dissolved Oxygen		3.98	mg/L			
Dissolved Solids	U	500	mg/L		500	EPA-160.1
pH		6.2	Std Unit			
Redox		295	mV			
Suspended Solids	U	25	mg/L		25	EPA-160.2
Temperature		61.2	deg F			
Total Solids	J	228	mg/L		100	EPA-160.3

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## MW223

### 19983

Turbidity		5.3	NTU			
<b>RADS</b>						
Alpha activity	U	0.302	pCi/L	0.19	5.83	SW846-9310
Beta activity		9.32	pCi/L	1.84	5.31	SW846-9310
Iodine-131	U	4.42	pCi/L	8.85	20.8	RL-7124
Radium	U	0.0429	pCi/L	0.11	0.75	RL-7113
Radium-224	U	-0.0022	pCi/L	0	0.09	RL-7129
Radium-226	U	0.0459	pCi/L	0.06	0.09	RL-7129
Radium-228	U	0.507	pCi/L	0.1	1.6	RL-7129
Strontium-90	U	-0.717	pCi/L	0.12	3.11	RL-7140
Technetium-99	U	3.16	pCi/L	11.4	16.9	RL-7100
Thorium-230	U	0.577	pCi/L	0.16	0.66	RL-7128
Tritium	U	94.4	pCi/L	177	292	704R7
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JUY	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	U	0.01	mg/L		0.01	SW846-8260
Acrolein	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	JU	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	JU	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	JUY	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	JU	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260

# Paducah-OREIS Data Report

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## MW223

### 19983

Methylene chloride	U	0.005 mg/L	0.005	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	35 mg/L	35	EPA-410.4 1978
Cyanide	JU	0.05 mg/L	0.05	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.01 mg/L	0.01	SW846-9020B

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# Paducah-OREIS Data Report

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**MW224**  
**19983**  
**MW224SG2-05**

Collected: 1/18/2005

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride	N	31	mg/L		2	SW846-9056
Fluoride		0.29	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		16	mg/L		5	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic	X	0.00186	mg/L		0.001	SW846-6020
Barium		0.458	mg/L		0.005	SW846-6020
Barium, Dissolved		0.473	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	BU	0.2	mg/L		0.2	SW846-6010A
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		28	mg/L		1	SW846-6010A
Chromium	U	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Cobalt		0.0316	mg/L		0.001	SW846-6020
Copper	BU	0.02	mg/L		0.02	SW846-6020
Iron	U	0.1	mg/L		0.1	SW846-6010A
Lead	BU	0.005	mg/L		0.005	SW846-6020
Magnesium		12.4	mg/L		0.02	SW846-6010A
Manganese		2.56	mg/L		0.05	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel		0.0121	mg/L		0.005	SW846-6020
Potassium		0.851	mg/L		0.2	SW846-6010A
Rhodium	BU	0.005	mg/L		0.005	SW846-6020
Selenium		0.00624	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		54.8	mg/L		1	SW846-6010A
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	BJU	0.002	mg/L		0.002	SW846-6020
Uranium	NU	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Vanadium	JU	0.02	mg/L		0.02	SW846-6020
Zinc	UX	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		30.86	Inches/Hg			
<b>PHYSC</b>						
Conductivity		506	umho/cm			
Depth to Water		70.22	ft			
Dissolved Oxygen		2.94	mg/L			
Dissolved Solids	U	500	mg/L		500	EPA-160.1
pH		6.3	Std Unit			
Redox		6	mV			
Suspended Solids	U	25	mg/L		25	EPA-160.2
Temperature		54.8	deg F			
Total Solids		306	mg/L		100	EPA-160.3

**MW224****19983**

Turbidity		5.1	NTU			
<b>RADS</b>						
Alpha activity	U	-1.21	pCi/L	1.08	6.11	SW846-9310
Beta activity	U	4.28	pCi/L	1.02	5.53	SW846-9310
Iodine-131	U	1.22	pCi/L	2.44	18.1	RL-7124
Radium	U	-0.0809	pCi/L	0.08	0.73	RL-7113
Radium-224	U	0.0103	pCi/L	0.04	0.09	RL-7129
Radium-226		0.211	pCi/L	0.11	0.1	RL-7129
Radium-228	U	1.18	pCi/L	0.2	1.29	RL-7129
Strontium-90	U	-0.693	pCi/L	0.12	2.91	RL-7140
Technetium-99	U	9.43	pCi/L	12.1	17.6	RL-7100
Thorium-230	U	-0.0605	pCi/L	0.05	0.66	RL-7128
Tritium	U	94.4	pCi/L	177	292	704R7
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JUY	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	B	0.022	mg/L		0.01	SW846-8260
Acrolein	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	JU	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	JU	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	JU	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	JU	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260

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## MW224

### 19983

Methylene chloride	U	0.005 mg/L	0.005	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	35 mg/L	35	EPA-410.4 1978
Cyanide	JU	0.05 mg/L	0.05	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		1.1 mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.0146 mg/L	0.01	SW846-9020B

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# Paducah-OREIS Data Report

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**MW224**

**19983**

**MW224DSG2-05**

Collected: 1/18/2005

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride	N	31	mg/L		2	SW846-9056
Fluoride		0.3	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		15	mg/L		5	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic	X	0.0018	mg/L		0.001	SW846-6020
Barium		0.463	mg/L		0.005	SW846-6020
Barium, Dissolved		0.477	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	BU	0.2	mg/L		0.2	SW846-6010A
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		29.3	mg/L		1	SW846-6010A
Chromium	U	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Cobalt		0.0311	mg/L		0.001	SW846-6020
Copper	BU	0.02	mg/L		0.02	SW846-6020
Iron	BU	0.1	mg/L		0.1	SW846-6010A
Lead	BU	0.005	mg/L		0.005	SW846-6020
Magnesium		12.8	mg/L		0.02	SW846-6010A
Manganese		2.53	mg/L		0.05	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel		0.012	mg/L		0.005	SW846-6020
Potassium		0.927	mg/L		0.2	SW846-6010A
Rhodium	BU	0.005	mg/L		0.005	SW846-6020
Selenium		0.00629	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		58	mg/L		1	SW846-6010A
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	BJU	0.002	mg/L		0.002	SW846-6020
Uranium	BNU	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Vanadium	JU	0.02	mg/L		0.02	SW846-6020
Zinc	UX	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		30.86	Inches/Hg			
<b>PHYSC</b>						
Conductivity		506	umho/cm			
Depth to Water		70.22	ft			
Dissolved Oxygen		2.94	mg/L			
Dissolved Solids	U	500	mg/L		500	EPA-160.1
pH		6.3	Std Unit			
Redox		6	mV			
Suspended Solids	U	25	mg/L		25	EPA-160.2
Temperature		54.8	deg F			
Total Solids		310	mg/L		100	EPA-160.3

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## MW224

### 19983

Turbidity		5.1	NTU			
<b>RADS</b>						
Alpha activity	U	-2.12	pCi/L	2.45	6.14	SW846-9310
Beta activity	U	5.28	pCi/L	1.21	5.55	SW846-9310
Iodine-131	U	0.527	pCi/L	1.05	18.8	RL-7124
Radium	U	0.103	pCi/L	0.11	0.73	RL-7113
Radium-224	U	0.00023	pCi/L	0.02	0.08	RL-7129
Radium-226		0.129	pCi/L	0.08	0.09	RL-7129
Radium-228	U	0.859	pCi/L	0.16	1.45	RL-7129
Strontium-90	U	-0.537	pCi/L	0.09	2.94	RL-7140
Technetium-99	U	2.6	pCi/L	11.9	17.6	RL-7100
Thorium-230	U	-0.0238	pCi/L	0.04	0.64	RL-7128
Tritium	U	168	pCi/L	178	292	704R7
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	JU	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JUY	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	BE	0.17	mg/L		0.01	SW846-8260
Acrolein	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	JU	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	JU	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260

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## MW224

### 19983

Methylene chloride	U	0.005 mg/L	0.005	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	35 mg/L	35	EPA-410.4 1978
Cyanide	JU	0.05 mg/L	0.05	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.0186 mg/L	0.01	SW846-9020B

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# Paducah-OREIS Data Report

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**MW384**  
**19983**  
**MW384SG2-05**

Collected: 1/20/2005

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		63	mg/L		2	SW846-9056
Fluoride		0.27	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		30	mg/L		5	SW846-9056
<b>METAL</b>						
Aluminum		0.263	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic	X	0.00747	mg/L		0.001	SW846-6020
Barium		0.242	mg/L		0.005	SW846-6020
Barium, Dissolved		0.22	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	BU	0.2	mg/L		0.2	SW846-6010A
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		24.2	mg/L		1	SW846-6010A
Chromium	U	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Cobalt		0.00103	mg/L		0.001	SW846-6020
Copper	BU	0.02	mg/L		0.02	SW846-6020
Iron	B	5.72	mg/L		0.1	SW846-6010A
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		9.45	mg/L		0.02	SW846-6010A
Manganese		0.381	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	U	0.005	mg/L		0.005	SW846-6020
Potassium		1.02	mg/L		0.2	SW846-6010A
Rhodium	BU	0.005	mg/L		0.005	SW846-6020
Selenium		0.00674	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		45	mg/L		1	SW846-6010A
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	BJU	0.002	mg/L		0.002	SW846-6020
Uranium	BNU	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Vanadium	JU	0.02	mg/L		0.02	SW846-6020
Zinc	UX	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		30.21	Inches/Hg			
<b>PHYSC</b>						
Conductivity		659	umho/cm			
Depth to Water		38.78	ft			
Dissolved Oxygen		1.61	mg/L			
Dissolved Solids	U	500	mg/L		500	EPA-160.1
pH		6.4	Std Unit			
Redox		-4	mV			
Suspended Solids	U	25	mg/L		25	EPA-160.2
Temperature		54	deg F			
Total Solids	J	337	mg/L		100	EPA-160.3

# Paducah-OREIS Data Report

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## MW384

### 19983

Turbidity		22	NTU			
<b>RADS</b>						
Alpha activity	U	0.359	pCi/L	0.13	6.23	SW846-9310
Beta activity		98.4	pCi/L	7.83	5.63	SW846-9310
Iodine-131	U	4.1	pCi/L	8.21	18.6	RL-7124
Radium	U	0.0289	pCi/L	0.11	0.75	RL-7113
Radium-224	U	-0.0055	pCi/L	0.0066	0.08	RL-7129
Radium-226		0.204	pCi/L	0.1	0.08	RL-7129
Radium-228	U	0.508	pCi/L	0.1	1.49	RL-7129
Strontium-90	U	-0.909	pCi/L	0.16	2.96	RL-7140
Technetium-99		47.3	pCi/L	12.8	16.9	RL-7100
Thorium-230	U	0.00523	pCi/L	0.05	0.64	RL-7128
Tritium	U	105	pCi/L	177	292	704R7
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JUY	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	U	0.01	mg/L		0.01	SW846-8260
Acrolein	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	JU	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	JU	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	UY	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	JU	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260



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### 19983

Methylene chloride	U	0.005 mg/L	0.005	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene		0.0012 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	35 mg/L	35	EPA-410.4 1978
Cyanide	JU	0.05 mg/L	0.05	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		3.7 mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.0677 mg/L	0.01	SW846-9020B

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# Paducah-OREIS Data Report

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**MW385**

**19983**

**MW385SG2-05**

Collected: 1/20/2005

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		34	mg/L		2	SW846-9056
Fluoride		0.18	mg/L		0.1	9214
Nitrate as Nitrogen		1.6	mg/L		1	SW846-9056
Sulfate		18	mg/L		5	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic	X	0.00249	mg/L		0.001	SW846-6020
Barium		0.184	mg/L		0.005	SW846-6020
Barium, Dissolved		0.179	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	BU	0.2	mg/L		0.2	SW846-6010A
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		26.3	mg/L		1	SW846-6010A
Chromium	U	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Cobalt	U	0.001	mg/L		0.001	SW846-6020
Copper	BU	0.02	mg/L		0.02	SW846-6020
Iron	B	0.18	mg/L		0.1	SW846-6010A
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		8.16	mg/L		0.02	SW846-6010A
Manganese		0.012	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel		0.00611	mg/L		0.005	SW846-6020
Potassium		1.31	mg/L		0.2	SW846-6010A
Rhodium	BU	0.005	mg/L		0.005	SW846-6020
Selenium		0.0067	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		32.3	mg/L		1	SW846-6010A
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	BJU	0.002	mg/L		0.002	SW846-6020
Uranium	BNU	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Vanadium	JU	0.02	mg/L		0.02	SW846-6020
Zinc	UX	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		30.21	Inches/Hg			
<b>PHYSC</b>						
Conductivity		435	umho/cm			
Depth to Water		39.14	ft			
Dissolved Oxygen		4.67	mg/L			
Dissolved Solids	U	500	mg/L		500	EPA-160.1
pH		6.4	Std Unit			
Redox		78	mV			
Suspended Solids	U	25	mg/L		25	EPA-160.2
Temperature		55.2	deg F			
Total Solids	J	253	mg/L		100	EPA-160.3

\*QUALIFIER Codes See attached List.

# Paducah-OREIS Data Report

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## MW385

### 19983

Turbidity		36.7	NTU			
<b>RADS</b>						
Alpha activity	U	2.04	pCi/L	0.53	5.94	SW846-9310
Beta activity		195	pCi/L	11	5.39	SW846-9310
Iodine-131	U	0.685	pCi/L	1.37	20	RL-7124
Radium	U	0.0708	pCi/L	0.11	0.75	RL-7113
Radium-224	U	0.0326	pCi/L	0.04	0.08	RL-7129
Radium-226		0.231	pCi/L	0.1	0.09	RL-7129
Radium-228	U	0.557	pCi/L	0.08	1.43	RL-7129
Strontium-90	U	-0.0965	pCi/L	0.01	2.87	RL-7140
Technetium-99		207	pCi/L	16.9	16.9	RL-7100
Thorium-230	U	-0.017	pCi/L	0.04	0.65	RL-7128
Tritium	U	149	pCi/L	178	292	704R7
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JUY	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	U	0.01	mg/L		0.01	SW846-8260
Acrolein	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	JU	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	UY	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	JU	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260

# Paducah-OREIS Data Report

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## MW385

### 19983

Methylene chloride	U	0.005 mg/L	0.005	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	35 mg/L	35	EPA-410.4 1978
Cyanide	U	0.05 mg/L	0.05	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		1.3 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.01 mg/L	0.01	SW846-9020B

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# Paducah-OREIS Data Report

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**MW386**  
**19983**  
**MW386SG2-05**

Collected: 1/20/2005

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		33	mg/L		2	SW846-9056
Fluoride		0.38	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		17	mg/L		5	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic	X	0.00271	mg/L		0.001	SW846-6020
Barium		0.126	mg/L		0.005	SW846-6020
Barium, Dissolved		0.122	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	BU	0.2	mg/L		0.2	SW846-6010A
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		21.9	mg/L		1	SW846-6010A
Chromium	U	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Cobalt		0.00642	mg/L		0.001	SW846-6020
Copper	BU	0.02	mg/L		0.02	SW846-6020
Iron	B	8.6	mg/L		0.1	SW846-6010A
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		9.28	mg/L		0.02	SW846-6010A
Manganese		0.588	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	U	0.005	mg/L		0.005	SW846-6020
Potassium		0.452	mg/L		0.2	SW846-6010A
Rhodium	BU	0.005	mg/L		0.005	SW846-6020
Selenium	U	0.005	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		91.9	mg/L		1	SW846-6010A
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	BJU	0.002	mg/L		0.002	SW846-6020
Uranium	BNU	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Vanadium	JU	0.02	mg/L		0.02	SW846-6020
Zinc	UX	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		30.21	Inches/Hg			
<b>PHYSC</b>						
Conductivity		679	umho/cm			
Depth to Water		18.41	ft			
Dissolved Oxygen		1.97	mg/L			
Dissolved Solids	U	500	mg/L		500	EPA-160.1
pH		6.4	Std Unit			
Redox		15	mV			
Suspended Solids		28	mg/L		25	EPA-160.2
Temperature		56.2	deg F			
Total Solids	J	480	mg/L		100	EPA-160.3

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## MW386

### 19983

Turbidity		4.4	NTU			
<b>RADS</b>						
Alpha activity	U	-0.604	pCi/L	0.49	6.98	SW846-9310
Beta activity	U	1.5	pCi/L	0.41	6.3	SW846-9310
Iodine-131	U	0.551	pCi/L	1.1	16.2	RL-7124
Radium	U	0.0965	pCi/L	0.11	0.75	RL-7113
Radium-224	U	0.0111	pCi/L	0.02	0.08	RL-7129
Radium-226		0.143	pCi/L	0.09	0.09	RL-7129
Radium-228	U	0.451	pCi/L	0.07	1.35	RL-7129
Strontium-90	U	-0.135	pCi/L	0.02	2.98	RL-7140
Technetium-99	U	-0.602	pCi/L	0	16.9	RL-7100
Thorium-230	U	-0.0064	pCi/L	0.04	0.64	RL-7128
Tritium	U	77.6	pCi/L	176	292	704R7
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JUY	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	U	0.01	mg/L		0.01	SW846-8260
Acrolein	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	JU	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	UY	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	JU	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260

# Paducah-OREIS Data Report

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## MW386

### 19983

Methylene chloride	U	0.005 mg/L	0.005	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)		57 mg/L	35	EPA-410.4 1978
Cyanide	JU	0.05 mg/L	0.05	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		24 mg/L	4	SW846-9060
Total Organic Halides (TOX)		0.434 mg/L	0.01	SW846-9020B

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# Paducah-OREIS Data Report

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**MW387**  
**19983**  
**MW387SG2-05**

Collected: 1/19/2005

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride	B	48	mg/L		2	SW846-9056
Fluoride		0.99	mg/L		0.1	9214
Nitrate as Nitrogen		1.2	mg/L		1	SW846-9056
Sulfate		23	mg/L		5	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic	X	0.00329	mg/L		0.001	SW846-6020
Barium		0.184	mg/L		0.005	SW846-6020
Barium, Dissolved		0.185	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	BU	0.2	mg/L		0.2	SW846-6010A
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		33.7	mg/L		1	SW846-6010A
Chromium	U	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Cobalt	U	0.001	mg/L		0.001	SW846-6020
Copper	BU	0.02	mg/L		0.02	SW846-6020
Iron	B	0.247	mg/L		0.1	SW846-6010A
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		13.7	mg/L		0.02	SW846-6010A
Manganese		0.268	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	U	0.005	mg/L		0.005	SW846-6020
Potassium		1.91	mg/L		0.2	SW846-6010A
Rhodium	BU	0.005	mg/L		0.005	SW846-6020
Selenium		0.00925	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		54.8	mg/L		1	SW846-6010A
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	BJU	0.002	mg/L		0.002	SW846-6020
Uranium	BNU	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Vanadium	JU	0.02	mg/L		0.02	SW846-6020
Zinc	UX	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		30.27	Inches/Hg			
<b>PHYSC</b>						
Conductivity		538	umho/cm			
Depth to Water		37.15	ft			
Dissolved Oxygen		2.21	mg/L			
Dissolved Solids	U	500	mg/L		500	EPA-160.1
pH		6.3	Std Unit			
Redox		138	mV			
Suspended Solids	U	25	mg/L		25	EPA-160.2
Temperature		53.1	deg F			
Total Solids		321	mg/L		100	EPA-160.3



**MW387**

**19983**

Turbidity		7.2	NTU			
<b>RADS</b>						
Alpha activity	U	1.78	pCi/L	0.63	6.18	SW846-9310
Beta activity		91.2	pCi/L	7.49	5.58	SW846-9310
Iodine-131	U	-9.15	pCi/L	18.3	13.4	RL-7124
Radium	U	-0.108	pCi/L	0.1	0.73	RL-7113
Radium-224	U	-0.0022	pCi/L	0	0.08	RL-7129
Radium-226		0.161	pCi/L	0.09	0.09	RL-7129
Radium-228	U	0.507	pCi/L	0.08	1.99	RL-7129
Strontium-90	U	0.547	pCi/L	0.08	3.06	RL-7140
Technetium-99		132	pCi/L	15.7	17.6	RL-7100
Thorium-230	U	0.272	pCi/L	0.11	0.65	RL-7128
Tritium	U	197	pCi/L	178	292	704R7
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JUY	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	U	0.01	mg/L		0.01	SW846-8260
Acrolein	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	JU	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	JU	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	UY	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	JU	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260

# Paducah-OREIS Data Report

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## MW387

### 19983

Methylene chloride	U	0.005 mg/L	0.005	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene		0.0016 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	35 mg/L	35	EPA-410.4 1978
Cyanide	JU	0.05 mg/L	0.05	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		1.8 mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.0547 mg/L	0.01	SW846-9020B

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# Paducah-OREIS Data Report

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**MW388**

**19983**

**MW388SG2-05**

Collected: 1/19/2005

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride	B	41	mg/L		2	SW846-9056
Fluoride		0.25	mg/L		0.1	9214
Nitrate as Nitrogen		1.7	mg/L		1	SW846-9056
Sulfate		16	mg/L		5	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic	X	0.00191	mg/L		0.001	SW846-6020
Barium		0.198	mg/L		0.005	SW846-6020
Barium, Dissolved		0.19	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	BU	0.2	mg/L		0.2	SW846-6010A
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		21.4	mg/L		1	SW846-6010A
Chromium	U	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Cobalt	U	0.001	mg/L		0.001	SW846-6020
Copper	BU	0.02	mg/L		0.02	SW846-6020
Iron	B	1.21	mg/L		0.1	SW846-6010A
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		9.39	mg/L		0.02	SW846-6010A
Manganese		0.00926	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	U	0.005	mg/L		0.005	SW846-6020
Potassium		1.49	mg/L		0.2	SW846-6010A
Rhodium	BU	0.005	mg/L		0.005	SW846-6020
Selenium		0.00729	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		34.2	mg/L		1	SW846-6010A
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	BJU	0.002	mg/L		0.002	SW846-6020
Uranium	BNU	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Vanadium	JU	0.02	mg/L		0.02	SW846-6020
Zinc	UX	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		30.27	Inches/Hg			
<b>PHYSC</b>						
Conductivity		407	umho/cm			
Depth to Water		37.12	ft			
Dissolved Oxygen		4.92	mg/L			
Dissolved Solids	U	500	mg/L		500	EPA-160.1
pH		6.2	Std Unit			
Redox		194	mV			
Suspended Solids	U	25	mg/L		25	EPA-160.2
Temperature		57.3	deg F			
Total Solids		255	mg/L		100	EPA-160.3

**MW388**

**19983**

Turbidity		19.2	NTU			
<b>RADS</b>						
Alpha activity	U	-0.779	pCi/L	0.41	5.87	SW846-9310
Beta activity		37.9	pCi/L	4.51	5.34	SW846-9310
Iodine-131	U	1.12	pCi/L	2.25	16.5	RL-7124
Radium	U	0.184	pCi/L	0.11	0.73	RL-7113
Radium-224	U	0.00425	pCi/L	0.03	0.08	RL-7129
Radium-226		0.231	pCi/L	0.11	0.08	RL-7129
Radium-228		1.25	pCi/L	0.22	1.17	RL-7129
Strontium-90	U	-0.84	pCi/L	0.15	2.96	RL-7140
Technetium-99		49.8	pCi/L	13.4	17.6	RL-7100
Thorium-230	U	0.177	pCi/L	0.08	0.64	RL-7128
Tritium	U	115	pCi/L	177	292	704R7
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JUY	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	U	0.01	mg/L		0.01	SW846-8260
Acrolein	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	JU	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	JU	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	UY	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	JU	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260

# Paducah-OREIS Data Report

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## MW388

### 19983

Methylene chloride	U	0.005 mg/L	0.005	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	35 mg/L	35	EPA-410.4 1978
Cyanide	JU	0.05 mg/L	0.05	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.01 mg/L	0.01	SW846-9020B

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# Paducah-OREIS Data Report

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12/18/2007

**MW390**  
**19983**  
**MW390SG2-05**

Collected: 1/19/2005

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide		2.4	mg/L		1	SW846-9056
Chloride	BJ	260	mg/L		2	SW846-9056
Fluoride		0.2	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		6	mg/L		5	SW846-9056
<b>METAL</b>						
Aluminum		2.51	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic	X	0.00696	mg/L		0.001	SW846-6020
Barium		0.591	mg/L		0.005	SW846-6020
Barium, Dissolved		0.565	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	BU	0.2	mg/L		0.2	SW846-6010A
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		56.8	mg/L		1	SW846-6010A
Chromium		0.0216	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Cobalt		0.00141	mg/L		0.001	SW846-6020
Copper	BU	0.02	mg/L		0.02	SW846-6020
Iron	B	1.86	mg/L		0.1	SW846-6010A
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		23.3	mg/L		0.02	SW846-6010A
Manganese		0.00964	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum		0.00508	mg/L		0.001	SW846-6020
Nickel		0.00843	mg/L		0.005	SW846-6020
Potassium		0.682	mg/L		0.2	SW846-6010A
Rhodium	BU	0.005	mg/L		0.005	SW846-6020
Selenium		0.0264	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		96.7	mg/L		1	SW846-6010A
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	BJU	0.002	mg/L		0.002	SW846-6020
Uranium	BNU	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Vanadium	JU	0.02	mg/L		0.02	SW846-6020
Zinc	UX	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		30.27	Inches/Hg			
<b>PHYSC</b>						
Conductivity		1195	umho/cm			
Depth to Water		34.25	ft			
Dissolved Oxygen		2.75	mg/L			
Dissolved Solids		683	mg/L		500	EPA-160.1
pH		6.3	Std Unit			
Redox		197	mV			
Suspended Solids		33	mg/L		25	EPA-160.2
Temperature		57	deg F			
Total Solids		693	mg/L		100	EPA-160.3

# Paducah-OREIS Data Report

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## MW390

### 19983

Turbidity		45.6	NTU			
<b>RADS</b>						
Alpha activity	U	1.04	pCi/L	0.45	9.44	SW846-9310
Beta activity		83.2	pCi/L	8.63	8.53	SW846-9310
Iodine-131	U	-2.54	pCi/L	5.08	18.3	RL-7124
Radium	U	0.00426	pCi/L	0.0043	0.73	RL-7113
Radium-224	U	0.0476	pCi/L	0.06	0.09	RL-7129
Radium-226		0.155	pCi/L	0.11	0.1	RL-7129
Radium-228	U	1.41	pCi/L	0.26	1.8	RL-7129
Strontium-90	U	-0.615	pCi/L	0.11	2.91	RL-7140
Technetium-99		99.8	pCi/L	14.3	16.9	RL-7100
Thorium-230	U	0.273	pCi/L	0.09	0.64	RL-7128
Tritium	U	92.4	pCi/L	177	292	704R7
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JUY	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	U	0.01	mg/L		0.01	SW846-8260
Acrolein	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	JU	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	JU	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	UY	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	JU	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260

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## MW390

### 19983

Methylene chloride	U	0.005 mg/L	0.005	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	35 mg/L	35	EPA-410.4 1978
Cyanide	JU	0.05 mg/L	0.05	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		2.5 mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.02 mg/L	0.01	SW846-9020B

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# Paducah-OREIS Data Report

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**MW391**

**19983**

**MW391SG2-05**

Collected: 1/19/2005

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride	B	38	mg/L		2	SW846-9056
Fluoride		0.17	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		13	mg/L		5	SW846-9056
<b>METAL</b>						
Aluminum		1.1	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic	X	0.00267	mg/L		0.001	SW846-6020
Barium		0.234	mg/L		0.005	SW846-6020
Barium, Dissolved		0.209	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	BU	0.2	mg/L		0.2	SW846-6010A
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		23	mg/L		1	SW846-6010A
Chromium	U	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Cobalt	U	0.001	mg/L		0.001	SW846-6020
Copper	BU	0.02	mg/L		0.02	SW846-6020
Iron	B	5.01	mg/L		0.1	SW846-6010A
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		9.31	mg/L		0.02	SW846-6010A
Manganese		0.0559	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	U	0.005	mg/L		0.005	SW846-6020
Potassium		1.47	mg/L		0.2	SW846-6010A
Rhodium	BU	0.005	mg/L		0.005	SW846-6020
Selenium		0.00895	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		34.3	mg/L		1	SW846-6010A
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	BJU	0.002	mg/L		0.002	SW846-6020
Uranium	BNU	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Vanadium	JU	0.02	mg/L		0.02	SW846-6020
Zinc	UX	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		30.27	Inches/Hg			
<b>PHYSC</b>						
Conductivity		368	umho/cm			
Depth to Water		40.51	ft			
Dissolved Oxygen		3.87	mg/L			
Dissolved Solids	U	500	mg/L		500	EPA-160.1
pH		6.56	Std Unit			
Redox		159	mV			
Suspended Solids	U	25	mg/L		25	EPA-160.2
Temperature		57.4	deg F			
Total Solids		225	mg/L		100	EPA-160.3

**MW391**

**19983**

Turbidity		44	NTU			
<b>RADS</b>						
Alpha activity	U	-0.919	pCi/L	0.75	5.69	SW846-9310
Beta activity		5.89	pCi/L	1.3	5.21	SW846-9310
Iodine-131	U	-8.42	pCi/L	16.9	8.8	RL-7124
Radium	U	0.099	pCi/L	0.11	0.73	RL-7113
Radium-224	U	0.0365	pCi/L	0.04	0.08	RL-7129
Radium-226	U	0.0508	pCi/L	0.06	0.11	RL-7129
Radium-228	U	-0.113	pCi/L	0.02	1.93	RL-7129
Strontium-90	U	-0.328	pCi/L	0.05	3.03	RL-7140
Technetium-99	U	3.21	pCi/L	11.4	16.9	RL-7100
Thorium-230	U	0.375	pCi/L	0.12	0.65	RL-7128
Tritium	U	126	pCi/L	177	292	704R7
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JUY	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	U	0.01	mg/L		0.01	SW846-8260
Acrolein	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	JU	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	JU	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	JUY	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	JU	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260

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## MW391

### 19983

Methylene chloride	U	0.005 mg/L	0.005	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene		0.0089 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	35 mg/L	35	EPA-410.4 1978
Cyanide	JU	0.05 mg/L	0.05	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.0113 mg/L	0.01	SW846-9020B

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# Paducah-OREIS Data Report

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**MW392**  
**19983**  
**MW392SG2-05**

Collected: 1/19/2005

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride	B	45	mg/L		2	SW846-9056
Fluoride		0.23	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		8.2	mg/L		5	SW846-9056
<b>METAL</b>						
Aluminum		0.467	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic	X	0.003	mg/L		0.001	SW846-6020
Barium		0.207	mg/L		0.005	SW846-6020
Barium, Dissolved		0.195	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	BU	0.2	mg/L		0.2	SW846-6010A
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		24.2	mg/L		1	SW846-6010A
Chromium	U	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Cobalt	U	0.001	mg/L		0.001	SW846-6020
Copper	BU	0.02	mg/L		0.02	SW846-6020
Iron	B	3.74	mg/L		0.1	SW846-6010A
Lead	BU	0.005	mg/L		0.005	SW846-6020
Magnesium		9.17	mg/L		0.02	SW846-6010A
Manganese		0.472	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	U	0.005	mg/L		0.005	SW846-6020
Potassium		1.84	mg/L		0.2	SW846-6010A
Rhodium	BU	0.005	mg/L		0.005	SW846-6020
Selenium	U	0.005	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		49.8	mg/L		1	SW846-6010A
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	BJU	0.002	mg/L		0.002	SW846-6020
Uranium	NU	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Vanadium	JU	0.02	mg/L		0.02	SW846-6020
Zinc	UX	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		30.27	Inches/Hg			
<b>PHYSC</b>						
Conductivity		443	umho/cm			
Depth to Water		39.67	ft			
Dissolved Oxygen		1.11	mg/L			
Dissolved Solids	U	500	mg/L		500	EPA-160.1
pH		6.73	Std Unit			
Redox		60	mV			
Suspended Solids	U	25	mg/L		25	EPA-160.2
Temperature		55.2	deg F			
Total Solids		268	mg/L		100	EPA-160.3

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## MW392

### 19983

Turbidity		12.1	NTU			
<b>RADS</b>						
Alpha activity	U	-1.35	pCi/L	1.35	6.03	SW846-9310
Beta activity	U	1.63	pCi/L	0.44	5.46	SW846-9310
Iodine-131	U	-2.34	pCi/L	4.68	15.4	RL-7124
Radium	U	-0.0085	pCi/L	0.0085	0.73	RL-7113
Radium-224	U	0.0104	pCi/L	0.02	0.08	RL-7129
Radium-226	U	0.0397	pCi/L	0.06	0.09	RL-7129
Radium-228	U	1.42	pCi/L	0.22	1.58	RL-7129
Strontium-90	U	-1.18	pCi/L	0.22	2.91	RL-7140
Technetium-99	U	-3.56	pCi/L	0	16.9	RL-7100
Thorium-230	U	0.149	pCi/L	0.09	0.65	RL-7128
Tritium	U	103	pCi/L	177	292	704R7
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JUY	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	U	0.01	mg/L		0.01	SW846-8260
Acrolein	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	JU	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	JU	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	JUY	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	JU	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260

# Paducah-OREIS Data Report

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## MW392

### 19983

Methylene chloride	U	0.005 mg/L	0.005	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene		0.0096 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	35 mg/L	35	EPA-410.4 1978
Cyanide	JU	0.05 mg/L	0.05	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		2.9 mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.0616 mg/L	0.01	SW846-9020B

# Paducah-OREIS Data Report

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**MW393**  
**19983**  
**MW393SG2-05**

Collected: 1/19/2005

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride	B	22	mg/L		2	SW846-9056
Fluoride		0.17	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		5.8	mg/L		5	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic	X	0.00299	mg/L		0.001	SW846-6020
Barium		0.104	mg/L		0.005	SW846-6020
Barium, Dissolved		0.0849	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	BU	0.2	mg/L		0.2	SW846-6010A
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		12.9	mg/L		1	SW846-6010A
Chromium	U	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Cobalt	U	0.001	mg/L		0.001	SW846-6020
Copper	BU	0.02	mg/L		0.02	SW846-6020
Iron	B	7.31	mg/L		0.1	SW846-6010A
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		4.12	mg/L		0.02	SW846-6010A
Manganese		0.0454	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	U	0.005	mg/L		0.005	SW846-6020
Potassium		0.438	mg/L		0.2	SW846-6010A
Rhodium	BU	0.005	mg/L		0.005	SW846-6020
Selenium	U	0.005	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		90	mg/L		1	SW846-6010A
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	BJU	0.002	mg/L		0.002	SW846-6020
Uranium	BNU	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Vanadium	JU	0.02	mg/L		0.02	SW846-6020
Zinc	UX	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		30.27	Inches/Hg			
<b>PHYSC</b>						
Conductivity		503	umho/cm			
Depth to Water		26.59	ft			
Dissolved Oxygen		1.1	mg/L			
Dissolved Solids	U	500	mg/L		500	EPA-160.1
pH		6.66	Std Unit			
Redox		-13	mV			
Suspended Solids	U	25	mg/L		25	EPA-160.2
Temperature		56.4	deg F			
Total Solids		334	mg/L		100	EPA-160.3

**MW393**

**19983**

Turbidity		5.7	NTU			
<b>RADS</b>						
Alpha activity	U	-1.81	pCi/L	2.09	6.43	SW846-9310
Beta activity	U	1.03	pCi/L	0.29	5.79	SW846-9310
Iodine-131	U	6.11	pCi/L	12.2	20.4	RL-7124
Radium	U	-0.124	pCi/L	0.12	0.73	RL-7113
Radium-224	U	0.00994	pCi/L	0.02	0.08	RL-7129
Radium-226	U	0.0536	pCi/L	0.05	0.19	RL-7129
Radium-228	U	1.06	pCi/L	0.17	1.75	RL-7129
Strontium-90	U	0.0761	pCi/L	0.01	3.13	RL-7140
Technetium-99	U	-1.91	pCi/L	0	16.9	RL-7100
Thorium-230	U	0.146	pCi/L	0.08	0.65	RL-7128
Tritium	U	134	pCi/L	177	292	704R7
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JUY	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	U	0.01	mg/L		0.01	SW846-8260
Acrolein	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	JU	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	JU	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	JUY	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	JU	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260



# Paducah-OREIS Data Report

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## MW393

### 19983

Methylene chloride	U	0.005 mg/L	0.005	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	35 mg/L	35	EPA-410.4 1978
Cyanide	JU	0.05 mg/L	0.05	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		8.9 mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.111 mg/L	0.01	SW846-9020B

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# Paducah-OREIS Data Report

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**MW394**

**19983**

**MW394SG2-05**

Collected: 1/18/2005

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride	N	62	mg/L		10	SW846-9056
Fluoride		0.14	mg/L		0.1	9214
Nitrate as Nitrogen		1.8	mg/L		1	SW846-9056
Sulfate		8.1	mg/L		5	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic	X	0.00285	mg/L		0.001	SW846-6020
Barium		0.272	mg/L		0.005	SW846-6020
Barium, Dissolved		0.263	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	BU	0.2	mg/L		0.2	SW846-6010A
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		32.2	mg/L		1	SW846-6010A
Chromium	U	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Cobalt	U	0.001	mg/L		0.001	SW846-6020
Copper	BU	0.02	mg/L		0.02	SW846-6020
Iron	B	1.81	mg/L		0.1	SW846-6010A
Lead	BU	0.005	mg/L		0.005	SW846-6020
Magnesium		13	mg/L		0.02	SW846-6010A
Manganese		0.013	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	U	0.005	mg/L		0.005	SW846-6020
Potassium		1.32	mg/L		0.2	SW846-6010A
Rhodium	BU	0.005	mg/L		0.005	SW846-6020
Selenium		0.00987	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		29.2	mg/L		1	SW846-6010A
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	BJU	0.002	mg/L		0.002	SW846-6020
Uranium	BNU	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Vanadium	JU	0.02	mg/L		0.02	SW846-6020
Zinc	UX	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		30.86	Inches/Hg			
<b>PHYSC</b>						
Conductivity		425	umho/cm			
Depth to Water		53.23	ft			
Dissolved Oxygen		5.26	mg/L			
Dissolved Solids	U	500	mg/L		500	EPA-160.1
pH		6.4	Std Unit			
Redox		177	mV			
Suspended Solids	U	25	mg/L		25	EPA-160.2
Temperature		52.3	deg F			
Total Solids		253	mg/L		100	EPA-160.3

**MW394**

**19983**

Turbidity		34.2	NTU			
<b>RADS</b>						
Alpha activity	U	0.712	pCi/L	0.45	5.61	SW846-9310
Beta activity	U	4.44	pCi/L	1.04	5.15	SW846-9310
Iodine-131	U	-3.59	pCi/L	7.18	17.4	RL-7124
Radium	U	0.298	pCi/L	0.11	0.73	RL-7113
Radium-224	U	-0.0022	pCi/L	0	0.08	RL-7129
Radium-226	U	0.0319	pCi/L	0.04	0.21	RL-7129
Radium-228	U	7.9E-14	pCi/L	2E-14	1.77	RL-7129
Strontium-90	U	-0.414	pCi/L	0.07	3.01	RL-7140
Technetium-99	U	6.51	pCi/L	12.1	17.6	RL-7100
Thorium-230	U	0.106	pCi/L	0.07	0.64	RL-7128
Tritium	U	149	pCi/L	178	292	704R7
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JUY	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	U	0.01	mg/L		0.01	SW846-8260
Acrolein	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	JU	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	JU	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	JU	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260

# Paducah-OREIS Data Report

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## MW394

### 19983

Methylene chloride	U	0.005 mg/L	0.005	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene		0.011 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	35 mg/L	35	EPA-410.4 1978
Cyanide	JU	0.05 mg/L	0.05	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.0175 mg/L	0.01	SW846-9020B

# Paducah-OREIS Data Report

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12/18/2007

**MW395**

**19983**

**MW395SG2-05**

Collected: 1/18/2005

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride	N	60	mg/L		10	SW846-9056
Fluoride		0.12	mg/L		0.1	9214
Nitrate as Nitrogen		1.8	mg/L		1	SW846-9056
Sulfate		8.4	mg/L		5	SW846-9056
<b>METAL</b>						
Aluminum	NU	0.2	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic		0.00145	mg/L		0.001	SW846-6020
Barium		0.261	mg/L		0.005	SW846-6020
Barium, Dissolved		0.258	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	BU	0.2	mg/L		0.2	SW846-6010A
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		30.2	mg/L		1	SW846-6010A
Chromium	U	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Cobalt	NUX	0.001	mg/L		0.001	SW846-6020
Copper	NU	0.02	mg/L		0.02	SW846-6020
Iron	B	0.52	mg/L		0.1	SW846-6010A
Lead	BU	0.005	mg/L		0.005	SW846-6020
Magnesium		12.3	mg/L		0.02	SW846-6010A
Manganese		0.00669	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	U	0.001	mg/L		0.001	SW846-6020
Nickel	NUX	0.005	mg/L		0.005	SW846-6020
Potassium		1.49	mg/L		0.2	SW846-6010A
Rhodium	U	0.005	mg/L		0.005	SW846-6020
Selenium		0.00619	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		24.9	mg/L		1	SW846-6010A
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	BU	0.002	mg/L		0.002	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	UX	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		30.86	Inches/Hg			
<b>PHYSC</b>						
Conductivity		409	umho/cm			
Depth to Water		53.74	ft			
Dissolved Oxygen		3.85	mg/L			
Dissolved Solids	U	500	mg/L		500	EPA-160.1
pH		6.33	Std Unit			
Redox		164	mV			
Suspended Solids	U	25	mg/L		25	EPA-160.2
Temperature		55.1	deg F			
Total Solids		237	mg/L		100	EPA-160.3

**MW395**

**19983**

Turbidity		40.6	NTU			
<b>RADS</b>						
Alpha activity	U	0.171	pCi/L	0.11	5.65	SW846-9310
Beta activity		6.31	pCi/L	1.37	5.18	SW846-9310
Iodine-131	U	4.87	pCi/L	9.75	19.1	RL-7124
Radium	U	0.201	pCi/L	0.11	0.73	RL-7113
Radium-224	U	-0.0022	pCi/L	0	0.09	RL-7129
Radium-226	U	0.0564	pCi/L	0.07	0.18	RL-7129
Radium-228	U	0.778	pCi/L	0.15	2.18	RL-7129
Strontium-90	U	-0.733	pCi/L	0.13	2.96	RL-7140
Technetium-99	U	4.72	pCi/L	11.9	17.6	RL-7100
Thorium-230	U	-0.0305	pCi/L	0.04	0.64	RL-7128
Tritium	U	12.6	pCi/L	175	292	704R7
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JUY	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	U	0.01	mg/L		0.01	SW846-8260
Acrolein	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	JU	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	JU	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	JU	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260

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## MW395

### 19983

Methylene chloride	U	0.005 mg/L	0.005	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene		0.0086 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	35 mg/L	35	EPA-410.4 1978
Cyanide	JU	0.05 mg/L	0.05	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.0117 mg/L	0.01	SW846-9020B

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# Paducah-OREIS Data Report

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**MW396**  
**19983**  
**MW396SG2-05**

Collected: 1/18/2005

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide		1.5	mg/L		1	SW846-9056
Chloride	N	100	mg/L		10	SW846-9056
Fluoride		0.48	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		19	mg/L		5	SW846-9056
<b>METAL</b>						
Aluminum		0.74	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic	X	0.00339	mg/L		0.001	SW846-6020
Barium		0.3	mg/L		0.005	SW846-6020
Barium, Dissolved		0.287	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	BU	0.2	mg/L		0.2	SW846-6010A
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		42.7	mg/L		1	SW846-6010A
Chromium	U	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Cobalt		0.00418	mg/L		0.001	SW846-6020
Copper	BU	0.02	mg/L		0.02	SW846-6020
Iron	B	1.47	mg/L		0.1	SW846-6010A
Lead	BU	0.005	mg/L		0.005	SW846-6020
Magnesium		18	mg/L		0.02	SW846-6010A
Manganese		0.556	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	B	0.00143	mg/L		0.001	SW846-6020
Nickel		0.00573	mg/L		0.005	SW846-6020
Potassium		1.38	mg/L		0.2	SW846-6010A
Rhodium	BU	0.005	mg/L		0.005	SW846-6020
Selenium		0.0138	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		155	mg/L		1	SW846-6010A
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	BJU	0.002	mg/L		0.002	SW846-6020
Uranium	BNU	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Vanadium	JU	0.02	mg/L		0.02	SW846-6020
Zinc	UX	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		30.86	Inches/Hg			
<b>PHYSC</b>						
Conductivity		1010	umho/cm			
Depth to Water		6.31	ft			
Dissolved Oxygen		1.19	mg/L			
Dissolved Solids		569	mg/L		500	EPA-160.1
pH		6.93	Std Unit			
Redox		104	mV			
Suspended Solids	U	25	mg/L		25	EPA-160.2
Temperature		54.7	deg F			
Total Solids		597	mg/L		100	EPA-160.3



**MW396**

**19983**

Turbidity		12.7	NTU			
<b>RADS</b>						
Alpha activity	U	-2	pCi/L	1.79	9.5	SW846-9310
Beta activity	U	7.92	pCi/L	1.83	8.59	SW846-9310
Iodine-131	U	7.18	pCi/L	14.4	21.4	RL-7124
Radium	U	0.182	pCi/L	0.11	0.73	RL-7113
Radium-224	U	-0.0022	pCi/L	0	0.09	RL-7129
Radium-226	U	0.0844	pCi/L	0.08	0.24	RL-7129
Radium-228	U	0.842	pCi/L	0.15	1.88	RL-7129
Strontium-90	U	-0.73	pCi/L	0.13	3.21	RL-7140
Technetium-99	U	12	pCi/L	12.2	17.6	RL-7100
Thorium-230	U	0.00196	pCi/L	0.05	0.65	RL-7128
Tritium	U	-71.4	pCi/L	174	292	704R7
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JUY	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	U	0.01	mg/L		0.01	SW846-8260
Acrolein	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	JU	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	JU	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	JU	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260

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## MW396

### 19983

Methylene chloride	U	0.005 mg/L	0.005	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	35 mg/L	35	EPA-410.4 1978
Cyanide	JU	0.05 mg/L	0.05	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		5.9 mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.139 mg/L	0.01	SW846-9020B

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# Paducah-OREIS Data Report

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**MW397**

**19983**

**MW397SG2-05**

Collected: 1/20/2005

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		43	mg/L		2	SW846-9056
Fluoride		0.14	mg/L		0.1	9214
Nitrate as Nitrogen		1.6	mg/L		1	SW846-9056
Sulfate		12	mg/L		5	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic	X	0.00184	mg/L		0.001	SW846-6020
Barium		0.15	mg/L		0.005	SW846-6020
Barium, Dissolved		0.15	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	BU	0.2	mg/L		0.2	SW846-6010A
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		16	mg/L		1	SW846-6010A
Chromium	U	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Cobalt	U	0.001	mg/L		0.001	SW846-6020
Copper	BU	0.02	mg/L		0.02	SW846-6020
Iron	B	0.104	mg/L		0.1	SW846-6010A
Lead	BU	0.005	mg/L		0.005	SW846-6020
Magnesium		6.74	mg/L		0.02	SW846-6010A
Manganese	U	0.005	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	U	0.005	mg/L		0.005	SW846-6020
Potassium		1.37	mg/L		0.2	SW846-6010A
Rhodium	BU	0.005	mg/L		0.005	SW846-6020
Selenium		0.00852	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		28.1	mg/L		1	SW846-6010A
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	BJU	0.002	mg/L		0.002	SW846-6020
Uranium	BNU	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Vanadium	JU	0.02	mg/L		0.02	SW846-6020
Zinc	UX	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		30.21	Inches/Hg			
<b>PHYSC</b>						
Conductivity		348	umho/cm			
Depth to Water		61	ft			
Dissolved Oxygen		5.47	mg/L			
Dissolved Solids	U	500	mg/L		500	EPA-160.1
pH		6	Std Unit			
Redox		280	mV			
Suspended Solids	U	25	mg/L		25	EPA-160.2
Temperature		56.5	deg F			
Total Solids	J	202	mg/L		100	EPA-160.3

# Paducah-OREIS Data Report

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## MW397

### 19983

Turbidity		46.7	NTU			
<b>RADS</b>						
Alpha activity	U	-1.75	pCi/L	1.56	5.62	SW846-9310
Beta activity		10.9	pCi/L	2.03	5.16	SW846-9310
Iodine-131	U	5.53	pCi/L	11.1	24.7	RL-7124
Radium	U	0.0268	pCi/L	0.11	0.75	RL-7113
Radium-224	U	0.036	pCi/L	0.04	0.08	RL-7129
Radium-226		0.119	pCi/L	0.08	0.08	RL-7129
Radium-228	U	0	pCi/L	0	1.37	RL-7129
Strontium-90	U	-0.276	pCi/L	0.04	3.01	RL-7140
Technetium-99	U	3.11	pCi/L	11.4	16.9	RL-7100
Thorium-230	U	0.171	pCi/L	0.08	0.64	RL-7128
Tritium	U	105	pCi/L	177	292	704R7
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JUY	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	U	0.01	mg/L		0.01	SW846-8260
Acrolein	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	JU	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	UY	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	JU	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260

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## MW397

### 19983

Methylene chloride	U	0.005 mg/L	0.005	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	35 mg/L	35	EPA-410.4 1978
Cyanide	U	0.05 mg/L	0.05	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.01 mg/L	0.01	SW846-9020B

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# Paducah-OREIS Data Report

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**MW66**

**20025**

**MW66M3-05**

Collected: 3/9/2005

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METEO</b>						
Barometric Pressure Reading		30.01	Inches/Hg			
<b>PHYSC</b>						
Conductivity		393	umho/cm			
Depth to Water		42.71	ft			
Dissolved Oxygen		5.09	mg/L			
pH		6.18	Std Unit			
Redox		256	mV			
Temperature		58.4	deg F			
Turbidity		9.4	NTU			
<b>RADS</b>						
Alpha activity		68	pCi/L	6.19	3.89	SW846-9310
Beta activity		1240	pCi/L	27.3	4.72	SW846-9310
Technetium-99		1740	pCi/L	40	17.3	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.05	mg/L		0.05	SW846-8260
1,1,2-Trichloroethane	U	0.05	mg/L		0.05	SW846-8260
1,1-Dichloroethane	U	0.05	mg/L		0.05	SW846-8260
1,1-Dichloroethene	U	0.05	mg/L		0.05	SW846-8260
1,2-Dichloroethane	U	0.05	mg/L		0.05	SW846-8260
Benzene	U	0.05	mg/L		0.05	SW846-8260
Bromodichloromethane	U	0.05	mg/L		0.05	SW846-8260
Carbon tetrachloride	U	0.05	mg/L		0.05	SW846-8260
Chloroform	U	0.05	mg/L		0.05	SW846-8260
cis-1,2-Dichloroethene	U	0.05	mg/L		0.05	SW846-8260
Ethylbenzene	U	0.05	mg/L		0.05	SW846-8260
Tetrachloroethene	U	0.05	mg/L		0.05	SW846-8260
Toluene	U	0.05	mg/L		0.05	SW846-8260
Total Xylene	U	0.15	mg/L		0.15	SW846-8260
trans-1,2-Dichloroethene	U	0.05	mg/L		0.05	SW846-8260
Trichloroethene	D	9.4	mg/L		0.2	SW846-8260
Vinyl chloride	U	0.02	mg/L		0.02	SW846-8260

# Paducah-OREIS Data Report

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## MW245 20073 MW245QS2-05

Collected: 2/2/2005

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum		6	mg/L		0.2	SW846-6010A
Aluminum, Dissolved	U	0.2	mg/L		0.2	SW846-6010A
Calcium		29.5	mg/L		1	SW846-6010A
Calcium, Dissolved		31	mg/L		1	SW846-6010A
Iron		40.7	mg/L		0.1	SW846-6010A
Iron, Dissolved		35.7	mg/L		0.1	SW846-6010A
Magnesium		12.1	mg/L		0.02	SW846-6010A
Magnesium, Dissolved		12.3	mg/L		0.02	SW846-6010A
Manganese	X	12.9	mg/L		0.5	SW846-6020
Manganese, Dissolved		13.3	mg/L		0.5	SW846-6020
Potassium		1.87	mg/L		0.2	SW846-6010A
Potassium, Dissolved		1.18	mg/L		0.2	SW846-6010A
Sodium		25.8	mg/L		1	SW846-6010A
Sodium, Dissolved		26.3	mg/L		1	SW846-6010A
<b>METEO</b>						
Barometric Pressure Reading		30.42	Inches/Hg			
<b>PHYSC</b>						
Conductivity		556	umho/cm			
Depth to Water		41.49	ft			
Dissolved Oxygen		1.1	mg/L			
pH		6.27	Std Unit			
Redox		19	mV			
Temperature		59.4	deg F			
Turbidity		129	NTU			
<b>RADS</b>						
Alpha activity	U	0.574	pCi/L	0.43	4.97	SW846-9310
Beta activity	U	2.22	pCi/L	0.58	5.34	SW846-9310
Technetium-99	U	11.1	pCi/L	11.4	16.4	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.01	mg/L		0.01	SW846-8260
1,1,2-Trichloroethane	U	0.01	mg/L		0.01	SW846-8260
1,1-Dichloroethane	U	0.01	mg/L		0.01	SW846-8260
1,1-Dichloroethene	U	0.01	mg/L		0.01	SW846-8260
1,2-Dichloroethane	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.01	mg/L		0.01	SW846-8260
Bromodichloromethane	U	0.01	mg/L		0.01	SW846-8260
Carbon tetrachloride	U	0.01	mg/L		0.01	SW846-8260
Chloroform	U	0.01	mg/L		0.01	SW846-8260
cis-1,2-Dichloroethene	U	0.01	mg/L		0.01	SW846-8260
Ethylbenzene	U	0.01	mg/L		0.01	SW846-8260
Tetrachloroethene	U	0.01	mg/L		0.01	SW846-8260
Toluene	U	0.01	mg/L		0.01	SW846-8260
Total Xylene	U	0.03	mg/L		0.03	SW846-8260
trans-1,2-Dichloroethene	U	0.01	mg/L		0.01	SW846-8260
Trichloroethene	D	0.12	mg/L		0.002	SW846-8260
Vinyl chloride	U	0.004	mg/L		0.004	SW846-8260
<b>WETCHEM</b>						
Phosphate as Phosphorous	U	2	mg/L		2	SW846-9056
Silica		28	mg/L		1	EPA-370.1

MW245  
20073

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# Paducah-OREIS Data Report

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**MW369**

**20110**

**120405**

Collected: 12/9/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METEO</b>						
Barometric Pressure Reading	U	29.83	Inches/Hg			
<b>PHYSC</b>						
Conductivity	U	418	umho/cm			
Depth to Water	U	40.84	ft			
Dissolved Oxygen	U	135	mg/L			
pH	U	6.3	Std Unit			
Redox	U	70	mV			
Temperature	U	59.5	deg F			
Turbidity	U	10.7	NTU			
<b>PCCB</b>						
PCB-1016	U	0.001	mg/L		0.001	SW846-8082
PCB-1221	U	0.001	mg/L		0.001	SW846-8082
PCB-1232	U	0.001	mg/L		0.001	SW846-8082
PCB-1242	U	0.001	mg/L		0.001	SW846-8082
PCB-1248	U	0.001	mg/L		0.001	SW846-8082
PCB-1254	U	0.001	mg/L		0.001	SW846-8082
PCB-1260	U	0.001	mg/L		0.001	SW846-8082
PCB-1262	U	0.001	mg/L		0.001	SW846-8082
PCB-1268	U	0.001	mg/L		0.001	SW846-8082

# Paducah-OREIS Data Report

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**MW220**  
**20147**  
**MW220SG3-05**

Collected: 4/25/2005

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	5	mg/L		5	SW846-9056
Chloride		31	mg/L		2	SW846-9056
Fluoride		0.22	mg/L		0.1	9214
Nitrate as Nitrogen		1.1	mg/L		1	SW846-9056
Sulfate		15	mg/L		5	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic	B	0.00103	mg/L		0.001	SW846-6020
Barium	X	0.3	mg/L		0.005	SW846-6020
Barium, Dissolved		0.297	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	BU	0.2	mg/L		0.2	SW846-6010A
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		25.2	mg/L		1	SW846-6010A
Chromium	U	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Cobalt		0.00354	mg/L		0.001	SW846-6020
Copper	U	0.02	mg/L		0.02	SW846-6020
Iron		0.136	mg/L		0.1	SW846-6010A
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		10.2	mg/L		0.02	SW846-6010A
Manganese	X	0.071	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum		0.00997	mg/L		0.001	SW846-6020
Nickel		0.129	mg/L		0.005	SW846-6020
Potassium		17.3	mg/L		0.2	SW846-6010A
Rhodium	BU	0.005	mg/L		0.005	SW846-6020
Selenium	BJU	0.005	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		42.4	mg/L		1	SW846-6010A
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	BU	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.77	Inches/Hg			
<b>PHYSC</b>						
Conductivity		431	umho/cm			
Depth to Water		52.35	ft			
Dissolved Oxygen		1.74	mg/L			
Dissolved Solids	U	500	mg/L		500	EPA-160.1
pH		6.32	Std Unit			
Redox		263	mV			
Suspended Solids	U	17	mg/L		17	EPA-160.2
Temperature		60.4	deg F			
Total Solids		262	mg/L		150	EPA-160.3

**MW220**

**20147**

Turbidity		5	NTU			
<b>RADS</b>						
Alpha activity	U	0.09	pCi/L	0.05	5.36	SW846-9310
Beta activity		24.2	pCi/L	3.53	4.63	SW846-9310
Iodine-131	U	-4.55	pCi/L	9.11	29.8	RL-7124
Radium	U	0.257	pCi/L	0.12	0.74	RL-7113
Radium-224	U	-0.0126	pCi/L	0.02	0.25	RL-7129
Radium-226		0.789	pCi/L	0.38	0.31	RL-7129
Radium-228	U	3.64	pCi/L	0.62	5.47	RL-7129
Strontium-90	U	0.279	pCi/L	0.04	1.46	RL-7140
Technetium-99	U	12.9	pCi/L	14.9	20.1	RL-7100
Thorium-230	U	0.348	pCi/L	0.11	0.4	RL-7128
Tritium	U	-20.9	pCi/L	171	285	704R7
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JUY	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L		0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	J	0.017	mg/L		0.01	SW846-8260
Acrolein	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	UY	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260

# Paducah-OREIS Data Report

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## MW220

### 20147

Methylene chloride	U	0.005 mg/L	0.005	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Cyanide	U	0.05 mg/L	0.05	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.01 mg/L	0.01	SW846-9020B

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# Paducah-OREIS Data Report

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12/18/2007

**MW221**

**20147**

**MW221SG3-05**

Collected: 4/25/2005

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	5	mg/L		5	SW846-9056
Chloride		42	mg/L		2	SW846-9056
Fluoride		0.19	mg/L		0.1	9214
Nitrate as Nitrogen		1.9	mg/L		1	SW846-9056
Sulfate		12	mg/L		1	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic	BU	0.001	mg/L		0.001	SW846-6020
Barium	X	0.24	mg/L		0.005	SW846-6020
Barium, Dissolved		0.239	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	BU	0.2	mg/L		0.2	SW846-6010A
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		21.9	mg/L		1	SW846-6010A
Chromium	U	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Cobalt		0.00173	mg/L		0.001	SW846-6020
Copper	U	0.02	mg/L		0.02	SW846-6020
Iron	U	0.1	mg/L		0.1	SW846-6010A
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		9.52	mg/L		0.02	SW846-6010A
Manganese	X	0.0157	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum		0.00446	mg/L		0.001	SW846-6020
Nickel		0.0731	mg/L		0.005	SW846-6020
Potassium		1.44	mg/L		0.2	SW846-6010A
Rhodium	BU	0.005	mg/L		0.005	SW846-6020
Selenium	BJ	0.00553	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		45.2	mg/L		1	SW846-6010A
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	BU	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.77	Inches/Hg			
<b>PHYSC</b>						
Conductivity		380	umho/cm			
Depth to Water		61.91	ft			
Dissolved Oxygen		4.56	mg/L			
Dissolved Solids	U	500	mg/L		500	EPA-160.1
pH		6.16	Std Unit			
Redox		239	mV			
Suspended Solids	U	17	mg/L		17	EPA-160.2
Temperature		58.4	deg F			
Total Solids		233	mg/L		150	EPA-160.3

# Paducah-OREIS Data Report

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## MW221

### 20147

Turbidity		15	NTU			
<b>RADS</b>						
Alpha activity	U	-2.15	pCi/L	4.3	5.2	SW846-9310
Beta activity		7.04	pCi/L	1.58	4.51	SW846-9310
Iodine-131	U	-1.69	pCi/L	3.38	29.6	RL-7124
Radium	U	0.0761	pCi/L	0.11	0.74	RL-7113
Radium-224	U	-0.0155	pCi/L	0.02	0.27	RL-7129
Radium-226	U	0.175	pCi/L	0.23	0.34	RL-7129
Radium-228	U	2.92	pCi/L	0.52	7.39	RL-7129
Strontium-90	U	0.61	pCi/L	0.09	1.66	RL-7140
Technetium-99	U	5.6	pCi/L	14.6	20.1	RL-7100
Thorium-230		0.482	pCi/L	0.14	0.4	RL-7128
Tritium	U	-39.6	pCi/L	170	285	704R7
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JUY	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L		0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	JU	0.01	mg/L		0.01	SW846-8260
Acrolein	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	JUY	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260

# Paducah-OREIS Data Report

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## MW221

### 20147

Methylene chloride	U	0.005 mg/L	0.005	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Cyanide	U	0.05 mg/L	0.05	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.01 mg/L	0.01	SW846-9020B

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# Paducah-OREIS Data Report

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12/18/2007

**MW222**  
**20147**  
**MW222SG3-05**

Collected: 4/25/2005

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	5	mg/L		5	SW846-9056
Chloride		40	mg/L		2	SW846-9056
Fluoride		0.22	mg/L		0.1	9214
Nitrate as Nitrogen		1.2	mg/L		1	SW846-9056
Sulfate		12	mg/L		1	SW846-9056
<b>METAL</b>						
Aluminum		1.09	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic	B	0.00214	mg/L		0.001	SW846-6020
Barium	X	0.594	mg/L		0.005	SW846-6020
Barium, Dissolved		0.592	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	BU	0.2	mg/L		0.2	SW846-6010A
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		19.6	mg/L		1	SW846-6010A
Chromium	U	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Cobalt		0.0208	mg/L		0.001	SW846-6020
Copper	U	0.02	mg/L		0.02	SW846-6020
Iron		1.47	mg/L		0.1	SW846-6010A
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		8.85	mg/L		0.02	SW846-6010A
Manganese	X	3.42	mg/L		0.02	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	U	0.001	mg/L		0.001	SW846-6020
Nickel		0.0171	mg/L		0.005	SW846-6020
Potassium		0.68	mg/L		0.2	SW846-6010A
Rhodium	BU	0.005	mg/L		0.005	SW846-6020
Selenium	BJ	0.00541	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		47.9	mg/L		1	SW846-6010A
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	BU	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.77	Inches/Hg			
<b>PHYSC</b>						
Conductivity		378	umho/cm			
Depth to Water		65.96	ft			
Dissolved Oxygen		1.69	mg/L			
Dissolved Solids	U	500	mg/L		500	EPA-160.1
pH		6.47	Std Unit			
Redox		257	mV			
Suspended Solids	U	17	mg/L		17	EPA-160.2
Temperature		60.9	deg F			
Total Solids		248	mg/L		150	EPA-160.3

\*QUALIFIER Codes See attached List.



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## MW222

### 20147

Turbidity		17.4	NTU			
<b>RADS</b>						
Alpha activity	U	0.191	pCi/L	0.14	5.23	SW846-9310
Beta activity		7.53	pCi/L	1.66	4.53	SW846-9310
Iodine-131	U	3.83	pCi/L	7.65	29.9	RL-7124
Radium	U	0.0504	pCi/L	0.11	0.74	RL-7113
Radium-224	U	0.144	pCi/L	0.16	0.23	RL-7129
Radium-226	U	0.173	pCi/L	0.18	0.31	RL-7129
Radium-228		8.42	pCi/L	1.31	6.75	RL-7129
Strontium-90	U	0.802	pCi/L	0.12	1.41	RL-7140
Technetium-99	U	5.41	pCi/L	14.5	20.1	RL-7100
Thorium-230	U	0.00677	pCi/L	0.07	0.4	RL-7128
Tritium	U	-75.1	pCi/L	170	285	704R7
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JUY	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L		0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	JU	0.01	mg/L		0.01	SW846-8260
Acrolein	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	JUY	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260

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## MW222

### 20147

Methylene chloride	U	0.005 mg/L	0.005	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Cyanide	U	0.05 mg/L	0.05	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.01 mg/L	0.01	SW846-9020B

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# Paducah-OREIS Data Report

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## MW223 20147 MW223SG3-05

Collected: 4/26/2005

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	5	mg/L		5	SW846-9056
Chloride		37	mg/L		1	SW846-9056
Fluoride		0.3	mg/L		0.1	9214
Nitrate as Nitrogen	*	1.5	mg/L		1	SW846-9056
Sulfate		11	mg/L		1	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic	U	0.001	mg/L		0.001	SW846-6020
Barium		0.283	mg/L		0.005	SW846-6020
Barium, Dissolved		0.288	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	BU	0.2	mg/L		0.2	SW846-6010A
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		19.4	mg/L		1	SW846-6010A
Chromium	U	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Cobalt		0.00174	mg/L		0.001	SW846-6020
Copper	U	0.02	mg/L		0.02	SW846-6020
Iron	U	0.1	mg/L		0.1	SW846-6010A
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		7.98	mg/L		0.02	SW846-6010A
Manganese		0.426	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum		0.00874	mg/L		0.001	SW846-6020
Nickel		0.075	mg/L		0.005	SW846-6020
Potassium		2.7	mg/L		0.2	SW846-6010A
Rhodium	BU	0.005	mg/L		0.005	SW846-6020
Selenium	U	0.005	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		40.2	mg/L		1	SW846-6010A
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	BU	0.002	mg/L		0.002	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	BU	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.44	Inches/Hg			
<b>PHYSC</b>						
Conductivity		366	umho/cm			
Depth to Water		64.83	ft			
Dissolved Oxygen		3.42	mg/L			
Dissolved Solids	U	500	mg/L		500	EPA-160.1
pH		6.25	Std Unit			
Redox		245	mV			
Suspended Solids	U	17	mg/L		17	EPA-160.2
Temperature		58.4	deg F			
Total Solids		218	mg/L		150	EPA-160.3

# Paducah-OREIS Data Report

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## MW223

### 20147

Turbidity		7.3	NTU			
<b>RADS</b>						
Alpha activity	U	1.39	pCi/L	0.88	4.4	SW846-9310
Beta activity		9.25	pCi/L	1.82	4.73	SW846-9310
Iodine-131	U	-9.97	pCi/L	19.9	26.8	RL-7124
Radium	U	-0.0322	pCi/L	0	0.74	RL-7113
Radium-224	U	0.0677	pCi/L	0.13	0.29	RL-7129
Radium-226	U	0.167	pCi/L	0.27	0.48	RL-7129
Radium-228	U	3.24	pCi/L	0.63	4.96	RL-7129
Strontium-90	U	0.11	pCi/L	0.01	1.47	RL-7140
Technetium-99	U	2.71	pCi/L	14.5	20.1	RL-7100
Thorium-230		0.46	pCi/L	0.13	0.43	RL-7128
Tritium	U	-154	pCi/L	168	285	704R7
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JUY	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L		0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	JU	0.01	mg/L		0.01	SW846-8260
Acrolein	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	JUY	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260

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## MW223

### 20147

Methylene chloride	U	0.005 mg/L	0.005	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Cyanide	U	0.05 mg/L	0.05	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.01 mg/L	0.01	SW846-9020B

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# Paducah-OREIS Data Report

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**MW224**  
**20147**  
**MW224SG3-05**

Collected: 4/26/2005

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	5	mg/L		5	SW846-9056
Chloride		37	mg/L		1	SW846-9056
Fluoride		0.27	mg/L		0.1	9214
Nitrate as Nitrogen	*	1.3	mg/L		1	SW846-9056
Sulfate		17	mg/L		1	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic	B	0.00106	mg/L		0.001	SW846-6020
Barium	X	0.363	mg/L		0.005	SW846-6020
Barium, Dissolved		0.378	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	BU	0.2	mg/L		0.2	SW846-6010A
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		31.2	mg/L		1	SW846-6010A
Chromium	U	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Cobalt		0.0178	mg/L		0.001	SW846-6020
Copper	U	0.02	mg/L		0.02	SW846-6020
Iron	U	0.1	mg/L		0.1	SW846-6010A
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		13.2	mg/L		0.02	SW846-6010A
Manganese	X	1.02	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	U	0.001	mg/L		0.001	SW846-6020
Nickel		0.00825	mg/L		0.005	SW846-6020
Potassium		1.04	mg/L		0.2	SW846-6010A
Rhodium	BU	0.005	mg/L		0.005	SW846-6020
Selenium	BJU	0.005	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		57.7	mg/L		1	SW846-6010A
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	BU	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.44	Inches/Hg			
<b>PHYSC</b>						
Conductivity		487	umho/cm			
Depth to Water		66.22	ft			
Dissolved Oxygen		2.68	mg/L			
Dissolved Solids	U	500	mg/L		500	EPA-160.1
pH		6.23	Std Unit			
Redox		259	mV			
Suspended Solids	U	17	mg/L		17	EPA-160.2
Temperature		60.6	deg F			
Total Solids		286	mg/L		150	EPA-160.3

**MW224****20147**

Turbidity		6.5	NTU			
<b>RADS</b>						
Alpha activity	U	0.561	pCi/L	0.42	4.72	SW846-9310
Beta activity		7	pCi/L	1.52	5.01	SW846-9310
Iodine-131	U	-3.06	pCi/L	6.13	29.5	RL-7124
Radium	U	0.0697	pCi/L	0.11	0.74	RL-7113
Radium-224	U	0.022	pCi/L	0.09	0.23	RL-7129
Radium-226		0.641	pCi/L	0.33	0.29	RL-7129
Radium-228	U	1.8	pCi/L	0.34	2.13	RL-7129
Strontium-90	U	0.0182	pCi/L	0.0033	1.55	RL-7140
Technetium-99	U	0.492	pCi/L	15.2	20.1	RL-7100
Thorium-230	U	0.349	pCi/L	0.1	0.39	RL-7128
Tritium	U	-188	pCi/L	168	285	704R7
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JUY	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L		0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	JU	0.01	mg/L		0.01	SW846-8260
Acrolein	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	UY	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260

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## MW224

### 20147

Methylene chloride	U	0.005 mg/L	0.005	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Cyanide	U	0.05 mg/L	0.05	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.01 mg/L	0.01	SW846-9020B

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# Paducah-OREIS Data Report

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**MW384**

**20147**

**MW384SG3-05**

Collected: 4/20/2005

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	5	mg/L		5	SW846-9056
Chloride		71	mg/L		5	SW846-9056
Fluoride		0.33	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		28	mg/L		1	SW846-9056
<b>METAL</b>						
Aluminum		0.208	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic	B	0.00628	mg/L		0.001	SW846-6020
Barium	X	0.234	mg/L		0.005	SW846-6020
Barium, Dissolved		0.223	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	BJU	0.2	mg/L		0.2	SW846-6010A
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		33	mg/L		1	SW846-6010A
Chromium	U	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Cobalt	U	0.001	mg/L		0.001	SW846-6020
Copper	U	0.02	mg/L		0.02	SW846-6020
Iron		5.45	mg/L		0.1	SW846-6010A
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		12.4	mg/L		0.02	SW846-6010A
Manganese	X	0.572	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	U	0.001	mg/L		0.001	SW846-6020
Nickel	U	0.005	mg/L		0.005	SW846-6020
Potassium		1.38	mg/L		0.2	SW846-6010A
Rhodium	BU	0.005	mg/L		0.005	SW846-6020
Selenium	BJ	0.0064	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		75.5	mg/L		1	SW846-6010A
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	BU	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.94	Inches/Hg			
<b>PHYSC</b>						
Conductivity		638	umho/cm			
Depth to Water		36.68	ft			
Dissolved Oxygen		1.09	mg/L			
Dissolved Solids	U	500	mg/L		500	EPA-160.1
pH		6.45	Std Unit			
Redox		15	mV			
Suspended Solids	U	17	mg/L		17	EPA-160.2
Temperature		60.2	deg F			
Total Solids		333	mg/L		150	EPA-160.3

# Paducah-OREIS Data Report

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## MW384

### 20147

Turbidity		20.3	NTU			
<b>RADS</b>						
Alpha activity	U	1.87	pCi/L	0.99	6.04	SW846-9310
Beta activity		27.8	pCi/L	4.02	5.16	SW846-9310
Iodine-131	U	-9.52	pCi/L	19	30	RL-7124
Radium	U	0.00623	pCi/L	0.0062	0.73	RL-7113
Radium-224	U	0.0189	pCi/L	0.08	0.2	RL-7129
Radium-226	U	0.129	pCi/L	0.16	0.3	RL-7129
Radium-228	U	1.13	pCi/L	0.21	3.48	RL-7129
Strontium-90	U	0.0385	pCi/L	0.0069	1.49	RL-7140
Technetium-99		28.1	pCi/L	14.5	18.8	RL-7100
Thorium-230	U	0.016	pCi/L	0.07	0.41	RL-7128
Tritium	U	-66.8	pCi/L	170	285	704R7
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	UY	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	JU	0.01	mg/L		0.01	SW846-8260
Acrolein	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	UY	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	JU	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260

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## MW384

### 20147

Methylene chloride	U	0.005 mg/L	0.005	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene		0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Cyanide	U	0.05 mg/L	0.05	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		4.8 mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.0751 mg/L	0.01	SW846-9020B

# Paducah-OREIS Data Report

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**MW385**  
**20147**  
**MW385SG3-05**

Collected: 4/20/2005

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	5	mg/L		5	SW846-9056
Chloride		31	mg/L		1	SW846-9056
Fluoride		0.19	mg/L		0.1	9214
Nitrate as Nitrogen		1.5	mg/L		1	SW846-9056
Sulfate		16	mg/L		1	SW846-9056
<b>METAL</b>						
Aluminum		0.209	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic	B	0.00123	mg/L		0.001	SW846-6020
Barium	X	0.193	mg/L		0.005	SW846-6020
Barium, Dissolved		0.188	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	BJU	0.2	mg/L		0.2	SW846-6010A
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		29	mg/L		1	SW846-6010A
Chromium	U	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Cobalt	U	0.001	mg/L		0.001	SW846-6020
Copper	U	0.02	mg/L		0.02	SW846-6020
Iron		0.179	mg/L		0.1	SW846-6010A
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		9.22	mg/L		0.02	SW846-6010A
Manganese	X	0.00793	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	U	0.001	mg/L		0.001	SW846-6020
Nickel	U	0.005	mg/L		0.005	SW846-6020
Potassium		1.67	mg/L		0.2	SW846-6010A
Rhodium	BU	0.005	mg/L		0.005	SW846-6020
Selenium	BJU	0.005	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		39.6	mg/L		1	SW846-6010A
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	BU	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.94	Inches/Hg			
<b>PHYSC</b>						
Conductivity		467	umho/cm			
Depth to Water		36.84	ft			
Dissolved Oxygen		1.92	mg/L			
Dissolved Solids	U	500	mg/L		500	EPA-160.1
pH		6.73	Std Unit			
Redox		177	mV			
Suspended Solids	U	14	mg/L		14	EPA-160.2
Temperature		61.5	deg F			
Total Solids		237	mg/L		150	EPA-160.3

**MW385**

**20147**

Turbidity		8.2	NTU			
<b>RADS</b>						
Alpha activity	U	1.38	pCi/L	0.42	5.22	SW846-9310
Beta activity		166	pCi/L	9.93	4.52	SW846-9310
Iodine-131	U	6.45	pCi/L	12.9	29.7	RL-7124
Radium	U	0.0831	pCi/L	0.11	0.73	RL-7113
Radium-224	U	-0.0009	pCi/L	0	0.25	RL-7129
Radium-226	U	0.249	pCi/L	0.23	0.31	RL-7129
Radium-228	U	4.77	pCi/L	0.81	5.53	RL-7129
Strontium-90	U	-0.037	pCi/L	0.0067	1.46	RL-7140
Technetium-99		182	pCi/L	19.7	20.1	RL-7100
Thorium-230	U	0.35	pCi/L	0.11	0.39	RL-7128
Tritium	U	-123	pCi/L	169	285	704R7
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	UY	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	JU	0.01	mg/L		0.01	SW846-8260
Acrolein	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	UY	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	JU	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260

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## MW385

### 20147

Methylene chloride	U	0.005 mg/L	0.005	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Cyanide	U	0.05 mg/L	0.05	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		1.1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.01 mg/L	0.01	SW846-9020B

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# Paducah-OREIS Data Report

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**MW386**  
**20147**  
**MW386SG3-05**

Collected: 4/20/2005

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	5	mg/L		5	SW846-9056
Chloride		34	mg/L		1	SW846-9056
Fluoride		0.44	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		15	mg/L		1	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic	B	0.00106	mg/L		0.001	SW846-6020
Barium	X	0.126	mg/L		0.005	SW846-6020
Barium, Dissolved		0.116	mg/L		0.005	SW846-6020
Beryllium	JU	0.001	mg/L		0.001	SW846-6020
Boron	BJU	0.2	mg/L		0.2	SW846-6010A
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		27.3	mg/L		1	SW846-6010A
Chromium	U	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Cobalt		0.00105	mg/L		0.001	SW846-6020
Copper	U	0.02	mg/L		0.02	SW846-6020
Iron		3.58	mg/L		0.1	SW846-6010A
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		11.3	mg/L		0.02	SW846-6010A
Manganese	X	0.31	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	U	0.001	mg/L		0.001	SW846-6020
Nickel	U	0.005	mg/L		0.005	SW846-6020
Potassium	B	0.6	mg/L		0.2	SW846-6010A
Rhodium	BU	0.005	mg/L		0.005	SW846-6020
Selenium	U	0.005	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		114	mg/L		1	SW846-6010A
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	BU	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.94	Inches/Hg			
<b>PHYSC</b>						
Conductivity		661	umho/cm			
Depth to Water		20.51	ft			
Dissolved Oxygen		1.29	mg/L			
Dissolved Solids	U	500	mg/L		500	EPA-160.1
pH		6.65	Std Unit			
Redox		122	mV			
Suspended Solids	U	17	mg/L		17	EPA-160.2
Temperature		60.8	deg F			
Total Solids		454	mg/L		150	EPA-160.3

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## MW386

### 20147

Turbidity		99.7	NTU			
<b>RADS</b>						
Alpha activity	U	-0.709	pCi/L	0.7	6.22	SW846-9310
Beta activity	U	2.89	pCi/L	0.82	5.32	SW846-9310
Iodine-131	U	-3.34	pCi/L	6.67	30	RL-7124
Radium	U	0.00831	pCi/L	0.0083	0.73	RL-7113
Radium-224	U	-0.0133	pCi/L	0.02	0.25	RL-7129
Radium-226	U	0.0762	pCi/L	0.17	0.31	RL-7129
Radium-228	U	2.87	pCi/L	0.51	5.12	RL-7129
Strontium-90	U	0.104	pCi/L	0.01	1.35	RL-7140
Technetium-99		27	pCi/L	14.4	18.8	RL-7100
Thorium-230	U	0.0103	pCi/L	0.05	0.39	RL-7128
Tritium	U	-148	pCi/L	169	285	704R7
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	UY	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	JU	0.01	mg/L		0.01	SW846-8260
Acrolein	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	UY	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	JU	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260



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## MW386

### 20147

Methylene chloride	U	0.005 mg/L	0.005	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)		56 mg/L	25	EPA-410.4 1978
Cyanide	U	0.05 mg/L	0.05	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	D	20.7 mg/L	4	SW846-9060
Total Organic Halides (TOX)		0.402 mg/L	0.01	SW846-9020B

# Paducah-OREIS Data Report

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**MW387**  
**20147**  
**MW387SG3-05**

Collected: 4/20/2005

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	5	mg/L		5	SW846-9056
Chloride		47	mg/L		1	SW846-9056
Fluoride		0.92	mg/L		0.1	9214
Nitrate as Nitrogen		1.6	mg/L		1	SW846-9056
Sulfate		20	mg/L		1	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic	B	0.00234	mg/L		0.001	SW846-6020
Barium	X	0.18	mg/L		0.005	SW846-6020
Barium, Dissolved		0.18	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	BJU	0.2	mg/L		0.2	SW846-6010A
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		33	mg/L		1	SW846-6010A
Chromium	U	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Cobalt	U	0.001	mg/L		0.001	SW846-6020
Copper	U	0.02	mg/L		0.02	SW846-6020
Iron		0.27	mg/L		0.1	SW846-6010A
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		13.1	mg/L		0.02	SW846-6010A
Manganese	X	0.123	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	U	0.001	mg/L		0.001	SW846-6020
Nickel	U	0.005	mg/L		0.005	SW846-6020
Potassium		1.85	mg/L		0.2	SW846-6010A
Rhodium	BU	0.005	mg/L		0.005	SW846-6020
Selenium	BJ	0.00654	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		51	mg/L		1	SW846-6010A
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	BU	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.94	Inches/Hg			
<b>PHYSC</b>						
Conductivity		508	umho/cm			
Depth to Water		34.57	ft			
Dissolved Oxygen		2.41	mg/L			
Dissolved Solids	U	500	mg/L		500	EPA-160.1
pH		6.32	Std Unit			
Redox		247	mV			
Suspended Solids	U	14	mg/L		14	EPA-160.2
Temperature		64.9	deg F			
Total Solids		299	mg/L		150	EPA-160.3

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## MW387

### 20147

Turbidity		7.4	NTU			
<b>RADS</b>						
Alpha activity		5.81	pCi/L	1.57	5.58	SW846-9310
Beta activity		190	pCi/L	10.9	4.78	SW846-9310
Iodine-131	U	-5.7	pCi/L	11.4	30	RL-7124
Radium	U	0.0436	pCi/L	0.11	0.73	RL-7113
Radium-224	U	-0.0009	pCi/L	0	0.2	RL-7129
Radium-226	U	0.214	pCi/L	0.18	0.27	RL-7129
Radium-228	U	0.597	pCi/L	0.11	5.54	RL-7129
Strontium-90	U	0.73	pCi/L	0.11	1.54	RL-7140
Technetium-99		275	pCi/L	21.9	20.1	RL-7100
Thorium-230	U	0.228	pCi/L	0.09	0.39	RL-7128
Tritium	U	-54.3	pCi/L	170	285	704R7
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	UY	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	JU	0.01	mg/L		0.01	SW846-8260
Acrolein	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	UY	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	JU	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260

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## MW387

### 20147

Methylene chloride	U	0.005 mg/L	0.005	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene		0.0017 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Cyanide	U	0.05 mg/L	0.05	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		1.2 mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.0295 mg/L	0.01	SW846-9020B

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**MW388**

**20147**

**MW388SG3-05**

Collected: 4/20/2005

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	5	mg/L		5	SW846-9056
Chloride		40	mg/L		1	SW846-9056
Fluoride		0.31	mg/L		0.1	9214
Nitrate as Nitrogen		1.7	mg/L		1	SW846-9056
Sulfate		16	mg/L		1	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic	B	0.00134	mg/L		0.001	SW846-6020
Barium	X	0.187	mg/L		0.005	SW846-6020
Barium, Dissolved		0.188	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	BJU	0.2	mg/L		0.2	SW846-6010A
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		25.2	mg/L		1	SW846-6010A
Chromium	U	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Cobalt	U	0.001	mg/L		0.001	SW846-6020
Copper	U	0.02	mg/L		0.02	SW846-6020
Iron	U	0.1	mg/L		0.1	SW846-6010A
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		10.5	mg/L		0.02	SW846-6010A
Manganese	UX	0.005	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	U	0.001	mg/L		0.001	SW846-6020
Nickel	U	0.005	mg/L		0.005	SW846-6020
Potassium		1.84	mg/L		0.2	SW846-6010A
Rhodium	BU	0.005	mg/L		0.005	SW846-6020
Selenium	BJ	0.00561	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		42.5	mg/L		1	SW846-6010A
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	BU	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.94	Inches/Hg			
<b>PHYSC</b>						
Conductivity		400	umho/cm			
Depth to Water		34.58	ft			
Dissolved Oxygen		5.04	mg/L			
Dissolved Solids	U	500	mg/L		500	EPA-160.1
pH		6.23	Std Unit			
Redox		237	mV			
Suspended Solids	U	14	mg/L		14	EPA-160.2
Temperature		64	deg F			
Total Solids		245	mg/L		150	EPA-160.3

**MW388**

**20147**

Turbidity		6.9	NTU			
<b>RADS</b>						
Alpha activity	U	-0.484	pCi/L	0.23	5.2	SW846-9310
Beta activity		65.2	pCi/L	6.09	4.51	SW846-9310
Iodine-131	U	-4.41	pCi/L	8.82	29.7	RL-7124
Radium	U	0.0561	pCi/L	0.11	0.73	RL-7113
Radium-224	U	-0.0009	pCi/L	0	0.22	RL-7129
Radium-226		0.377	pCi/L	0.25	0.28	RL-7129
Radium-228	U	0.465	pCi/L	0.09	5.39	RL-7129
Strontium-90	U	0.0181	pCi/L	0.0032	1.43	RL-7140
Technetium-99		60.8	pCi/L	16.3	20.1	RL-7100
Thorium-230	U	0.335	pCi/L	0.1	0.39	RL-7128
Tritium	U	-188	pCi/L	168	285	704R7
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	UY	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	JU	0.01	mg/L		0.01	SW846-8260
Acrolein	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	JUY	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	JU	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260

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## MW388

### 20147

Methylene chloride	U	0.005 mg/L	0.005	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene		0.0011 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Cyanide	U	0.05 mg/L	0.05	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.01 mg/L	0.01	SW846-9020B

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# Paducah-OREIS Data Report

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**MW390**  
**20147**  
**MW390SG3-05**

Collected: 4/21/2005

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	5	mg/L		5	SW846-9056
Chloride		223	mg/L		5	SW846-9056
Fluoride		0.24	mg/L		0.1	9214
Nitrate as Nitrogen		1.8	mg/L		1	SW846-9056
Sulfate		11	mg/L		1	SW846-9056
<b>METAL</b>						
Aluminum		0.901	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic	B	0.00418	mg/L		0.001	SW846-6020
Barium	X	0.49	mg/L		0.005	SW846-6020
Barium, Dissolved		0.49	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	BU	0.2	mg/L		0.2	SW846-6010A
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		63.9	mg/L		1	SW846-6010A
Chromium	U	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Cobalt	U	0.001	mg/L		0.001	SW846-6020
Copper	U	0.02	mg/L		0.02	SW846-6020
Iron		0.676	mg/L		0.1	SW846-6010A
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		25	mg/L		0.02	SW846-6010A
Manganese	UX	0.005	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum		0.0041	mg/L		0.001	SW846-6020
Nickel		0.00513	mg/L		0.005	SW846-6020
Potassium	B	0.606	mg/L		0.2	SW846-6010A
Rhodium	BU	0.005	mg/L		0.005	SW846-6020
Selenium	BJ	0.0166	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		123	mg/L		1	SW846-6010A
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	BU	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.88	Inches/Hg			
<b>PHYSC</b>						
Conductivity		1106	umho/cm			
Depth to Water		31.58	ft			
Dissolved Oxygen		4.17	mg/L			
Dissolved Solids		581	mg/L		500	EPA-160.1
pH		6.16	Std Unit			
Redox		276	mV			
Suspended Solids		18	mg/L		14	EPA-160.2
Temperature		63.7	deg F			
Total Solids		705	mg/L		150	EPA-160.3



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## MW390

### 20147

Turbidity		9.1	NTU			
<b>RADS</b>						
Alpha activity	U	-2.02	pCi/L	1.28	6.63	SW846-9310
Beta activity		56.2	pCi/L	6.26	5.71	SW846-9310
Iodine-131	U	-3.91	pCi/L	7.83	30	RL-7124
Radium	U	-0.139	pCi/L	0	0.72	RL-7113
Radium-224	U	-0.0009	pCi/L	0	0.23	RL-7129
Radium-226	U	0.12	pCi/L	0.16	0.31	RL-7129
Radium-228	U	2.54	pCi/L	0.42	2.99	RL-7129
Strontium-90	U	0.245	pCi/L	0.04	1.41	RL-7140
Technetium-99		90.4	pCi/L	17.2	20.1	RL-7100
Thorium-230	U	0.231	pCi/L	0.1	0.39	RL-7128
Tritium	U	-45.9	pCi/L	170	285	704R7
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JUY	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L		0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	JU	0.01	mg/L		0.01	SW846-8260
Acrolein	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	UY	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260

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## MW390

### 20147

Methylene chloride	U	0.005 mg/L	0.005	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Cyanide	U	0.05 mg/L	0.05	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		2.7 mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.0224 mg/L	0.01	SW846-9020B

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# Paducah-OREIS Data Report

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**MW391**

**20147**

**MW391SG3-05**

Collected: 4/21/2005

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	5	mg/L		5	SW846-9056
Chloride		42	mg/L		1	SW846-9056
Fluoride		0.16	mg/L		0.1	9214
Nitrate as Nitrogen		1	mg/L		1	SW846-9056
Sulfate		11	mg/L		1	SW846-9056
<b>METAL</b>						
Aluminum		0.201	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic	B	0.00122	mg/L		0.001	SW846-6020
Barium	X	0.231	mg/L		0.005	SW846-6020
Barium, Dissolved		0.224	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	BU	0.2	mg/L		0.2	SW846-6010A
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		25	mg/L		1	SW846-6010A
Chromium	U	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Cobalt	U	0.001	mg/L		0.001	SW846-6020
Copper	U	0.02	mg/L		0.02	SW846-6020
Iron		0.893	mg/L		0.1	SW846-6010A
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		9.93	mg/L		0.02	SW846-6010A
Manganese	X	0.0125	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	U	0.001	mg/L		0.001	SW846-6020
Nickel	U	0.005	mg/L		0.005	SW846-6020
Potassium		1.55	mg/L		0.2	SW846-6010A
Rhodium	BU	0.005	mg/L		0.005	SW846-6020
Selenium	BJ	0.00685	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		33.6	mg/L		1	SW846-6010A
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	BU	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.88	Inches/Hg			
<b>PHYSC</b>						
Conductivity		356	umho/cm			
Depth to Water		37.89	ft			
Dissolved Oxygen		3.86	mg/L			
Dissolved Solids	U	500	mg/L		500	EPA-160.1
pH		6.04	Std Unit			
Redox		155	mV			
Suspended Solids	U	14	mg/L		14	EPA-160.2
Temperature		62.3	deg F			
Total Solids		218	mg/L		150	EPA-160.3

\*QUALIFIER Codes See attached List.

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## MW391

### 20147

Turbidity		9.3	NTU			
<b>RADS</b>						
Alpha activity	U	2.13	pCi/L	1.23	5.11	SW846-9310
Beta activity		7.39	pCi/L	1.63	4.45	SW846-9310
Iodine-131	U	0.43	pCi/L	0.86	29.9	RL-7124
Radium	U	0.0517	pCi/L	0.11	0.72	RL-7113
Radium-224	U	0.0484	pCi/L	0.09	0.24	RL-7129
Radium-226		0.317	pCi/L	0.24	0.3	RL-7129
Radium-228	U	0.954	pCi/L	0.17	3.53	RL-7129
Strontium-90	U	-0.14	pCi/L	0.02	1.42	RL-7140
Technetium-99	U	11.4	pCi/L	14.8	20.1	RL-7100
Thorium-230	U	-0.0145	pCi/L	0.04	0.39	RL-7128
Tritium	U	-109	pCi/L	169	285	704R7
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JUY	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L		0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	JU	0.01	mg/L		0.01	SW846-8260
Acrolein	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	UY	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260

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## MW391

### 20147

Methylene chloride	U	0.005 mg/L	0.005	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene		0.012 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Cyanide	U	0.05 mg/L	0.05	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.0105 mg/L	0.01	SW846-9020B

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# Paducah-OREIS Data Report

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## MW392 20147 MW392SG3-05

Collected: 4/21/2005

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	5	mg/L		5	SW846-9056
Chloride		45	mg/L		1	SW846-9056
Fluoride		0.24	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		7.3	mg/L		1	SW846-9056
<b>METAL</b>						
Aluminum		0.304	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic	B	0.00253	mg/L		0.001	SW846-6020
Barium	X	0.222	mg/L		0.005	SW846-6020
Barium, Dissolved		0.203	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	BU	0.2	mg/L		0.2	SW846-6010A
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		24.7	mg/L		1	SW846-6010A
Chromium	U	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Cobalt	U	0.001	mg/L		0.001	SW846-6020
Copper	U	0.02	mg/L		0.02	SW846-6020
Iron		4.18	mg/L		0.1	SW846-6010A
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		9.36	mg/L		0.02	SW846-6010A
Manganese	X	0.594	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	U	0.001	mg/L		0.001	SW846-6020
Nickel	U	0.005	mg/L		0.005	SW846-6020
Potassium		1.98	mg/L		0.2	SW846-6010A
Rhodium	BU	0.005	mg/L		0.005	SW846-6020
Selenium	BJ	0.00502	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		53.3	mg/L		1	SW846-6010A
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	BU	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.88	Inches/Hg			
<b>PHYSC</b>						
Conductivity		441	umho/cm			
Depth to Water		37.04	ft			
Dissolved Oxygen		1.22	mg/L			
Dissolved Solids	U	500	mg/L		500	EPA-160.1
pH		6.18	Std Unit			
Redox		130	mV			
Suspended Solids	U	14	mg/L		14	EPA-160.2
Temperature		60	deg F			
Total Solids		264	mg/L		150	EPA-160.3

**MW392**

**20147**

Turbidity		9.2	NTU			
<b>RADS</b>						
Alpha activity	U	0.891	pCi/L	0.63	5.41	SW846-9310
Beta activity	U	4.27	pCi/L	1.1	4.66	SW846-9310
Iodine-131	U	-11.6	pCi/L	23.1	29.6	RL-7124
Radium	U	0.0197	pCi/L	0.11	0.72	RL-7113
Radium-224	U	-0.0115	pCi/L	0.02	0.23	RL-7129
Radium-226	U	0.148	pCi/L	0.17	0.29	RL-7129
Radium-228	U	3.43	pCi/L	0.55	3.51	RL-7129
Strontium-90	U	0.375	pCi/L	0.06	1.61	RL-7140
Technetium-99	U	-2.52	pCi/L	0	20.1	RL-7100
Thorium-230		0.665	pCi/L	0.16	0.4	RL-7128
Tritium	U	-83.5	pCi/L	170	285	704R7
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JUY	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L		0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	JU	0.01	mg/L		0.01	SW846-8260
Acrolein	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	JU	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	JUY	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260

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## MW392

### 20147

Methylene chloride	U	0.005 mg/L	0.005	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene		0.0094 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Cyanide	U	0.05 mg/L	0.05	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		3.7 mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.0743 mg/L	0.01	SW846-9020B

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# Paducah-OREIS Data Report

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12/18/2007

**MW393**

**20147**

**MW393SG3-05**

Collected: 4/21/2005

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	5	mg/L		5	SW846-9056
Chloride		21	mg/L		1	SW846-9056
Fluoride		0.16	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		5.5	mg/L		1	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic	B	0.00239	mg/L		0.001	SW846-6020
Barium	X	0.11	mg/L		0.005	SW846-6020
Barium, Dissolved		0.107	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	BU	0.2	mg/L		0.2	SW846-6010A
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		12.6	mg/L		1	SW846-6010A
Chromium	U	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Cobalt	U	0.001	mg/L		0.001	SW846-6020
Copper	U	0.02	mg/L		0.02	SW846-6020
Iron		5.69	mg/L		0.1	SW846-6010A
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		4.07	mg/L		0.02	SW846-6010A
Manganese	X	0.0407	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	U	0.001	mg/L		0.001	SW846-6020
Nickel	U	0.005	mg/L		0.005	SW846-6020
Potassium	B	0.434	mg/L		0.2	SW846-6010A
Rhodium	BU	0.005	mg/L		0.005	SW846-6020
Selenium	BJU	0.005	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		88.5	mg/L		1	SW846-6010A
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	BU	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.88	Inches/Hg			
<b>PHYSC</b>						
Conductivity		472	umho/cm			
Depth to Water		25.04	ft			
Dissolved Oxygen		1.2	mg/L			
Dissolved Solids	U	500	mg/L		500	EPA-160.1
pH		6.15	Std Unit			
Redox		72	mV			
Suspended Solids	U	25	mg/L		25	EPA-160.2
Temperature		62	deg F			
Total Solids		296	mg/L		150	EPA-160.3

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Turbidity		5.2	NTU			
<b>RADS</b>						
Alpha activity	U	-1.08	pCi/L	1.25	5.7	SW846-9310
Beta activity	U	2.65	pCi/L	0.75	4.88	SW846-9310
Iodine-131	U	5.23	pCi/L	10.5	28.6	RL-7124
Radium	U	0.0662	pCi/L	0.11	0.72	RL-7113
Radium-224	U	0.094	pCi/L	0.13	0.23	RL-7129
Radium-226	U	0.229	pCi/L	0.24	0.32	RL-7129
Radium-228	U	2.69	pCi/L	0.45	4.04	RL-7129
Strontium-90	U	0.256	pCi/L	0.04	1.32	RL-7140
Technetium-99	U	-9.23	pCi/L	0	20.1	RL-7100
Thorium-230	U	0.057	pCi/L	0.05	0.39	RL-7128
Tritium	U	-184	pCi/L	168	285	704R7
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JUY	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L		0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	JU	0.01	mg/L		0.01	SW846-8260
Acrolein	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	JU	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	UY	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260

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Methylene chloride	U	0.005 mg/L	0.005	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Cyanide	U	0.05 mg/L	0.05	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		7.6 mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.101 mg/L	0.01	SW846-9020B

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**MW394**  
**20147**  
**MW394SG3-05**

Collected: 4/18/2005

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	5	mg/L		5	SW846-9056
Chloride		64	mg/L		5	SW846-9056
Fluoride		0.14	mg/L		0.1	9214
Nitrate as Nitrogen		1.8	mg/L		1	SW846-9056
Sulfate		8.6	mg/L		1	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic	B	0.00122	mg/L		0.001	SW846-6020
Barium	X	0.262	mg/L		0.005	SW846-6020
Barium, Dissolved		0.286	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	BJU	0.2	mg/L		0.2	SW846-6010A
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		31.9	mg/L		1	SW846-6010A
Chromium	U	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Cobalt	U	0.001	mg/L		0.001	SW846-6020
Copper	U	0.02	mg/L		0.02	SW846-6020
Iron		0.147	mg/L		0.1	SW846-6010A
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		12.8	mg/L		0.02	SW846-6010A
Manganese	UX	0.005	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	U	0.001	mg/L		0.001	SW846-6020
Nickel	U	0.005	mg/L		0.005	SW846-6020
Potassium		1.35	mg/L		0.2	SW846-6010A
Rhodium	BU	0.005	mg/L		0.005	SW846-6020
Selenium	J	0.00618	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		28.4	mg/L		1	SW846-6010A
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	BU	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		30.09	Inches/Hg			
<b>PHYSC</b>						
Conductivity		425	umho/cm			
Depth to Water		49.92	ft			
Dissolved Oxygen		4.62	mg/L			
Dissolved Solids	U	500	mg/L		500	EPA-160.1
pH		6.12	Std Unit			
Redox		274	mV			
Suspended Solids	U	17	mg/L		17	EPA-160.2
Temperature		62.5	deg F			
Total Solids		270	mg/L		150	EPA-160.3

**MW394**

**20147**

Turbidity		8.1	NTU			
<b>RADS</b>						
Alpha activity	U	0.655	pCi/L	0.43	4.62	SW846-9310
Beta activity		9.69	pCi/L	1.92	4.14	SW846-9310
Iodine-131	U	-6.51	pCi/L	13	29.9	RL-7124
Radium	U	0.178	pCi/L	0.11	0.73	RL-7113
Radium-224	U	0.0823	pCi/L	0.13	0.24	RL-7129
Radium-226	U	0.103	pCi/L	0.16	0.3	RL-7129
Radium-228	U	0.628	pCi/L	0.13	5.51	RL-7129
Strontium-90	U	0.401	pCi/L	0.06	1.42	RL-7140
Technetium-99	U	12.6	pCi/L	13.9	18.8	RL-7100
Thorium-230	U	-0.022	pCi/L	0.04	0.4	RL-7128
Tritium	U	-4.18	pCi/L	171	285	704R7
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	UY	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	JU	0.01	mg/L		0.01	SW846-8260
Acrolein	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	JU	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	JU	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260

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## MW394

### 20147

Methylene chloride	U	0.005 mg/L	0.005	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene		0.01 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Cyanide	U	0.05 mg/L	0.05	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.0131 mg/L	0.01	SW846-9020B

# Paducah-OREIS Data Report

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**MW394**  
**20147**  
**MW394DSG3-05**

Collected: 4/18/2005

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	5	mg/L		5	SW846-9056
Chloride		62	mg/L		5	SW846-9056
Fluoride		0.14	mg/L		0.1	9214
Nitrate as Nitrogen		1.8	mg/L		1	SW846-9056
Sulfate		8.5	mg/L		1	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic	B	0.00131	mg/L		0.001	SW846-6020
Barium	X	0.285	mg/L		0.005	SW846-6020
Barium, Dissolved		0.288	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	BJU	0.2	mg/L		0.2	SW846-6010A
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		28.9	mg/L		1	SW846-6010A
Chromium	U	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Cobalt	U	0.001	mg/L		0.001	SW846-6020
Copper	U	0.02	mg/L		0.02	SW846-6020
Iron	U	0.1	mg/L		0.1	SW846-6010A
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		11.8	mg/L		0.02	SW846-6010A
Manganese	UX	0.005	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	U	0.001	mg/L		0.001	SW846-6020
Nickel	U	0.005	mg/L		0.005	SW846-6020
Potassium		1.18	mg/L		0.2	SW846-6010A
Rhodium	BU	0.005	mg/L		0.005	SW846-6020
Selenium	BJ	0.00707	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		25.6	mg/L		1	SW846-6010A
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	BU	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		30.09	Inches/Hg			
<b>PHYSC</b>						
Conductivity		425	umho/cm			
Depth to Water		49.92	ft			
Dissolved Oxygen		4.62	mg/L			
Dissolved Solids	U	500	mg/L		500	EPA-160.1
pH		6.12	Std Unit			
Redox		274	mV			
Suspended Solids	U	17	mg/L		17	EPA-160.2
Temperature		62.5	deg F			
Total Solids		270	mg/L		150	EPA-160.3

\*QUALIFIER Codes See attached List.

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## MW394

### 20147

Turbidity		8.1	NTU			
<b>RADS</b>						
Alpha activity	U	0.711	pCi/L	0.5	5.04	SW846-9310
Beta activity		5.52	pCi/L	1.32	4.4	SW846-9310
Iodine-131	U	1.76	pCi/L	3.53	29.1	RL-7124
Radium	U	0.0686	pCi/L	0.11	0.73	RL-7113
Radium-224	U	-0.0009	pCi/L	0	0.26	RL-7129
Radium-226	U	-0.119	pCi/L	0.19	0.51	RL-7129
Radium-228	U	1.98	pCi/L	0.35	3.16	RL-7129
Strontium-90	U	0.39	pCi/L	0.06	1.47	RL-7140
Technetium-99	U	17.3	pCi/L	14.1	18.8	RL-7100
Thorium-230	U	-0.0479	pCi/L	0.03	0.39	RL-7128
Tritium	U	-130	pCi/L	169	285	704R7
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	UY	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	JU	0.01	mg/L		0.01	SW846-8260
Acrolein	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	JU	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	JU	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260



# Paducah-OREIS Data Report

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## MW394

### 20147

Methylene chloride	U	0.005 mg/L	0.005	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene		0.01 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Cyanide	U	0.05 mg/L	0.05	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.012 mg/L	0.01	SW846-9020B

# Paducah-OREIS Data Report

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**MW395**  
**20147**  
**MW395SG3-05**

Collected: 4/19/2005

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	5	mg/L		5	SW846-9056
Chloride		65	mg/L		2.5	SW846-9056
Fluoride		0.15	mg/L		0.1	9214
Nitrate as Nitrogen		1.7	mg/L		1	SW846-9056
Sulfate		8.6	mg/L		1	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic	B	0.00129	mg/L		0.001	SW846-6020
Barium	X	0.279	mg/L		0.005	SW846-6020
Barium, Dissolved		0.271	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	BJU	0.2	mg/L		0.2	SW846-6010A
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		30.6	mg/L		1	SW846-6010A
Chromium	U	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Cobalt	U	0.001	mg/L		0.001	SW846-6020
Copper	U	0.02	mg/L		0.02	SW846-6020
Iron		0.11	mg/L		0.1	SW846-6010A
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		12.3	mg/L		0.02	SW846-6010A
Manganese	X	0.00774	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	U	0.001	mg/L		0.001	SW846-6020
Nickel	U	0.005	mg/L		0.005	SW846-6020
Potassium		1.58	mg/L		0.2	SW846-6010A
Rhodium	BU	0.005	mg/L		0.005	SW846-6020
Selenium	BJ	0.0073	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		28.2	mg/L		1	SW846-6010A
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	BU	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		30.06	Inches/Hg			
<b>PHYSC</b>						
Conductivity		421	umho/cm			
Depth to Water		50.48	ft			
Dissolved Oxygen		1.69	mg/L			
Dissolved Solids	U	500	mg/L		500	EPA-160.1
pH		6.16	Std Unit			
Redox		187	mV			
Suspended Solids	U	20	mg/L		20	EPA-160.2
Temperature		62.3	deg F			
Total Solids		267	mg/L		150	EPA-160.3

**MW395**

**20147**

Turbidity		6.3	NTU			
<b>RADS</b>						
Alpha activity	U	0.522	pCi/L	0.39	4.4	SW846-9310
Beta activity		6.61	pCi/L	1.43	4.72	SW846-9310
Iodine-131	U	4.43	pCi/L	8.86	30	RL-7124
Radium	U	0.115	pCi/L	0.11	0.73	RL-7113
Radium-224	U	-0.0009	pCi/L	0	0.31	RL-7129
Radium-226	U	0.355	pCi/L	0.31	0.36	RL-7129
Radium-228	U	0.464	pCi/L	0.09	5.38	RL-7129
Strontium-90	U	0.239	pCi/L	0.04	1.41	RL-7140
Technetium-99	U	2.15	pCi/L	13.6	18.8	RL-7100
Thorium-230	U	0.347	pCi/L	0.13	0.43	RL-7128
Tritium	U	-79.4	pCi/L	170	285	704R7
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	UY	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	JU	0.01	mg/L		0.01	SW846-8260
Acrolein	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	JU	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260

# Paducah-OREIS Data Report

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## MW395

### 20147

Methylene chloride	U	0.005 mg/L	0.005	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene		0.0084 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Cyanide	U	0.05 mg/L	0.05	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.0191 mg/L	0.01	SW846-9020B

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# Paducah-OREIS Data Report

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**MW396**

**20147**

**MW396SG3-05**

Collected: 4/19/2005

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	5	mg/L		5	SW846-9056
Chloride		99	mg/L		5	SW846-9056
Fluoride		0.53	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		18	mg/L		1	SW846-9056
<b>METAL</b>						
Aluminum		0.388	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic	B	0.00246	mg/L		0.001	SW846-6020
Barium	X	0.325	mg/L		0.005	SW846-6020
Barium, Dissolved		0.31	mg/L		0.005	SW846-6020
Beryllium	JU	0.001	mg/L		0.001	SW846-6020
Boron	BJU	0.2	mg/L		0.2	SW846-6010A
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		39.7	mg/L		1	SW846-6010A
Chromium	U	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Cobalt		0.00159	mg/L		0.001	SW846-6020
Copper	U	0.02	mg/L		0.02	SW846-6020
Iron		0.736	mg/L		0.1	SW846-6010A
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		16.9	mg/L		0.02	SW846-6010A
Manganese	X	0.561	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	U	0.001	mg/L		0.001	SW846-6020
Nickel	U	0.005	mg/L		0.005	SW846-6020
Potassium		1.2	mg/L		0.2	SW846-6010A
Rhodium	BU	0.005	mg/L		0.005	SW846-6020
Selenium		0.0112	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		143	mg/L		1	SW846-6010A
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	BU	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		30.06	Inches/Hg			
<b>PHYSC</b>						
Conductivity		942	umho/cm			
Depth to Water		4.95	ft			
Dissolved Oxygen		1.49	mg/L			
Dissolved Solids		544	mg/L		500	EPA-160.1
pH		6.75	Std Unit			
Redox		44	mV			
Suspended Solids	U	20	mg/L		20	EPA-160.2
Temperature		63	deg F			
Total Solids		579	mg/L		150	EPA-160.3

**MW396****20147**

Turbidity		11	NTU			
<b>RADS</b>						
Alpha activity	U	-0.472	pCi/L	0.42	6.66	SW846-9310
Beta activity		5.84	pCi/L	1.47	5.74	SW846-9310
Iodine-131	U	3.81	pCi/L	7.62	29.8	RL-7124
Radium	U	-0.0602	pCi/L	0	0.73	RL-7113
Radium-224	U	0.0895	pCi/L	0.14	0.26	RL-7129
Radium-226	U	0.0742	pCi/L	0.14	0.31	RL-7129
Radium-228	U	1.47	pCi/L	0.27	3.79	RL-7129
Strontium-90	U	0.302	pCi/L	0.05	1.43	RL-7140
Technetium-99	U	16.2	pCi/L	14.1	18.8	RL-7100
Thorium-230	U	0.285	pCi/L	0.12	0.4	RL-7128
Tritium	U	-111	pCi/L	169	285	704R7
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	UY	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	JU	0.01	mg/L		0.01	SW846-8260
Acrolein	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	JU	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260

# Paducah-OREIS Data Report

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## MW396

### 20147

Methylene chloride	U	0.005 mg/L	0.005	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Cyanide	U	0.05 mg/L	0.05	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		6.4 mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.12 mg/L	0.01	SW846-9020B

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# Paducah-OREIS Data Report

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**MW397**  
**20147**  
**MW397SG3-05**

Collected: 4/21/2005

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	5	mg/L		5	SW846-9056
Chloride		44	mg/L		1	SW846-9056
Fluoride		0.15	mg/L		0.1	9214
Nitrate as Nitrogen		1.4	mg/L		1	SW846-9056
Sulfate		21	mg/L		1	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic	BU	0.001	mg/L		0.001	SW846-6020
Barium	X	0.163	mg/L		0.005	SW846-6020
Barium, Dissolved		0.163	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	BU	0.2	mg/L		0.2	SW846-6010A
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		20.6	mg/L		1	SW846-6010A
Chromium	U	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Cobalt	U	0.001	mg/L		0.001	SW846-6020
Copper	U	0.02	mg/L		0.02	SW846-6020
Iron		0.104	mg/L		0.1	SW846-6010A
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		8.35	mg/L		0.02	SW846-6010A
Manganese	UX	0.005	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	U	0.001	mg/L		0.001	SW846-6020
Nickel	U	0.005	mg/L		0.005	SW846-6020
Potassium		1.9	mg/L		0.2	SW846-6010A
Rhodium	BU	0.005	mg/L		0.005	SW846-6020
Selenium	BJ	0.0055	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		38.9	mg/L		1	SW846-6010A
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	BU	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.88	Inches/Hg			
<b>PHYSC</b>						
Conductivity		348	umho/cm			
Depth to Water		58.18	ft			
Dissolved Oxygen		4.09	mg/L			
Dissolved Solids	U	500	mg/L		500	EPA-160.1
pH		6.15	Std Unit			
Redox		280	mV			
Suspended Solids	U	14	mg/L		14	EPA-160.2
Temperature		63	deg F			
Total Solids		197	mg/L		150	EPA-160.3



**MW397**

**20147**

Turbidity		2.7	NTU			
<b>RADS</b>						
Alpha activity	U	1.4	pCi/L	0.84	5.05	SW846-9310
Beta activity		11.4	pCi/L	2.18	4.41	SW846-9310
Iodine-131	U	0.413	pCi/L	0.82	29.9	RL-7124
Radium	U	-0.0207	pCi/L	0	0.72	RL-7113
Radium-224	U	0.0348	pCi/L	0.09	0.23	RL-7129
Radium-226	U	0.224	pCi/L	0.2	0.33	RL-7129
Radium-228	U	2.88	pCi/L	0.49	4.62	RL-7129
Strontium-90	U	0.209	pCi/L	0.03	1.45	RL-7140
Technetium-99	U	13.8	pCi/L	14.9	20.1	RL-7100
Thorium-230	U	0.109	pCi/L	0.08	0.4	RL-7128
Tritium	U	-83.5	pCi/L	170	285	704R7
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JUY	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L		0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	JU	0.01	mg/L		0.01	SW846-8260
Acrolein	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	JUY	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260

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## MW397

### 20147

Methylene chloride	U	0.005 mg/L	0.005	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Cyanide	U	0.05 mg/L	0.05	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.01 mg/L	0.01	SW846-9020B

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# Paducah-OREIS Data Report

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**MW369**  
**20155**  
**MW369UG3-05**

Collected: 4/7/2005

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	5	mg/L		5	SW846-9056
Chloride		45	mg/L		2	SW846-9056
Fluoride		0.22	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		12	mg/L		5	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic		0.00692	mg/L		0.001	SW846-6020
Barium		0.385	mg/L		0.005	SW846-6020
Barium, Dissolved		0.395	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	BU	0.2	mg/L		0.2	SW846-6010A
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium	J	23.7	mg/L		1	SW846-6010A
Chromium	BU	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Cobalt		0.0568	mg/L		0.001	SW846-6020
Copper	BNU	0.02	mg/L		0.02	SW846-6020
Iron		7.19	mg/L		0.1	SW846-6010A
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium	N	9.7	mg/L		0.02	SW846-6010A
Manganese	X	0.596	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel		0.0101	mg/L		0.005	SW846-6020
Potassium		0.934	mg/L		0.2	SW846-6010A
Rhodium	BU	0.005	mg/L		0.005	SW846-6020
Selenium	U	0.005	mg/L		0.005	SW846-6020
Silver	U	0.001	mg/L		0.001	SW846-6020
Sodium		56.8	mg/L		1	SW846-6010A
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	BU	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	BU	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	BNU	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.68	Inches/Hg			
<b>PHYSC</b>						
Conductivity		437	umho/cm			
Depth to Water		36.04	ft			
Dissolved Oxygen		1.3	mg/L			
Dissolved Solids	U	500	mg/L		500	EPA-160.1
pH		6.28	Std Unit			
Redox		64	mV			
Suspended Solids	U	25	mg/L		25	EPA-160.2
Temperature		60.6	deg F			
Total Solids		263	mg/L		100	EPA-160.3

\*QUALIFIER Codes See attached List.

## MW369

## 20155

Turbidity		40.9	NTU			
<b>RADS</b>						
Alpha activity	U	-0.536	pCi/L	0.61	4.45	SW846-9310
Beta activity		8.68	pCi/L	1.73	5.42	SW846-9310
Iodine-131	U	7.02	pCi/L	14	29.9	RL-7124
Radium	U	-0.0269	pCi/L	0	0.74	RL-7113
Radium-224	U	0.134	pCi/L	0.15	0.2	RL-7129
Radium-226	U	0.111	pCi/L	0.15	0.3	RL-7129
Radium-228		7.45	pCi/L	0.95	2.33	RL-7129
Strontium-90	U	0.419	pCi/L	0.06	1.63	RL-7140
Technetium-99	U	0.334	pCi/L	13.1	18.4	RL-7100
Thorium-230	U	0.224	pCi/L	0.09	0.46	RL-7128
Tritium	U	-82.7	pCi/L	165	278	704R7
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	UY	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	JU	0.01	mg/L		0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L		0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	JU	0.01	mg/L		0.01	SW846-8260
Acetone	JU	0.01	mg/L		0.01	SW846-8260
Acrolein	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	JU	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	JU	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	JU	0.005	mg/L		0.005	SW846-8260

# Paducah-OREIS Data Report

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## MW369

### 20155

Methylene chloride	U	0.005 mg/L	0.005	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene		0.0028 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	BU	25 mg/L	25	EPA-410.4 1978
Cyanide	U	0.05 mg/L	0.05	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		2.2 mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.0317 mg/L	0.01	SW846-9020B

# Paducah-OREIS Data Report

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12/18/2007

**MW370**  
**20155**  
**MW370UG3-05**

Collected: 4/7/2005

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	5	mg/L		5	SW846-9056
Chloride		52	mg/L		5	SW846-9056
Fluoride		0.18	mg/L		0.1	9214
Nitrate as Nitrogen		1	mg/L		1	SW846-9056
Sulfate		17	mg/L		1	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic		0.00124	mg/L		0.001	SW846-6020
Barium		0.21	mg/L		0.005	SW846-6020
Barium, Dissolved		0.205	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	BU	0.2	mg/L		0.2	SW846-6010A
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium	J	32.8	mg/L		1	SW846-6010A
Chromium	BU	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Cobalt		0.00603	mg/L		0.001	SW846-6020
Copper	BNU	0.02	mg/L		0.02	SW846-6020
Iron		0.119	mg/L		0.1	SW846-6010A
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium	N	13.2	mg/L		0.02	SW846-6010A
Manganese	X	0.133	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	U	0.005	mg/L		0.005	SW846-6020
Potassium		2.59	mg/L		0.2	SW846-6010A
Rhodium	BU	0.005	mg/L		0.005	SW846-6020
Selenium	U	0.005	mg/L		0.005	SW846-6020
Silver	U	0.001	mg/L		0.001	SW846-6020
Sodium		40.7	mg/L		1	SW846-6010A
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	BU	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	BU	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	BNU	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.68	Inches/Hg			
<b>PHYSC</b>						
Conductivity		428	umho/cm			
Depth to Water		36.91	ft			
Dissolved Oxygen		2.48	mg/L			
Dissolved Solids	U	500	mg/L		500	EPA-160.1
pH		6.14	Std Unit			
Redox		248	mV			
Suspended Solids	U	25	mg/L		25	EPA-160.2
Temperature		60.1	deg F			
Total Solids		235	mg/L		100	EPA-160.3

# Paducah-OREIS Data Report

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## MW370

### 20155

Turbidity		4.3	NTU			
<b>RADS</b>						
Alpha activity	U	-0.156	pCi/L	0.09	5.35	SW846-9310
Beta activity		25.9	pCi/L	3.48	5.39	SW846-9310
Iodine-131	U	-6.98	pCi/L	14	19.3	RL-7124
Radium	U	0.283	pCi/L	0.12	0.74	RL-7113
Radium-224	U	-0.0014	pCi/L	0	0.21	RL-7129
Radium-226		0.294	pCi/L	0.22	0.27	RL-7129
Radium-228	U	0.893	pCi/L	0.17	2.72	RL-7129
Strontium-90	U	-0.0897	pCi/L	0.01	1.59	RL-7140
Technetium-99		35.8	pCi/L	14.4	18.4	RL-7100
Thorium-230	U	0.174	pCi/L	0.08	0.46	RL-7128
Tritium	U	20.7	pCi/L	167	278	704R7
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	UY	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	JU	0.01	mg/L		0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L		0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	JU	0.01	mg/L		0.01	SW846-8260
Acetone	JU	0.01	mg/L		0.01	SW846-8260
Acrolein	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	JU	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	JU	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	JU	0.005	mg/L		0.005	SW846-8260

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## MW370

### 20155

Methylene chloride	U	0.005 mg/L	0.005	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene		0.0082 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	BU	25 mg/L	25	EPA-410.4 1978
Cyanide	U	0.05 mg/L	0.05	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.0117 mg/L	0.01	SW846-9020B



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**MW371**

**20155**

**MW371UG3-05**

Collected: 4/7/2005

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	5	mg/L		5	SW846-9056
Chloride		7	mg/L		1	SW846-9056
Fluoride		0.31	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		3.6	mg/L		1	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic	U	0.001	mg/L		0.001	SW846-6020
Barium		0.126	mg/L		0.005	SW846-6020
Barium, Dissolved		0.123	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	BU	0.2	mg/L		0.2	SW846-6010A
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium	J	28.4	mg/L		1	SW846-6010A
Chromium	BU	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Cobalt	U	0.001	mg/L		0.001	SW846-6020
Copper	BNU	0.02	mg/L		0.02	SW846-6020
Iron		0.304	mg/L		0.1	SW846-6010A
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium	N	11.2	mg/L		0.02	SW846-6010A
Manganese	UX	0.005	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	U	0.005	mg/L		0.005	SW846-6020
Potassium	B	0.407	mg/L		0.2	SW846-6010A
Rhodium	BU	0.005	mg/L		0.005	SW846-6020
Selenium	U	0.005	mg/L		0.005	SW846-6020
Silver	U	0.001	mg/L		0.001	SW846-6020
Sodium		138	mg/L		1	SW846-6010A
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	BU	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	BU	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	BNU	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.68	Inches/Hg			
<b>PHYSC</b>						
Conductivity		656	umho/cm			
Depth to Water		20.82	ft			
Dissolved Oxygen		3.59	mg/L			
Dissolved Solids	U	500	mg/L		500	EPA-160.1
pH		6.8	Std Unit			
Redox		239	mV			
Suspended Solids	U	25	mg/L		25	EPA-160.2
Temperature		61.2	deg F			
Total Solids		419	mg/L		100	EPA-160.3

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## MW371

### 20155

Turbidity		5.6	NTU			
<b>RADS</b>						
Alpha activity	U	0.288	pCi/L	0.28	5.19	SW846-9310
Beta activity	U	3.11	pCi/L	0.78	6.28	SW846-9310
Iodine-131	U	2.25	pCi/L	4.49	28.8	RL-7124
Radium	U	0.116	pCi/L	0.11	0.74	RL-7113
Radium-224	U	-0.0014	pCi/L	0	0.24	RL-7129
Radium-226	U	0	pCi/L	0	0.3	RL-7129
Radium-228	U	1.53	pCi/L	0.28	3.69	RL-7129
Strontium-90	U	0.154	pCi/L	0.02	1.57	RL-7140
Technetium-99	U	6.17	pCi/L	13.4	18.4	RL-7100
Thorium-230	U	0.127	pCi/L	0.09	0.47	RL-7128
Tritium	U	-97.2	pCi/L	165	278	704R7
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	UY	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	JU	0.01	mg/L		0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L		0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	JU	0.01	mg/L		0.01	SW846-8260
Acetone	JU	0.01	mg/L		0.01	SW846-8260
Acrolein	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	JU	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	JU	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	JU	0.005	mg/L		0.005	SW846-8260

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## MW371

### 20155

Methylene chloride	U	0.005 mg/L	0.005	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	BU	25 mg/L	25	EPA-410.4 1978
Cyanide	U	0.05 mg/L	0.05	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		1.9 mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.0116 mg/L	0.01	SW846-9020B

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# Paducah-OREIS Data Report

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**MW245**  
**20188**  
**MW245QS3-05**

Collected: 5/5/2005

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	N	2.41	mg/L		0.2	SW846-6010A
Aluminum, Dissolved	U	0.2	mg/L		0.2	SW846-6010A
Calcium		27.1	mg/L		1	SW846-6010A
Calcium, Dissolved		26.9	mg/L		1	SW846-6010A
Iron		33.9	mg/L		0.1	SW846-6010A
Iron, Dissolved	B	30.4	mg/L		0.1	SW846-6010A
Magnesium		10.9	mg/L		0.02	SW846-6010A
Magnesium, Dissolved	B	10.7	mg/L		0.02	SW846-6010A
Manganese		10.9	mg/L		0.05	SW846-6020
Manganese, Dissolved		10.3	mg/L		0.05	SW846-6020
Potassium		1.39	mg/L		0.2	SW846-6010A
Potassium, Dissolved		1.13	mg/L		0.2	SW846-6010A
Sodium		24.8	mg/L		1	SW846-6010A
Sodium, Dissolved		24.5	mg/L		1	SW846-6010A
<b>METEO</b>						
Barometric Pressure Reading		30.21	Inches/Hg			
<b>PHYSC</b>						
Conductivity		479	umho/cm			
Depth to Water		40.06	ft			
Dissolved Oxygen		0.96	mg/L			
pH		6.14	Std Unit			
Redox		16	mV			
Temperature		63.2	deg F			
Turbidity		47.7	NTU			
<b>RADS</b>						
Alpha activity	U	0.566	pCi/L	0.5	3.97	SW846-9310
Beta activity	U	2.35	pCi/L	0.56	4.65	SW846-9310
Technetium-99	U	3.29	pCi/L	12.4	17.2	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene	DX	0.14	mg/L		0.002	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260
<b>WETCHEM</b>						
Phosphate as Phosphorous	U	1	mg/L		1	SW846-9056
Silica		25	mg/L		4	EPA-370.1

**MW245**  
**20188**

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# Paducah-OREIS Data Report

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12/18/2007

**MW369**

**20204**

**070501**

Collected: 7/20/2005

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>PHYSC</b>						
Conductivity	U	396	umho/cm			
Depth to Water	U	53.5	ft			
Dissolved Oxygen	U	2.51	mg/L			
pH	U	6.3	Std Unit			
Redox	U	186	mV			
Temperature	U	66.5	deg F			
Turbidity	U	19.4	NTU			
<b>RADS</b>						
Technetium-99	U	1.2	pCi/L	1.5	2.4	DOE TC-02-RC MO
Technetium-99		3.2	pCi/L	1.7	2.7	DOE TC-02-RC MO
<b>SVOA</b>						
1,2,4-Trichlorobenzene	U	0.001	mg/L		0.001	SW846-8260B
1,2-Dichlorobenzene	U	0.001	mg/L		0.001	SW846-8260B
1,3-Dichlorobenzene	U	0.001	mg/L		0.001	SW846-8260B
1,4-Dichlorobenzene	U	0.001	mg/L		0.001	SW846-8260B
Hexachlorobutadiene	U	0.001	mg/L		0.001	SW846-8260B
Naphthalene	U	0.001	mg/L		0.001	SW846-8260B
<b>VOA</b>						
(1,1-Dimethylethyl)benzene	U	0.001	mg/L		0.001	SW846-8260B
(1-Methylpropyl)benzene	U	0.001	mg/L		0.001	SW846-8260B
1,1,1,2-Tetrachloroethane	U	0.001	mg/L		0.001	SW846-8260B
1,1,1-Trichloroethane	U	0.001	mg/L		0.001	SW846-8260B
1,1,2,2-Tetrachloroethane	U	0.001	mg/L		0.001	SW846-8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	U	0.001	mg/L		0.001	SW846-8260B
1,1,2-Trichloroethane	U	0.001	mg/L		0.001	SW846-8260B
1,1-Dichloroethane	U	0.001	mg/L		0.001	SW846-8260B
1,1-Dichloroethene	U	0.001	mg/L		0.001	SW846-8260B
1,1-Dichloropropene	U	0.001	mg/L		0.001	SW846-8260B
1,2,3-Trichlorobenzene	U	0.001	mg/L		0.001	SW846-8260B
1,2,3-Trichloropropane	U	0.001	mg/L		0.001	SW846-8260B
1,2-Dibromo-3-chloropropane	U	0.001	mg/L		0.001	SW846-8260B
1,2-Dibromoethane	U	0.001	mg/L		0.001	SW846-8260B
1,2-Dichloroethane	U	0.001	mg/L		0.001	SW846-8260B
1,2-Dichloroethene	U	0.002	mg/L		0.002	SW846-8260B
1,2-Dichloropropane	U	0.001	mg/L		0.001	SW846-8260B
1,2-Dimethylbenzene	U	0.001	mg/L		0.001	SW846-8260B
1,3,5-Trimethylbenzene	U	0.001	mg/L		0.001	SW846-8260B
1,3-Dichloropropane	U	0.001	mg/L		0.001	SW846-8260B
1,4-Dioxane	U	0.2	mg/L		0.2	SW846-8260B
1-Chloro-4-methylbenzene	U	0.001	mg/L		0.001	SW846-8260B
1-Methyl-4-(1-methylethyl)benzene	U	0.001	mg/L		0.001	SW846-8260B
2,2-Dichloropropane	U	0.001	mg/L		0.001	SW846-8260B
2-Butanone	U	0.005	mg/L		0.005	SW846-8260B
2-Chloro-1,3-butadiene	U	0.001	mg/L		0.001	SW846-8260B
2-Hexanone	U	0.005	mg/L		0.005	SW846-8260B
2-Methoxy-2-methylpropane	U	0.002	mg/L		0.002	SW846-8260B
4-Methyl-2-pentanone	U	0.005	mg/L		0.005	SW846-8260B
Acetone	U	0.01	mg/L		0.01	SW846-8260B
Acetonitrile	U	0.02	mg/L		0.02	SW846-8260B

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Acrolein	U	0.02	mg/L	0.02	SW846-8260B
Acrylonitrile	U	0.02	mg/L	0.02	SW846-8260B
Allyl chloride	U	0.002	mg/L	0.002	SW846-8260B
Benzene	U	0.001	mg/L	0.001	SW846-8260B
Bromobenzene	U	0.001	mg/L	0.001	SW846-8260B
Bromochloromethane	U	0.001	mg/L	0.001	SW846-8260B
Bromodichloromethane	U	0.001	mg/L	0.001	SW846-8260B
Bromoform	U	0.001	mg/L	0.001	SW846-8260B
Bromomethane	U	0.002	mg/L	0.002	SW846-8260B
Butylbenzene	U	0.001	mg/L	0.001	SW846-8260B
Carbon disulfide	U	0.001	mg/L	0.001	SW846-8260B
Carbon tetrachloride	U	0.001	mg/L	0.001	SW846-8260B
Chlorobenzene	U	0.001	mg/L	0.001	SW846-8260B
Chloroethane	U	0.002	mg/L	0.002	SW846-8260B
Chloroform	U	0.001	mg/L	0.001	SW846-8260B
Chloromethane	U	0.002	mg/L	0.002	SW846-8260B
cis-1,2-Dichloroethene	U	0.0005	mg/L	0.0005	SW846-8260B
cis-1,3-Dichloropropene	U	0.001	mg/L	0.001	SW846-8260B
Cumene	U	0.001	mg/L	0.001	SW846-8260B
Cyclohexanone	U	0.02	mg/L	0.02	SW846-8260B
Dibromochloromethane	U	0.001	mg/L	0.001	SW846-8260B
Dibromomethane	U	0.001	mg/L	0.001	SW846-8260B
Dichlorodifluoromethane	U	0.002	mg/L	0.002	SW846-8260B
Ethyl cyanide	U	0.004	mg/L	0.004	SW846-8260B
Ethyl methacrylate	U	0.001	mg/L	0.001	SW846-8260B
Ethylbenzene	U	0.001	mg/L	0.001	SW846-8260B
Hexane	U	0.004	mg/L	0.004	SW846-8260B
Iodomethane	U	0.001	mg/L	0.001	SW846-8260B
Isobutanol	U	0.05	mg/L	0.05	SW846-8260B
m,p-Xylene	U	0.002	mg/L	0.002	SW846-8260B
Methacrylonitrile	U	0.001	mg/L	0.001	SW846-8260B
Methyl methacrylate	U	0.001	mg/L	0.001	SW846-8260B
Methylene chloride	U	0.001	mg/L	0.001	SW846-8260B
o-Chlorotoluene	U	0.001	mg/L	0.001	SW846-8260B
Pentachloroethane	U	0.001	mg/L	0.001	SW846-8260B
Propylbenzene	U	0.001	mg/L	0.001	SW846-8260B
Styrene	U	0.001	mg/L	0.001	SW846-8260B
Tetrachloroethene	U	0.001	mg/L	0.001	SW846-8260B
Toluene	U	0.001	mg/L	0.001	SW846-8260B
Total Xylene	U	0.001	mg/L	0.001	SW846-8260B
trans-1,2-Dichloroethene	U	0.0005	mg/L	0.0005	SW846-8260B
trans-1,3-Dichloropropene	U	0.001	mg/L	0.001	SW846-8260B
Trans-1,4-Dichloro-2-butene	U	0.001	mg/L	0.001	SW846-8260B
Trichloroethene	B	0.0016	mg/L	0.001	SW846-8260B
Trichlorofluoromethane	U	0.002	mg/L	0.002	SW846-8260B
Vinyl acetate	U	0.002	mg/L	0.002	SW846-8260B
Vinyl chloride	U	0.002	mg/L	0.002	SW846-8260B

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**MW370**

**20204**

**070502**

Collected: 7/20/2005

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>PHYSC</b>						
Conductivity	U	428	umho/cm			
Depth to Water	U	73	ft			
Dissolved Oxygen	U	2.65	mg/L			
pH	U	6.2	Std Unit			
Redox	U	250	mV			
Temperature	U	67.6	deg F			
Turbidity	U	6.7	NTU			
<b>RADS</b>						
Technetium-99		38	pCi/L	4.4	2.2	DOE TC-02-RC MO
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.001	mg/L		0.001	SW846-8260B
1,1,1-Trichloroethane	U	0.001	mg/L		0.001	SW846-8260B
1,1,2,2-Tetrachloroethane	U	0.001	mg/L		0.001	SW846-8260B
1,1,2-Trichloroethane	U	0.001	mg/L		0.001	SW846-8260B
1,1-Dichloroethane	U	0.001	mg/L		0.001	SW846-8260B
1,1-Dichloroethene	U	0.001	mg/L		0.001	SW846-8260B
1,2,3-Trichloropropane	U	0.001	mg/L		0.001	SW846-8260B
1,2-Dibromo-3-chloropropane	U	0.001	mg/L		0.001	SW846-8260B
1,2-Dibromoethane	U	0.001	mg/L		0.001	SW846-8260B
1,2-Dichloroethane	U	0.001	mg/L		0.001	SW846-8260B
1,2-Dichloropropane	U	0.001	mg/L		0.001	SW846-8260B
1,4-Dioxane	U	0.2	mg/L		0.2	SW846-8260B
2-Butanone	U	0.005	mg/L		0.005	SW846-8260B
2-Chloro-1,3-butadiene	U	0.001	mg/L		0.001	SW846-8260B
2-Hexanone	U	0.005	mg/L		0.005	SW846-8260B
Acetone	U	0.01	mg/L		0.01	SW846-8260B
Acetonitrile	U	0.02	mg/L		0.02	SW846-8260B
Acrolein	U	0.02	mg/L		0.02	SW846-8260B
Acrylonitrile	U	0.02	mg/L		0.02	SW846-8260B
Allyl chloride	U	0.002	mg/L		0.002	SW846-8260B
Benzene	U	0.001	mg/L		0.001	SW846-8260B
Bromodichloromethane	U	0.001	mg/L		0.001	SW846-8260B
Bromoform	U	0.001	mg/L		0.001	SW846-8260B
Bromomethane	U	0.002	mg/L		0.002	SW846-8260B
Carbon disulfide	U	0.001	mg/L		0.001	SW846-8260B
Carbon tetrachloride	U	0.001	mg/L		0.001	SW846-8260B
Chlorobenzene	J	0.00014	mg/L		0.001	SW846-8260B
Chloroethane	U	0.002	mg/L		0.002	SW846-8260B
Chloroform	U	0.001	mg/L		0.001	SW846-8260B
Chloromethane	U	0.002	mg/L		0.002	SW846-8260B
cis-1,2-Dichloroethene	U	0.0005	mg/L		0.0005	SW846-8260B
cis-1,3-Dichloropropene	U	0.001	mg/L		0.001	SW846-8260B
Dibromochloromethane	U	0.001	mg/L		0.001	SW846-8260B
Dibromomethane	U	0.001	mg/L		0.001	SW846-8260B
Dichlorodifluoromethane	U	0.002	mg/L		0.002	SW846-8260B
Ethyl cyanide	U	0.004	mg/L		0.004	SW846-8260B
Ethyl methacrylate	U	0.001	mg/L		0.001	SW846-8260B
Ethylbenzene	U	0.001	mg/L		0.001	SW846-8260B
Iodomethane	U	0.001	mg/L		0.001	SW846-8260B



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Isobutanol	U	0.05	mg/L	0.05	SW846-8260B
Methacrylonitrile	U	0.001	mg/L	0.001	SW846-8260B
Methyl methacrylate	U	0.001	mg/L	0.001	SW846-8260B
Methylene chloride	U	0.001	mg/L	0.001	SW846-8260B
Pentachloroethane	U	0.001	mg/L	0.001	SW846-8260B
Styrene	U	0.001	mg/L	0.001	SW846-8260B
Tetrachloroethene	U	0.001	mg/L	0.001	SW846-8260B
Toluene	U	0.001	mg/L	0.001	SW846-8260B
Total Xylene	U	0.001	mg/L	0.001	SW846-8260B
trans-1,2-Dichloroethene	U	0.0005	mg/L	0.0005	SW846-8260B
trans-1,3-Dichloropropene	U	0.001	mg/L	0.001	SW846-8260B
Trans-1,4-Dichloro-2-butene	U	0.001	mg/L	0.001	SW846-8260B
Trichloroethene	B	0.0084	mg/L	0.001	SW846-8260B
Trichlorofluoromethane	U	0.002	mg/L	0.002	SW846-8260B
Vinyl acetate	U	0.002	mg/L	0.002	SW846-8260B
Vinyl chloride	U	0.002	mg/L	0.002	SW846-8260B

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# Paducah-OREIS Data Report

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**MW185**

**20228**

**MW185SA3-05**

Collected: 6/20/2005

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Uranium	BU	0.001	mg/L		0.001	SW846-6020
Uranium	U	0.005	mg/L		0.005	ST7106
<b>METEO</b>						
Barometric Pressure Reading		30.03	Inches/Hg			
<b>PHYSC</b>						
Conductivity		435	umho/cm			
Depth to Water		45.24	ft			
Dissolved Oxygen		2.09	mg/L			
pH		6.23	Std Unit			
Redox		206	mV			
Temperature		63.6	deg F			
Turbidity		26.5	NTU			
<b>RADS</b>						
Alpha activity		25.9	pCi/L	3.55	3.65	SW846-9310
Beta activity		494	pCi/L	15.8	4.65	SW846-9310
Dissolved Alpha		31.1	pCi/L	5.99	5.35	SW846-9310
Dissolved Beta		461	pCi/L	22.3	9.27	SW846-9310
Potassium-40	U	5.3	pCi/L	10.6	35.9	RL-7124
Suspended Alpha	U	0.353	pCi/L	0.4	4.2	SW846-9310
Suspended Beta		9.34	pCi/L	2.09	8.73	SW846-9310
Technetium-99		687	pCi/L	26.5	17.2	RL-7100
Thorium-228	U	0.0278	pCi/L	0.05	0.17	RL-7128
Thorium-230	U	0.0198	pCi/L	0.07	0.95	RL-7128
Thorium-232	U	-0.0097	pCi/L	0.02	0.16	RL-7128
Thorium-234	U	-3.11	pCi/L	6.21	24.7	RL-7124
Uranium	U	0.0113	pCi/L	0.03	0.53	RL-7128
Uranium-234	U	0.0108	pCi/L	0.03	0.34	RL-7128
Uranium-235	U	0.00301	pCi/L	0.02	0.09	RL-7128
Uranium-235			wt %			ST7106
Uranium-238	U	-0.0025	pCi/L	0.03	0.09	RL-7128
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.2	mg/L		0.2	SW846-8260
1,1,2-Trichloroethane	U	0.2	mg/L		0.2	SW846-8260
1,1-Dichloroethane	U	0.2	mg/L		0.2	SW846-8260
1,1-Dichloroethene	U	0.2	mg/L		0.2	SW846-8260
1,2-Dichloroethane	U	0.2	mg/L		0.2	SW846-8260
Benzene	U	0.2	mg/L		0.2	SW846-8260
Bromodichloromethane	U	0.2	mg/L		0.2	SW846-8260
Carbon tetrachloride	U	0.2	mg/L		0.2	SW846-8260
Chloroform	U	0.2	mg/L		0.2	SW846-8260
cis-1,2-Dichloroethene	U	0.2	mg/L		0.2	SW846-8260
Ethylbenzene	U	0.2	mg/L		0.2	SW846-8260
Tetrachloroethene	U	0.2	mg/L		0.2	SW846-8260
Toluene	U	0.2	mg/L		0.2	SW846-8260
Total Xylene	U	0.6	mg/L		0.6	SW846-8260
trans-1,2-Dichloroethene	U	0.2	mg/L		0.2	SW846-8260
Trichloroethene	D	2.7	mg/L		0.04	SW846-8260
Vinyl chloride	U	0.08	mg/L		0.08	SW846-8260

# Paducah-OREIS Data Report

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**MW186**  
**20228**  
**MW186SA3-05**

Collected: 6/14/2005

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Uranium	U	0.005	mg/L		0.005	ST7106
Uranium	BU	0.001	mg/L		0.001	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.74	Inches/Hg			
<b>PHYSC</b>						
Conductivity		1425	umho/cm			
Depth to Water		7.12	ft			
Dissolved Oxygen		0.8	mg/L			
pH		6	Std Unit			
Redox		195	mV			
Temperature		66.9	deg F			
Turbidity		36	NTU			
<b>RADS</b>						
Alpha activity	U	4.32	pCi/L	2.16	21.5	SW846-9310
Beta activity		35.6	pCi/L	5.59	11.3	SW846-9310
Dissolved Alpha	U	12.5	pCi/L	5.73	18.1	SW846-9310
Dissolved Beta		47.2	pCi/L	6.87	11.1	SW846-9310
Potassium-40	U	-9.43	pCi/L	18.9	49.9	RL-7124
Suspended Alpha	U	0.142	pCi/L	0.12	6.82	SW846-9310
Suspended Beta	U	-1.96	pCi/L	0.64	8.34	SW846-9310
Technetium-99		26.1	pCi/L	12	16.8	RL-7100
Thorium-228	U	0.0133	pCi/L	0.06	0.66	RL-7128
Thorium-230	U	0.137	pCi/L	0.08	1.35	RL-7128
Thorium-232	U	-0.0161	pCi/L	0.03	0.25	RL-7128
Thorium-234	U	-3.73	pCi/L	7.46	35	RL-7124
Uranium	U	0.112	pCi/L	0.25	0.79	RL-7128
Uranium-234	U	0.0783	pCi/L	0.08	0.39	RL-7128
Uranium-235	U	0.0144	pCi/L	0.03	0.11	RL-7128
Uranium-235			wt %			ST7106
Uranium-238	U	0.0195	pCi/L	0.05	0.28	RL-7128
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.05	mg/L		0.05	SW846-8260
1,1,2-Trichloroethane	U	0.05	mg/L		0.05	SW846-8260
1,1-Dichloroethane	U	0.05	mg/L		0.05	SW846-8260
1,1-Dichloroethene	U	0.05	mg/L		0.05	SW846-8260
1,2-Dichloroethane	U	0.05	mg/L		0.05	SW846-8260
Benzene	U	0.05	mg/L		0.05	SW846-8260
Bromodichloromethane	U	0.05	mg/L		0.05	SW846-8260
Carbon tetrachloride	U	0.05	mg/L		0.05	SW846-8260
Chloroform	U	0.05	mg/L		0.05	SW846-8260
cis-1,2-Dichloroethene	D	0.23	mg/L		0.05	SW846-8260
Ethylbenzene	U	0.05	mg/L		0.05	SW846-8260
Tetrachloroethene	U	0.05	mg/L		0.05	SW846-8260
Toluene	U	0.05	mg/L		0.05	SW846-8260
Total Xylene	U	0.15	mg/L		0.15	SW846-8260
trans-1,2-Dichloroethene	U	0.05	mg/L		0.05	SW846-8260
Trichloroethene	D	0.059	mg/L		0.01	SW846-8260
Vinyl chloride	D	0.41	mg/L		0.02	SW846-8260

# Paducah-OREIS Data Report

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**MW187**

**20228**

**MW187SA3-05**

Collected: 6/20/2005

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Uranium	BU	0.001	mg/L		0.001	SW846-6020
Uranium	U	0.005	mg/L		0.005	ST7106
<b>METEO</b>						
Barometric Pressure Reading		30.03	Inches/Hg			
<b>PHYSC</b>						
Conductivity		856	umho/cm			
Depth to Water		7.13	ft			
Dissolved Oxygen		2.09	mg/L			
pH		6.46	Std Unit			
Redox		236	mV			
Temperature		64.9	deg F			
Turbidity		108	NTU			
<b>RADS</b>						
Alpha activity	U	5.45	pCi/L	3.15	7.19	SW846-9310
Beta activity	U	3.89	pCi/L	0.89	5.89	SW846-9310
Dissolved Alpha	U	6.8	pCi/L	4.54	7.32	SW846-9310
Dissolved Beta	U	8.97	pCi/L	2.09	10.1	SW846-9310
Potassium-40	U	2.74	pCi/L	5.48	37.2	RL-7124
Suspended Alpha		5.96	pCi/L	3.44	4.2	SW846-9310
Suspended Beta	U	3.63	pCi/L	0.95	8.72	SW846-9310
Technetium-99	U	-6.8	pCi/L	12.5	17.8	RL-7100
Thorium-228	U	0.0538	pCi/L	0.06	0.17	RL-7128
Thorium-230	U	-0.0265	pCi/L	0.05	0.94	RL-7128
Thorium-232	U	-0.0090	pCi/L	0.02	0.16	RL-7128
Thorium-234	U	-20.7	pCi/L	41.5	46.8	RL-7124
Uranium	U	0.271	pCi/L	0.56	0.41	RL-7128
Uranium-234	U	0.13	pCi/L	0.06	0.22	RL-7128
Uranium-235			wt %			ST7106
Uranium-235	U	0.00314	pCi/L	0.01	0.09	RL-7128
Uranium-238		0.138	pCi/L	0.06	0.09	RL-7128
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.1	mg/L		0.1	SW846-8260
1,1,2-Trichloroethane	U	0.1	mg/L		0.1	SW846-8260
1,1-Dichloroethane	U	0.1	mg/L		0.1	SW846-8260
1,1-Dichloroethene	U	0.1	mg/L		0.1	SW846-8260
1,2-Dichloroethane	U	0.1	mg/L		0.1	SW846-8260
Benzene	U	0.1	mg/L		0.1	SW846-8260
Bromodichloromethane	U	0.1	mg/L		0.1	SW846-8260
Carbon tetrachloride	U	0.1	mg/L		0.1	SW846-8260
Chloroform	U	0.1	mg/L		0.1	SW846-8260
cis-1,2-Dichloroethene	U	0.1	mg/L		0.1	SW846-8260
Ethylbenzene	U	0.1	mg/L		0.1	SW846-8260
Tetrachloroethene	U	0.1	mg/L		0.1	SW846-8260
Toluene	U	0.1	mg/L		0.1	SW846-8260
Total Xylene	U	0.3	mg/L		0.3	SW846-8260
trans-1,2-Dichloroethene	U	0.1	mg/L		0.1	SW846-8260
Trichloroethene	D	1.7	mg/L		0.02	SW846-8260
Vinyl chloride	U	0.04	mg/L		0.04	SW846-8260

# Paducah-OREIS Data Report

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12/18/2007

**MW333**

**20228**

**MW333SA3-05**

Collected: 6/14/2005

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Uranium	U	0.005	mg/L		0.005	ST7106
Uranium	BU	0.001	mg/L		0.001	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.74	Inches/Hg			
<b>PHYSC</b>						
Conductivity		235	umho/cm			
Depth to Water		47.59	ft			
Dissolved Oxygen		2.23	mg/L			
pH		6.1	Std Unit			
Redox		265	mV			
Temperature		69.9	deg F			
Turbidity		91.7	NTU			
<b>RADS</b>						
Alpha activity	U	0.455	pCi/L	0.27	5.92	SW846-9310
Beta activity	U	2.91	pCi/L	0.68	4.71	SW846-9310
Dissolved Alpha	U	2.32	pCi/L	1.47	7.81	SW846-9310
Dissolved Beta	U	8.16	pCi/L	1.86	8.66	SW846-9310
Potassium-40	U	6.35	pCi/L	12.7	50	RL-7124
Suspended Alpha	U	-2.22	pCi/L	4.44	6.87	SW846-9310
Suspended Beta	U	1.72	pCi/L	0.47	8.37	SW846-9310
Technetium-99	U	6.24	pCi/L	11.4	16.8	RL-7100
Thorium-228	U	0.0684	pCi/L	0.07	0.67	RL-7128
Thorium-230	U	0.134	pCi/L	0.09	1.35	RL-7128
Thorium-232	U	-0.0086	pCi/L	0.04	0.26	RL-7128
Thorium-234	U	0.854	pCi/L	1.71	33.7	RL-7124
Uranium	U	0.0711	pCi/L	0.16	0.78	RL-7128
Uranium-234	U	0.0723	pCi/L	0.06	0.38	RL-7128
Uranium-235			wt %			ST7106
Uranium-235	U	-0.0127	pCi/L	0.01	0.11	RL-7128
Uranium-238	U	0.0115	pCi/L	0.04	0.28	RL-7128
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.05	mg/L		0.05	SW846-8260
1,1,2-Trichloroethane	U	0.05	mg/L		0.05	SW846-8260
1,1-Dichloroethane	U	0.05	mg/L		0.05	SW846-8260
1,1-Dichloroethene	U	0.05	mg/L		0.05	SW846-8260
1,2-Dichloroethane	U	0.05	mg/L		0.05	SW846-8260
Benzene	U	0.05	mg/L		0.05	SW846-8260
Bromodichloromethane	U	0.05	mg/L		0.05	SW846-8260
Carbon tetrachloride	U	0.05	mg/L		0.05	SW846-8260
Chloroform	U	0.05	mg/L		0.05	SW846-8260
cis-1,2-Dichloroethene	D	0.097	mg/L		0.05	SW846-8260
Ethylbenzene	U	0.05	mg/L		0.05	SW846-8260
Tetrachloroethene	U	0.05	mg/L		0.05	SW846-8260
Toluene	U	0.05	mg/L		0.05	SW846-8260
Total Xylene	U	0.15	mg/L		0.15	SW846-8260
trans-1,2-Dichloroethene	U	0.05	mg/L		0.05	SW846-8260
Trichloroethene	D	0.76	mg/L		0.01	SW846-8260
Vinyl chloride	U	0.02	mg/L		0.02	SW846-8260

# Paducah-OREIS Data Report

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12/18/2007

**MW337**

**20228**

**MW337SA3-05**

Collected: 6/21/2005

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Uranium	BU	0.001	mg/L		0.001	SW846-6020
Uranium	U	0.005	mg/L		0.005	ST7106
<b>METEO</b>						
Barometric Pressure Reading		30.06	Inches/Hg			
<b>PHYSC</b>						
Conductivity		194	umho/cm			
Depth to Water		45.52	ft			
Dissolved Oxygen		4.73	mg/L			
pH		5.94	Std Unit			
Redox		276	mV			
Temperature		68.7	deg F			
Turbidity		20.5	NTU			
<b>RADS</b>						
Alpha activity		4.73	pCi/L	1.31	2.99	SW846-9310
Beta activity		113	pCi/L	7.23	4.42	SW846-9310
Dissolved Alpha		7.68	pCi/L	2.76	4.67	SW846-9310
Dissolved Beta		124	pCi/L	11	8.98	SW846-9310
Potassium-40	U	0.178	pCi/L	0.35	41.6	RL-7124
Suspended Alpha	U	0.502	pCi/L	0.71	4.18	SW846-9310
Suspended Beta	U	0.777	pCi/L	0.22	8.71	SW846-9310
Technetium-99		177	pCi/L	17.2	17.2	RL-7100
Thorium-228	UT	-0.0071	pCi/L	0.23	0.42	RL-7128
Thorium-230	UT	0.0519	pCi/L	0.27	1.14	RL-7128
Thorium-232	UT	-0.0387	pCi/L	0.18	0.46	RL-7128
Thorium-234	U	-26.2	pCi/L	52.4	50	RL-7124
Uranium	U	0.052	pCi/L	0.15	0.41	RL-7128
Uranium-234	U	0.059	pCi/L	0.05	0.21	RL-7128
Uranium-235	U	-0.0123	pCi/L	0.02	0.1	RL-7128
Uranium-235			wt %			ST7106
Uranium-238	U	0.00534	pCi/L	0.03	0.1	RL-7128
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.01	mg/L		0.01	SW846-8260
1,1,2-Trichloroethane	U	0.01	mg/L		0.01	SW846-8260
1,1-Dichloroethane	U	0.01	mg/L		0.01	SW846-8260
1,1-Dichloroethene	U	0.01	mg/L		0.01	SW846-8260
1,2-Dichloroethane	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.01	mg/L		0.01	SW846-8260
Bromodichloromethane	U	0.01	mg/L		0.01	SW846-8260
Carbon tetrachloride	U	0.01	mg/L		0.01	SW846-8260
Chloroform	U	0.01	mg/L		0.01	SW846-8260
cis-1,2-Dichloroethene	D	0.014	mg/L		0.01	SW846-8260
Ethylbenzene	U	0.01	mg/L		0.01	SW846-8260
Tetrachloroethene	U	0.01	mg/L		0.01	SW846-8260
Toluene	U	0.01	mg/L		0.01	SW846-8260
Total Xylene	U	0.03	mg/L		0.03	SW846-8260
trans-1,2-Dichloroethene	U	0.01	mg/L		0.01	SW846-8260
Trichloroethene	D	0.18	mg/L		0.002	SW846-8260
Vinyl chloride	U	0.004	mg/L		0.004	SW846-8260

# Paducah-OREIS Data Report

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12/18/2007

**MW338**

**20228**

**MW338SA3-05**

Collected: 6/16/2005

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Uranium	BU	0.001	mg/L		0.001	SW846-6020
Uranium	U	0.005	mg/L		0.005	ST7106
<b>METEO</b>						
Barometric Pressure Reading		29.85	Inches/Hg			
<b>PHYSC</b>						
Conductivity		204	umho/cm			
Depth to Water		45.55	ft			
Dissolved Oxygen		6.25	mg/L			
pH		5.7	Std Unit			
Redox		302	mV			
Temperature		64.1	deg F			
Turbidity		53.3	NTU			
<b>RADS</b>						
Alpha activity	U	1.43	pCi/L	0.76	5.45	SW846-9310
Beta activity	U	2.46	pCi/L	0.59	4.62	SW846-9310
Dissolved Alpha	U	2.81	pCi/L	2.3	4.69	SW846-9310
Dissolved Beta	U	4.01	pCi/L	1.04	8.99	SW846-9310
Potassium-40	U	-38.3	pCi/L	76.6	49.3	RL-7124
Suspended Alpha	U	0.861	pCi/L	0.99	4.22	SW846-9310
Suspended Beta	U	3.38	pCi/L	0.89	8.74	SW846-9310
Technetium-99	U	12.4	pCi/L	13.2	17.8	RL-7100
Thorium-228	UT	-0.0798	pCi/L	0.14	0.8	RL-7128
Thorium-230	UT	-0.0474	pCi/L	0.21	1.49	RL-7128
Thorium-232	UT	-0.0402	pCi/L	0.14	0.46	RL-7128
Thorium-234	U	-3.82	pCi/L	7.63	50	RL-7124
Uranium	U	-0.0367	pCi/L	0.1	0.83	RL-7128
Uranium-234	U	0.0101	pCi/L	0.05	0.44	RL-7128
Uranium-235	U	-0.0133	pCi/L	0.01	0.1	RL-7128
Uranium-235			wt %			ST7106
Uranium-238	U	-0.0335	pCi/L	0.03	0.28	RL-7128
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene		0.011	mg/L		0.001	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260

# Paducah-OREIS Data Report

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12/18/2007

**MW339**

**20228**

**MW339SA3-05**

Collected: 6/23/2005

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Uranium	BU	0.001	mg/L		0.001	SW846-6020
Uranium	U	0.005	mg/L		0.005	ST7106
<b>METEO</b>						
Barometric Pressure Reading		30	Inches/Hg			
<b>PHYSC</b>						
Conductivity		500	umho/cm			
Depth to Water		45.61	ft			
Dissolved Oxygen		3.84	mg/L			
pH		6.1	Std Unit			
Redox		211	mV			
Temperature		67.7	deg F			
Turbidity		26.7	NTU			
<b>RADS</b>						
Alpha activity		33.1	pCi/L	3.37	1.18	SW846-9310
Beta activity		1400	pCi/L	28.1	4.38	SW846-9310
Dissolved Alpha	U	-10.6	pCi/L	1.47	5.62	SW846-9310
Dissolved Beta		1250	pCi/L	36.6	9.09	SW846-9310
Potassium-40	U	8.1	pCi/L	16.2	43.2	RL-7124
Suspended Alpha	U	3.9	pCi/L	2.76	4.2	SW846-9310
Suspended Beta	U	0.755	pCi/L	0.22	8.46	SW846-9310
Technetium-99		2180	pCi/L	46.3	18.6	RL-7100
Thorium-228	U	0.107	pCi/L	0.11	0.22	RL-7128
Thorium-230	U	-0.0745	pCi/L	0.12	0.98	RL-7128
Thorium-232	U	-0.0166	pCi/L	0.08	0.2	RL-7128
Thorium-234	U	11.5	pCi/L	22.9	50	RL-7124
Uranium	U	0.106	pCi/L	0.25	0.36	RL-7128
Uranium-234	U	0.085	pCi/L	0.05	0.17	RL-7128
Uranium-235			wt %			ST7106
Uranium-235	U	0.00379	pCi/L	0.02	0.09	RL-7128
Uranium-238	U	0.0168	pCi/L	0.03	0.09	RL-7128
<b>VOA</b>						
1,1,1-Trichloroethane	U	1	mg/L		1	SW846-8260
1,1,2-Trichloroethane	U	1	mg/L		1	SW846-8260
1,1-Dichloroethane	U	1	mg/L		1	SW846-8260
1,1-Dichloroethene	U	1	mg/L		1	SW846-8260
1,2-Dichloroethane	U	1	mg/L		1	SW846-8260
Benzene	U	1	mg/L		1	SW846-8260
Bromodichloromethane	U	1	mg/L		1	SW846-8260
Carbon tetrachloride	U	1	mg/L		1	SW846-8260
Chloroform	U	1	mg/L		1	SW846-8260
cis-1,2-Dichloroethene	U	1	mg/L		1	SW846-8260
Ethylbenzene	U	1	mg/L		1	SW846-8260
Tetrachloroethene	U	1	mg/L		1	SW846-8260
Toluene	U	1	mg/L		1	SW846-8260
Total Xylene	U	3	mg/L		3	SW846-8260
trans-1,2-Dichloroethene	U	1	mg/L		1	SW846-8260
Trichloroethene	D	14	mg/L		0.2	SW846-8260
Vinyl chloride	U	0.4	mg/L		0.4	SW846-8260



# Paducah-OREIS Data Report

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12/18/2007

**MW340**

**20228**

**MW340SA3-05**

Collected: 6/23/2005

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Uranium	U	0.005	mg/L		0.005	ST7106
Uranium	BU	0.001	mg/L		0.001	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		30	Inches/Hg			
<b>PHYSC</b>						
Conductivity		460	umho/cm			
Depth to Water		46.08	ft			
Dissolved Oxygen		3.77	mg/L			
pH		6.2	Std Unit			
Redox		237	mV			
Temperature		70.9	deg F			
Turbidity		104	NTU			
<b>RADS</b>						
Alpha activity		11.3	pCi/L	1.95	1.22	SW846-9310
Beta activity		497	pCi/L	16.7	4.42	SW846-9310
Dissolved Alpha	U	3.52	pCi/L	0.85	5.53	SW846-9310
Dissolved Beta		348	pCi/L	19	9.06	SW846-9310
Potassium-40		47.9	pCi/L	36.5	39.4	RL-7124
Suspended Alpha	U	1.29	pCi/L	1.15	4.14	SW846-9310
Suspended Beta		9.02	pCi/L	2.02	8.43	SW846-9310
Technetium-99		615	pCi/L	27.1	18.6	RL-7100
Thorium-228	UT	-0.0529	pCi/L	0.12	0.27	RL-7128
Thorium-230	UT	0.293	pCi/L	0.19	1.03	RL-7128
Thorium-232	UT	-0.0614	pCi/L	0.14	0.35	RL-7128
Thorium-234	U	11.2	pCi/L	22.5	49.6	RL-7124
Uranium	U	0.102	pCi/L	0.23	0.36	RL-7128
Uranium-234	U	0.0571	pCi/L	0.05	0.18	RL-7128
Uranium-235			wt %			ST7106
Uranium-235	U	0.00352	pCi/L	0.02	0.09	RL-7128
Uranium-238	U	0.0414	pCi/L	0.04	0.09	RL-7128
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.2	mg/L		0.2	SW846-8260
1,1,2-Trichloroethane	U	0.2	mg/L		0.2	SW846-8260
1,1-Dichloroethane	U	0.2	mg/L		0.2	SW846-8260
1,1-Dichloroethene	U	0.2	mg/L		0.2	SW846-8260
1,2-Dichloroethane	U	0.2	mg/L		0.2	SW846-8260
Benzene	U	0.2	mg/L		0.2	SW846-8260
Bromodichloromethane	U	0.2	mg/L		0.2	SW846-8260
Carbon tetrachloride	U	0.2	mg/L		0.2	SW846-8260
Chloroform	U	0.2	mg/L		0.2	SW846-8260
cis-1,2-Dichloroethene	U	0.2	mg/L		0.2	SW846-8260
Ethylbenzene	U	0.2	mg/L		0.2	SW846-8260
Tetrachloroethene	U	0.2	mg/L		0.2	SW846-8260
Toluene	U	0.2	mg/L		0.2	SW846-8260
Total Xylene	U	0.6	mg/L		0.6	SW846-8260
trans-1,2-Dichloroethene	U	0.2	mg/L		0.2	SW846-8260
Trichloroethene	D	2.4	mg/L		0.04	SW846-8260
Vinyl chloride	U	0.08	mg/L		0.08	SW846-8260

# Paducah-OREIS Data Report

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12/18/2007

**MW63**

**20228**

**MW63SA3-05**

Collected: 6/14/2005

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Uranium	U	0.005	mg/L		0.005	ST7106
Uranium	U	0.001	mg/L		0.001	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.74	Inches/Hg			
<b>PHYSC</b>						
Conductivity		234	umho/cm			
Depth to Water		43.9	ft			
Dissolved Oxygen		2.15	mg/L			
pH		6.12	Std Unit			
Redox		242	mV			
Temperature		64.6	deg F			
Turbidity		47.5	NTU			
<b>RADS</b>						
Alpha activity	U	-1.02	pCi/L	0.72	5.65	SW846-9310
Beta activity		8.1	pCi/L	1.53	4.66	SW846-9310
Dissolved Alpha	U	2.12	pCi/L	1.41	7.89	SW846-9310
Dissolved Beta	U	3.58	pCi/L	0.93	8.68	SW846-9310
Potassium-40	U	-9.67	pCi/L	19.3	37.1	RL-7124
Suspended Alpha	U	-1.98	pCi/L	3.97	6.87	SW846-9310
Suspended Beta	U	-1.48	pCi/L	0.47	8.37	SW846-9310
Technetium-99	U	7.82	pCi/L	12	17.5	RL-7100
Thorium-228	U	-0.0484	pCi/L	0.05	0.67	RL-7128
Thorium-230	U	0.0469	pCi/L	0.12	1.37	RL-7128
Thorium-232	U	-0.0296	pCi/L	0.04	0.26	RL-7128
Thorium-234	U	-14.2	pCi/L	28.3	49.9	RL-7124
Uranium	U	-0.0196	pCi/L	0.05	0.79	RL-7128
Uranium-234	U	0.00601	pCi/L	0.04	0.4	RL-7128
Uranium-235			wt %			ST7106
Uranium-235	U	0.00488	pCi/L	0.02	0.1	RL-7128
Uranium-238	U	-0.0305	pCi/L	0.02	0.27	RL-7128
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene		0.014	mg/L		0.001	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260

# Paducah-OREIS Data Report

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**MW63**

**20228**

**MW63DSA3-05**

Collected: 6/14/2005

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Uranium	U	0.005	mg/L		0.005	ST7106
Uranium	BU	0.001	mg/L		0.001	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.74	Inches/Hg			
<b>PHYSC</b>						
Conductivity		234	umho/cm			
Depth to Water		43.9	ft			
Dissolved Oxygen		2.15	mg/L			
pH		6.12	Std Unit			
Redox		242	mV			
Temperature		64.6	deg F			
Turbidity		47.5	NTU			
<b>RADS</b>						
Alpha activity	U	-0.715	pCi/L	0.47	5.73	SW846-9310
Beta activity		8.39	pCi/L	1.57	4.67	SW846-9310
Dissolved Alpha	U	-0.0154	pCi/L	0.01	7.83	SW846-9310
Dissolved Beta	U	7.65	pCi/L	1.77	8.67	SW846-9310
Potassium-40	U	-3.16	pCi/L	6.32	50	RL-7124
Suspended Alpha	U	0.29	pCi/L	0.23	6.87	SW846-9310
Suspended Beta	U	3.2	pCi/L	0.84	8.37	SW846-9310
Technetium-99	U	9.14	pCi/L	12	17.5	RL-7100
Thorium-228	U	-0.0219	pCi/L	0.04	0.66	RL-7128
Thorium-230	U	-0.001	pCi/L	0.06	1.35	RL-7128
Thorium-232	U	0.00034	pCi/L	0.02	0.25	RL-7128
Thorium-234	U	27	pCi/L	54.1	35.9	RL-7124
Uranium	U	-0.0726	pCi/L	0.23	0.78	RL-7128
Uranium-234	U	-0.0595	pCi/L	0.05	0.39	RL-7128
Uranium-235	U	0.0135	pCi/L	0.02	0.11	RL-7128
Uranium-235			wt %			ST7106
Uranium-238	U	-0.0266	pCi/L	0.03	0.28	RL-7128
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene		0.014	mg/L		0.001	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260

# Paducah-OREIS Data Report

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**MW65**

**20228**

**MW65SA3-05**

Collected: 6/14/2005

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Uranium	BU	0.001	mg/L		0.001	SW846-6020
Uranium	U	0.005	mg/L		0.005	ST7106
<b>METEO</b>						
Barometric Pressure Reading		29.74	Inches/Hg			
<b>PHYSC</b>						
Conductivity		209	umho/cm			
Depth to Water		43.92	ft			
Dissolved Oxygen		3.83	mg/L			
pH		6.1	Std Unit			
Redox		303	mV			
Temperature		65.7	deg F			
Turbidity		35.1	NTU			
<b>RADS</b>						
Alpha activity	U	1.16	pCi/L	0.56	5.34	SW846-9310
Beta activity		17.3	pCi/L	2.55	4.6	SW846-9310
Dissolved Alpha	U	6.2	pCi/L	2.92	7.65	SW846-9310
Dissolved Beta		17.5	pCi/L	3.28	8.62	SW846-9310
Potassium-40	U	-0.807	pCi/L	1.61	41.1	RL-7124
Suspended Alpha		13	pCi/L	4.6	6.83	SW846-9310
Suspended Beta		14.3	pCi/L	2.81	8.35	SW846-9310
Technetium-99		26.2	pCi/L	12.6	17.5	RL-7100
Thorium-228	U	0.0198	pCi/L	0.04	0.66	RL-7128
Thorium-230	U	0.00033	pCi/L	0.04	1.34	RL-7128
Thorium-232	U	-0.0063	pCi/L	0.01	0.24	RL-7128
Thorium-234	U	54.8	pCi/L	110	50	RL-7124
Uranium	U	0.00935	pCi/L	0.01	0.78	RL-7128
Uranium-234	U	0.00536	pCi/L	0.04	0.38	RL-7128
Uranium-235			wt %			ST7106
Uranium-235	U	0.019	pCi/L	0.02	0.11	RL-7128
Uranium-238	U	-0.0151	pCi/L	0.02	0.28	RL-7128
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene		0.077	mg/L		0.001	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260

# Paducah-OREIS Data Report

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**MW226**

**20274**

**MW226C4042-05**

Collected: 7/27/2005

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Arsenic	U	0.001	mg/L		0.001	SW846-6020
Arsenic, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Cadmium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Chromium		0.362	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Lead	U	0.005	mg/L		0.005	SW846-6020
Lead, Dissolved	U	0.005	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Mercury, Dissolved	U	0.0002	mg/L		0.0002	SW846-7470
Selenium	U	0.005	mg/L		0.005	SW846-6020
Selenium, Dissolved	U	0.005	mg/L		0.005	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.88	Inches/Hg			
<b>PHYSC</b>						
Conductivity		358	umho/cm			
Depth to Water		50.45	ft			
Dissolved Oxygen		1.29	mg/L			
pH		5.92	Std Unit			
Redox		189	mV			
Temperature		67	deg F			
Turbidity		64.7	NTU			
<b>RADS</b>						
Technetium-99		118	pCi/L	16.8	18.6	RL-7100
Uranium-234	U	0.0346	pCi/L	0.05	0.24	RL-7128
Uranium-235	U	0.00589	pCi/L	0.02	0.08	RL-7128
Uranium-238	U	0.00252	pCi/L	0.04	0.27	RL-7128
<b>VOA</b>						
Trichloroethene	D	0.42	mg/L		0.005	SW846-8260

# Paducah-OREIS Data Report

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**MW227**

**20274**

**MW227C4042-05**

Collected: 7/27/2005

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Arsenic	U	0.001	mg/L		0.001	SW846-6020
Arsenic, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Cadmium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Chromium		0.949	mg/L		0.2	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Lead	U	0.005	mg/L		0.005	SW846-6020
Lead, Dissolved	U	0.005	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Mercury, Dissolved	U	0.0002	mg/L		0.0002	SW846-7470
Selenium	U	0.005	mg/L		0.005	SW846-6020
Selenium, Dissolved	U	0.005	mg/L		0.005	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.88	Inches/Hg			
<b>PHYSC</b>						
Conductivity		268	umho/cm			
Depth to Water		50.6	ft			
Dissolved Oxygen		6.96	mg/L			
pH		6.13	Std Unit			
Redox		146	mV			
Temperature		65.9	deg F			
Turbidity		130	NTU			
<b>RADS</b>						
Technetium-99		18.9	pCi/L	13.9	18.6	RL-7100
Uranium-234	U	0.0822	pCi/L	0.05	0.25	RL-7128
Uranium-235	U	0.0131	pCi/L	0.02	0.08	RL-7128
Uranium-238	U	0.0649	pCi/L	0.04	0.27	RL-7128
<b>VOA</b>						
Trichloroethene		0.045	mg/L		0.001	SW846-8260

# Paducah-OREIS Data Report

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**MW84**

**20274**

**MW84C4042-05**

Collected: 7/27/2005

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Arsenic	U	0.001	mg/L		0.001	SW846-6020
Arsenic, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Cadmium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Chromium	U	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Lead	U	0.005	mg/L		0.005	SW846-6020
Lead, Dissolved	U	0.005	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Mercury, Dissolved	U	0.0002	mg/L		0.0002	SW846-7470
Selenium	U	0.005	mg/L		0.005	SW846-6020
Selenium, Dissolved	U	0.005	mg/L		0.005	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.91	Inches/Hg			
<b>PHYSC</b>						
Conductivity		227	umho/cm			
Depth to Water		53.03	ft			
Dissolved Oxygen		1.76	mg/L			
pH		6.1	Std Unit			
Redox		193	mV			
Temperature		64.8	deg F			
Turbidity		6.7	NTU			
<b>RADS</b>						
Technetium-99	U	16.2	pCi/L	13.9	18.6	RL-7100
Uranium-234	U	0.0557	pCi/L	0.05	0.23	RL-7128
Uranium-235	U	0.0127	pCi/L	0.02	0.09	RL-7128
Uranium-238	U	0.0637	pCi/L	0.05	0.27	RL-7128
<b>VOA</b>						
Trichloroethene	D	0.21	mg/L		0.005	SW846-8260

# Paducah-OREIS Data Report

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**MW85**

**20274**

**MW85C4042-05**

Collected: 7/27/2005

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Arsenic		0.0108	mg/L		0.001	SW846-6020
Arsenic, Dissolved		0.011	mg/L		0.001	SW846-6020
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Cadmium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Chromium	U	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Lead	U	0.005	mg/L		0.005	SW846-6020
Lead, Dissolved	U	0.005	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Mercury, Dissolved	U	0.0002	mg/L		0.0002	SW846-7470
Selenium	U	0.005	mg/L		0.005	SW846-6020
Selenium, Dissolved	U	0.005	mg/L		0.005	SW846-6020
Uranium		0.00181	mg/L		0.001	SW846-6020
Uranium, Dissolved		0.00167	mg/L		0.001	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.91	Inches/Hg			
<b>PHYSC</b>						
Conductivity		410	umho/cm			
Depth to Water		12.33	ft			
Dissolved Oxygen		3.08	mg/L			
pH		6.5	Std Unit			
Redox		2.3	mV			
Temperature		64.1	deg F			
Turbidity		7.1	NTU			
<b>RADS</b>						
Technetium-99		185	pCi/L	18.5	18.6	RL-7100
Uranium-234	U	0.265	pCi/L	0.09	0.31	RL-7128
Uranium-235	U	-0.0018	pCi/L	0.04	0.09	RL-7128
Uranium-238		0.804	pCi/L	0.14	0.28	RL-7128
<b>VOA</b>						
Trichloroethene	U	0.001	mg/L		0.001	SW846-8260



# Paducah-OREIS Data Report

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**MW86**

**20274**

**MW86C4042-05**

Collected: 7/27/2005

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Arsenic		0.00113	mg/L		0.001	SW846-6020
Arsenic, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Cadmium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Chromium	U	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Lead	U	0.005	mg/L		0.005	SW846-6020
Lead, Dissolved	U	0.005	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Mercury, Dissolved	U	0.0002	mg/L		0.0002	SW846-7470
Selenium	U	0.005	mg/L		0.005	SW846-6020
Selenium, Dissolved	U	0.005	mg/L		0.005	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.91	Inches/Hg			
<b>PHYSC</b>						
Conductivity		228	umho/cm			
Depth to Water		48.08	ft			
Dissolved Oxygen		2.54	mg/L			
pH		6.1	Std Unit			
Redox		210	mV			
Temperature		63.1	deg F			
Turbidity		76	NTU			
<b>RADS</b>						
Technetium-99	U	3.71	pCi/L	13.6	18.6	RL-7100
Uranium-234	U	0.144	pCi/L	0.07	0.26	RL-7128
Uranium-235	U	-0.0021	pCi/L	0.03	0.08	RL-7128
Uranium-238	U	0.166	pCi/L	0.07	0.28	RL-7128
<b>VOA</b>						
Trichloroethene	D	0.18	mg/L		0.002	SW846-8260

# Paducah-OREIS Data Report

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**MW87**

**20274**

**MW87C4042-05**

Collected: 7/28/2005

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Arsenic	U	0.001	mg/L		0.001	SW846-6020
Arsenic, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Cadmium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Chromium	U	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Lead	U	0.005	mg/L		0.005	SW846-6020
Lead, Dissolved	U	0.005	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Mercury, Dissolved	U	0.0002	mg/L		0.0002	SW846-7470
Selenium	U	0.005	mg/L		0.005	SW846-6020
Selenium, Dissolved	U	0.005	mg/L		0.005	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		30	Inches/Hg			
<b>PHYSC</b>						
Conductivity		267	umho/cm			
Depth to Water		48.1	ft			
Dissolved Oxygen		2.57	mg/L			
pH		6.2	Std Unit			
Redox		188	mV			
Temperature		64.8	deg F			
Turbidity		6	NTU			
<b>RADS</b>						
Technetium-99	U	2.43	pCi/L	13.4	18.6	RL-7100
Uranium-234	U	0.0719	pCi/L	0.07	0.29	RL-7128
Uranium-235	U	0.023	pCi/L	0.02	0.09	RL-7128
Uranium-238	U	0.0782	pCi/L	0.05	0.27	RL-7128
<b>VOA</b>						
Trichloroethene		0.03	mg/L		0.001	SW846-8260

# Paducah-OREIS Data Report

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**MW88**

**20274**

**MW88C4042-05**

Collected: 7/28/2005

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Arsenic		0.00395	mg/L		0.001	SW846-6020
Arsenic, Dissolved		0.00382	mg/L		0.001	SW846-6020
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Cadmium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Chromium	U	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Lead	U	0.005	mg/L		0.005	SW846-6020
Lead, Dissolved	U	0.005	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Mercury, Dissolved	U	0.0002	mg/L		0.0002	SW846-7470
Selenium	U	0.005	mg/L		0.005	SW846-6020
Selenium, Dissolved	U	0.005	mg/L		0.005	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		30	Inches/Hg			
<b>PHYSC</b>						
Conductivity		582	umho/cm			
Depth to Water		13.09	ft			
Dissolved Oxygen		1.1	mg/L			
pH		5.8	Std Unit			
Redox		229	mV			
Temperature		64.8	deg F			
Turbidity		18	NTU			
<b>RADS</b>						
Technetium-99		40.4	pCi/L	14.6	18.6	RL-7100
Uranium-234	U	0.0106	pCi/L	0.05	0.24	RL-7128
Uranium-235	U	0.0242	pCi/L	0.03	0.08	RL-7128
Uranium-238	U	0.0676	pCi/L	0.05	0.28	RL-7128
<b>VOA</b>						
Trichloroethene		0.0032	mg/L		0.001	SW846-8260

# Paducah-OREIS Data Report

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12/18/2007

**MW88**

**20274**

**MW88DC4042-05**

Collected: 7/28/2005

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Arsenic		0.00405	mg/L		0.001	SW846-6020
Arsenic, Dissolved		0.00378	mg/L		0.001	SW846-6020
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Cadmium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Chromium	U	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Lead	U	0.005	mg/L		0.005	SW846-6020
Lead, Dissolved	U	0.005	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Mercury, Dissolved	U	0.0002	mg/L		0.0002	SW846-7470
Selenium	U	0.005	mg/L		0.005	SW846-6020
Selenium, Dissolved	U	0.005	mg/L		0.005	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		30	Inches/Hg			
<b>PHYSC</b>						
Conductivity		582	umho/cm			
Depth to Water		13.09	ft			
Dissolved Oxygen		1.1	mg/L			
pH		5.8	Std Unit			
Redox		229	mV			
Temperature		64.8	deg F			
Turbidity		18	NTU			
<b>RADS</b>						
Technetium-99		40.1	pCi/L	14.6	18.6	RL-7100
Uranium-234	U	0.107	pCi/L	0.07	0.26	RL-7128
Uranium-235	U	0.0156	pCi/L	0.02	0.08	RL-7128
Uranium-238	U	0.0338	pCi/L	0.05	0.28	RL-7128
<b>VOA</b>						
Trichloroethene		0.0041	mg/L		0.001	SW846-8260

# Paducah-OREIS Data Report

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**MW89**

**20274**

**MW89C4042-05**

Collected: 7/28/2005

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Arsenic	U	0.001	mg/L		0.001	SW846-6020
Arsenic, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Cadmium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Chromium	U	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Lead	U	0.005	mg/L		0.005	SW846-6020
Lead, Dissolved	U	0.005	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Mercury, Dissolved	U	0.0002	mg/L		0.0002	SW846-7470
Selenium	U	0.005	mg/L		0.005	SW846-6020
Selenium, Dissolved	U	0.005	mg/L		0.005	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		30	Inches/Hg			
<b>PHYSC</b>						
Conductivity		185	umho/cm			
Depth to Water		48.65	ft			
Dissolved Oxygen		2.16	mg/L			
pH		6	Std Unit			
Redox		208	mV			
Temperature		66.3	deg F			
Turbidity		23.1	NTU			
<b>RADS</b>						
Technetium-99	U	13.1	pCi/L	13.8	18.6	RL-7100
Uranium-234	U	0.00366	pCi/L	0.03	0.25	RL-7128
Uranium-235	U	0.0164	pCi/L	0.03	0.08	RL-7128
Uranium-238	U	-0.0035	pCi/L	0.03	0.28	RL-7128
<b>VOA</b>						
Trichloroethene		0.0026	mg/L		0.001	SW846-8260

# Paducah-OREIS Data Report

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**MW90A**

**20274**

**MW90AC4042-05**

Collected: 7/26/2005

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Arsenic	U	0.001	mg/L		0.001	SW846-6020
Arsenic, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Cadmium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Chromium	U	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Lead	U	0.005	mg/L		0.005	SW846-6020
Lead, Dissolved	U	0.005	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Mercury, Dissolved	U	0.0002	mg/L		0.0002	SW846-7470
Selenium	U	0.005	mg/L		0.005	SW846-6020
Selenium, Dissolved	U	0.005	mg/L		0.005	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.85	Inches/Hg			
<b>PHYSC</b>						
Conductivity		304	umho/cm			
Depth to Water		46.27	ft			
Dissolved Oxygen		1.35	mg/L			
pH		6.3	Std Unit			
Redox		95	mV			
Temperature		71.8	deg F			
Turbidity		4.1	NTU			
<b>RADS</b>						
Technetium-99	U	5.92	pCi/L	13.6	18.6	RL-7100
Uranium-234	U	-0.0383	pCi/L	0.05	0.25	RL-7128
Uranium-235	U	0.00567	pCi/L	0.01	0.08	RL-7128
Uranium-238	U	-0.0112	pCi/L	0.03	0.27	RL-7128
<b>VOA</b>						
Trichloroethene	U	0.001	mg/L		0.001	SW846-8260

# Paducah-OREIS Data Report

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**MW91**

**20274**

**MW91C4042-05**

Collected: 7/28/2005

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Arsenic		0.0019	mg/L		0.001	SW846-6020
Arsenic, Dissolved		0.00135	mg/L		0.001	SW846-6020
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Cadmium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Chromium		0.0882	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Lead	U	0.005	mg/L		0.005	SW846-6020
Lead, Dissolved	U	0.005	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Mercury, Dissolved	U	0.0002	mg/L		0.0002	SW846-7470
Selenium		0.00553	mg/L		0.005	SW846-6020
Selenium, Dissolved	U	0.005	mg/L		0.005	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		30	Inches/Hg			
<b>PHYSC</b>						
Conductivity		468	umho/cm			
Depth to Water		11.6	ft			
Dissolved Oxygen		2.98	mg/L			
pH		6.05	Std Unit			
Redox		247	mV			
Temperature		64.8	deg F			
Turbidity		54.4	NTU			
<b>RADS</b>						
Technetium-99		619	pCi/L	27.1	18.6	RL-7100
Uranium-234	U	0.0533	pCi/L	0.06	0.25	RL-7128
Uranium-235	U	0.0299	pCi/L	0.03	0.1	RL-7128
Uranium-238	U	0.0857	pCi/L	0.05	0.28	RL-7128
<b>VOA</b>						
Trichloroethene		0.074	mg/L		0.001	SW846-8260

# Paducah-OREIS Data Report

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**MW92**

**20274**

**MW92C4042-05**

Collected: 7/28/2005

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Arsenic	U	0.001	mg/L		0.001	SW846-6020
Arsenic, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Cadmium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Chromium	U	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Lead	U	0.005	mg/L		0.005	SW846-6020
Lead, Dissolved	U	0.005	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Mercury, Dissolved	U	0.0002	mg/L		0.0002	SW846-7470
Selenium	U	0.005	mg/L		0.005	SW846-6020
Selenium, Dissolved	U	0.005	mg/L		0.005	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		30.05	Inches/Hg			
<b>PHYSC</b>						
Conductivity		146	umho/cm			
Depth to Water		41.6	ft			
Dissolved Oxygen		1.66	mg/L			
pH		5.83	Std Unit			
Redox		258	mV			
Temperature		63.3	deg F			
Turbidity		6.2	NTU			
<b>RADS</b>						
Technetium-99	U	8.24	pCi/L	13.7	18.6	RL-7100
Uranium-234	U	0.0497	pCi/L	0.05	0.24	RL-7128
Uranium-235	U	-0.0024	pCi/L	0.02	0.08	RL-7128
Uranium-238	U	0.0229	pCi/L	0.04	0.27	RL-7128
<b>VOA</b>						
Trichloroethene	U	0.001	mg/L		0.001	SW846-8260



# Paducah-OREIS Data Report

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**MW93**

**20274**

**MW93C4042-05**

Collected: 7/28/2005

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Arsenic	U	0.001	mg/L		0.001	SW846-6020
Arsenic, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Cadmium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Chromium	U	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Lead	U	0.005	mg/L		0.005	SW846-6020
Lead, Dissolved	U	0.005	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Mercury, Dissolved	U	0.0002	mg/L		0.0002	SW846-7470
Selenium	U	0.005	mg/L		0.005	SW846-6020
Selenium, Dissolved	U	0.005	mg/L		0.005	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		30	Inches/Hg			
<b>PHYSC</b>						
Conductivity		240	umho/cm			
Depth to Water		51.7	ft			
Dissolved Oxygen		1.54	mg/L			
pH		6.1	Std Unit			
Redox		266	mV			
Temperature		64.5	deg F			
Turbidity		28.7	NTU			
<b>RADS</b>						
Technetium-99	U	4.15	pCi/L	13.5	18.6	RL-7100
Uranium-234	U	0.0305	pCi/L	0.05	0.27	RL-7128
Uranium-235	U	-0.0119	pCi/L	0.03	0.09	RL-7128
Uranium-238	U	0.0209	pCi/L	0.04	0.28	RL-7128
<b>VOA</b>						
Trichloroethene	D	0.3	mg/L		0.005	SW846-8260

# Paducah-OREIS Data Report

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**MW94**

**20274**

**MW94C4042-05**

Collected: 7/27/2005

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Arsenic		0.00262	mg/L		0.001	SW846-6020
Arsenic, Dissolved		0.00147	mg/L		0.001	SW846-6020
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Cadmium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Chromium	U	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Lead	U	0.005	mg/L		0.005	SW846-6020
Lead, Dissolved	U	0.005	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Mercury, Dissolved	U	0.0002	mg/L		0.0002	SW846-7470
Selenium	U	0.005	mg/L		0.005	SW846-6020
Selenium, Dissolved	U	0.005	mg/L		0.005	SW846-6020
Uranium		0.00397	mg/L		0.001	SW846-6020
Uranium, Dissolved		0.00373	mg/L		0.001	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.88	Inches/Hg			
<b>PHYSC</b>						
Conductivity		1112	umho/cm			
Depth to Water		14.86	ft			
Dissolved Oxygen		1.18	mg/L			
pH		6.46	Std Unit			
Redox		198	mV			
Temperature		64.2	deg F			
Turbidity		134	NTU			
<b>RADS</b>						
Technetium-99		376	pCi/L	22.7	18.6	RL-7100
Uranium-234		1.23	pCi/L	0.19	0.29	RL-7128
Uranium-235	U	0.0747	pCi/L	0.05	0.09	RL-7128
Uranium-238		1.23	pCi/L	0.18	0.28	RL-7128
<b>VOA</b>						
Trichloroethene		0.0055	mg/L		0.001	SW846-8260

# Paducah-OREIS Data Report

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**MW95A**

**20274**

**MW95AC4042-05**

Collected: 7/26/2005

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Arsenic	U	0.001	mg/L		0.001	SW846-6020
Arsenic, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Cadmium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Chromium	U	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Lead	U	0.005	mg/L		0.005	SW846-6020
Lead, Dissolved	U	0.005	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Mercury, Dissolved	U	0.0002	mg/L		0.0002	SW846-7470
Selenium	U	0.005	mg/L		0.005	SW846-6020
Selenium, Dissolved	U	0.005	mg/L		0.005	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.85	Inches/Hg			
<b>PHYSC</b>						
Conductivity		237	umho/cm			
Depth to Water		48.7	ft			
Dissolved Oxygen		0.95	mg/L			
pH		6.1	Std Unit			
Redox		183	mV			
Temperature		67.7	deg F			
Turbidity		9.9	NTU			
<b>RADS</b>						
Technetium-99	U	6.58	pCi/L	13.7	18.6	RL-7100
Uranium-234	U	0.0146	pCi/L	0.03	0.25	RL-7128
Uranium-235	U	-0.0191	pCi/L	0.02	0.08	RL-7128
Uranium-238	U	0.0567	pCi/L	0.04	0.27	RL-7128
<b>VOA</b>						
Trichloroethene	D	0.2	mg/L		0.002	SW846-8260

# Paducah-OREIS Data Report

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12/18/2007

**MW90A**

**20292**

**070505**

Collected: 7/26/2005

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	B	0.0335	mg/L		0.2	SW846-6010B
Antimony	U	0.01	mg/L		0.01	SW846-6010B
Arsenic	U	0.01	mg/L		0.01	SW846-6010B
Barium	B	0.179	mg/L		0.2	SW846-6010B
Beryllium	U	0.005	mg/L		0.005	SW846-6010B
Boron	B	0.0195	mg/L		0.2	SW846-6010B
Cadmium	U	0.005	mg/L		0.005	SW846-6010B
Calcium		30.8	mg/L		5	SW846-6010B
Chromium	U	0.01	mg/L		0.01	SW846-6010B
Cobalt	U	0.05	mg/L		0.05	SW846-6010B
Copper	U	0.025	mg/L		0.025	SW846-6010B
Iron		2.46	mg/L		0.1	SW846-6010B
Lead	U	0.003	mg/L		0.003	SW846-6010B
Magnesium		9.01	mg/L		5	SW846-6010B
Manganese		1.06	mg/L		0.015	SW846-6010B
Mercury	B	4.6E-05	mg/L		0.0002	SW846-7470A
Molybdenum	U	0.04	mg/L		0.04	SW846-6010B
Nickel	U	0.04	mg/L		0.04	SW846-6010B
Potassium	B	2.38	mg/L		5	SW846-6010B
Selenium	B	0.0019	mg/L		0.005	SW846-6010B
Silicon	N	13.5	mg/L		0.5	SW846-6010B
Silver	U	0.01	mg/L		0.01	SW846-6010B
Sodium		18.4	mg/L		5	SW846-6010B
Thallium	B	0.0028	mg/L		0.01	SW846-6010B
Uranium	U	0.5	mg/L		0.5	SW846-6010B
Vanadium	U	0.05	mg/L		0.05	SW846-6010B
Zinc	B	0.0038	mg/L		0.02	SW846-6010B
<b>METEO</b>						
Barometric Pressure Reading		29.85	Inches/Hg			
<b>PHYSC</b>						
Conductivity		304	umho/cm			
Depth to Water		46.27	ft			
Dissolved Oxygen		1.35	mg/L			
pH		6.3	Std Unit			
Redox		95	mV			
Temperature		71.8	deg F			
Turbidity		4.1	NTU			
<b>RADS</b>						
Technetium-99	U	-0.29	pCi/L	0.99	1.7	DOE TC-02-RC MO
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.001	mg/L		0.001	SW846-8260B
1,1,1-Trichloroethane	U	0.001	mg/L		0.001	SW846-8260B
1,1,2,2-Tetrachloroethane	U	0.001	mg/L		0.001	SW846-8260B
1,1,2-Trichloroethane	U	0.001	mg/L		0.001	SW846-8260B
1,1-Dichloroethane	U	0.001	mg/L		0.001	SW846-8260B
1,1-Dichloroethene	U	0.001	mg/L		0.001	SW846-8260B
1,2,3-Trichloropropane	U	0.001	mg/L		0.001	SW846-8260B
1,2-Dibromo-3-chloropropane	U	0.001	mg/L		0.001	SW846-8260B
1,2-Dibromoethane	U	0.001	mg/L		0.001	SW846-8260B

## MW90A

## 20292

1,2-Dichloroethane	U	0.001	mg/L	0.001	SW846-8260B
1,2-Dichloropropane	U	0.001	mg/L	0.001	SW846-8260B
1,4-Dioxane	U	0.2	mg/L	0.2	SW846-8260B
2-Butanone	U	0.005	mg/L	0.005	SW846-8260B
2-Chloro-1,3-butadiene	U	0.001	mg/L	0.001	SW846-8260B
2-Hexanone	U	0.005	mg/L	0.005	SW846-8260B
Acetone	U	0.01	mg/L	0.01	SW846-8260B
Acetonitrile	U	0.02	mg/L	0.02	SW846-8260B
Acrolein	U	0.02	mg/L	0.02	SW846-8260B
Acrylonitrile	U	0.02	mg/L	0.02	SW846-8260B
Allyl chloride	U	0.002	mg/L	0.002	SW846-8260B
Benzene	U	0.001	mg/L	0.001	SW846-8260B
Bromodichloromethane	U	0.001	mg/L	0.001	SW846-8260B
Bromoform	U	0.001	mg/L	0.001	SW846-8260B
Bromomethane	U	0.002	mg/L	0.002	SW846-8260B
Carbon disulfide	U	0.001	mg/L	0.001	SW846-8260B
Carbon tetrachloride	U	0.001	mg/L	0.001	SW846-8260B
Chlorobenzene	U	0.001	mg/L	0.001	SW846-8260B
Chloroethane	U	0.002	mg/L	0.002	SW846-8260B
Chloroform	JB	0.00017	mg/L	0.001	SW846-8260B
Chloromethane	U	0.002	mg/L	0.002	SW846-8260B
cis-1,2-Dichloroethene	U	0.0005	mg/L	0.0005	SW846-8260B
cis-1,3-Dichloropropene	U	0.001	mg/L	0.001	SW846-8260B
Dibromochloromethane	U	0.001	mg/L	0.001	SW846-8260B
Dibromomethane	U	0.001	mg/L	0.001	SW846-8260B
Dichlorodifluoromethane	U	0.002	mg/L	0.002	SW846-8260B
Ethyl cyanide	U	0.004	mg/L	0.004	SW846-8260B
Ethyl methacrylate	U	0.001	mg/L	0.001	SW846-8260B
Ethylbenzene	U	0.001	mg/L	0.001	SW846-8260B
Iodomethane	U	0.001	mg/L	0.001	SW846-8260B
Isobutanol	U	0.05	mg/L	0.05	SW846-8260B
Methacrylonitrile	U	0.001	mg/L	0.001	SW846-8260B
Methyl methacrylate	U	0.001	mg/L	0.001	SW846-8260B
Methylene chloride	U	0.001	mg/L	0.001	SW846-8260B
Pentachloroethane	U	0.001	mg/L	0.001	SW846-8260B
Styrene	U	0.001	mg/L	0.001	SW846-8260B
Tetrachloroethene	U	0.001	mg/L	0.001	SW846-8260B
Toluene	U	0.001	mg/L	0.001	SW846-8260B
Total Xylene	U	0.001	mg/L	0.001	SW846-8260B
trans-1,2-Dichloroethene	U	0.0005	mg/L	0.0005	SW846-8260B
trans-1,3-Dichloropropene	U	0.001	mg/L	0.001	SW846-8260B
Trans-1,4-Dichloro-2-butene	U	0.001	mg/L	0.001	SW846-8260B
Trichloroethene	J	0.00038	mg/L	0.001	SW846-8260B
Trichlorofluoromethane	U	0.002	mg/L	0.002	SW846-8260B
Vinyl acetate	U	0.002	mg/L	0.002	SW846-8260B
Vinyl chloride	U	0.002	mg/L	0.002	SW846-8260B

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**MW95A**

**20292**

**070506**

Collected: 7/26/2005

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	B	0.0264	mg/L		0.2	SW846-6010B
Antimony	U	0.01	mg/L		0.01	SW846-6010B
Arsenic	U	0.01	mg/L		0.01	SW846-6010B
Barium	B	0.132	mg/L		0.2	SW846-6010B
Beryllium	U	0.005	mg/L		0.005	SW846-6010B
Boron	B	0.016	mg/L		0.2	SW846-6010B
Cadmium	U	0.005	mg/L		0.005	SW846-6010B
Calcium		22.4	mg/L		5	SW846-6010B
Chromium	U	0.01	mg/L		0.01	SW846-6010B
Cobalt	U	0.05	mg/L		0.05	SW846-6010B
Copper	U	0.025	mg/L		0.025	SW846-6010B
Iron	B	0.0247	mg/L		0.1	SW846-6010B
Lead	U	0.003	mg/L		0.003	SW846-6010B
Magnesium		8.75	mg/L		5	SW846-6010B
Manganese		0.117	mg/L		0.015	SW846-6010B
Mercury	U	0.0002	mg/L		0.0002	SW846-7470A
Molybdenum	U	0.04	mg/L		0.04	SW846-6010B
Nickel	U	0.04	mg/L		0.04	SW846-6010B
Potassium	U	5	mg/L		5	SW846-6010B
Selenium	B	0.0021	mg/L		0.005	SW846-6010B
Silicon	N	7.29	mg/L		0.5	SW846-6010B
Silver	U	0.01	mg/L		0.01	SW846-6010B
Sodium		13.6	mg/L		5	SW846-6010B
Thallium	U	0.01	mg/L		0.01	SW846-6010B
Uranium	U	0.5	mg/L		0.5	SW846-6010B
Vanadium	U	0.05	mg/L		0.05	SW846-6010B
Zinc	B	0.0053	mg/L		0.02	SW846-6010B
<b>METEO</b>						
Barometric Pressure Reading		29.85	Inches/Hg			
<b>PHYSC</b>						
Conductivity		237	umho/cm			
Depth to Water		48.7	ft			
Dissolved Oxygen		0.95	mg/L			
pH		6.1	Std Unit			
Redox		183	mV			
Temperature		67.7	deg F			
Turbidity		9.9	NTU			
<b>RADS</b>						
Technetium-99		5.4	pCi/L	1.3	1.8	DOE TC-02-RC MO
<b>SVOA</b>						
1,2,4-Trichlorobenzene	U	0.001	mg/L		0.001	SW846-8260B
1,2-Dichlorobenzene	U	0.001	mg/L		0.001	SW846-8260B
1,3-Dichlorobenzene	U	0.001	mg/L		0.001	SW846-8260B
1,4-Dichlorobenzene	U	0.001	mg/L		0.001	SW846-8260B
Hexachlorobutadiene	U	0.001	mg/L		0.001	SW846-8260B
Naphthalene	U	0.001	mg/L		0.001	SW846-8260B
<b>VOA</b>						
(1,1-Dimethylethyl)benzene	U	0.001	mg/L		0.001	SW846-8260B
(1-Methylpropyl)benzene	U	0.001	mg/L		0.001	SW846-8260B

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1,1,1,2-Tetrachloroethane	U	0.001	mg/L	0.001	SW846-8260B
1,1,1-Trichloroethane	U	0.001	mg/L	0.001	SW846-8260B
1,1,2,2-Tetrachloroethane	U	0.001	mg/L	0.001	SW846-8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	U	0.001	mg/L	0.001	SW846-8260B
1,1,2-Trichloroethane	U	0.001	mg/L	0.001	SW846-8260B
1,1-Dichloroethane	U	0.001	mg/L	0.001	SW846-8260B
1,1-Dichloroethene		0.0017	mg/L	0.001	SW846-8260B
1,1-Dichloropropene	U	0.001	mg/L	0.001	SW846-8260B
1,2,3-Trichlorobenzene	U	0.001	mg/L	0.001	SW846-8260B
1,2,3-Trichloropropane	U	0.001	mg/L	0.001	SW846-8260B
1,2-Dibromo-3-chloropropane	U	0.001	mg/L	0.001	SW846-8260B
1,2-Dibromoethane	U	0.001	mg/L	0.001	SW846-8260B
1,2-Dichloroethane	U	0.001	mg/L	0.001	SW846-8260B
1,2-Dichloropropane	U	0.001	mg/L	0.001	SW846-8260B
1,2-Dimethylbenzene	U	0.001	mg/L	0.001	SW846-8260B
1,3,5-Trimethylbenzene	U	0.001	mg/L	0.001	SW846-8260B
1,3-Dichloropropane	U	0.001	mg/L	0.001	SW846-8260B
1,4-Dioxane	U	0.2	mg/L	0.2	SW846-8260B
1-Chloro-4-methylbenzene	U	0.001	mg/L	0.001	SW846-8260B
1-Methyl-4-(1-methylethyl)benzene	U	0.001	mg/L	0.001	SW846-8260B
2,2-Dichloropropane	U	0.001	mg/L	0.001	SW846-8260B
2-Butanone	U	0.005	mg/L	0.005	SW846-8260B
2-Chloro-1,3-butadiene	U	0.001	mg/L	0.001	SW846-8260B
2-Hexanone	U	0.005	mg/L	0.005	SW846-8260B
2-Methoxy-2-methylpropane	U	0.002	mg/L	0.002	SW846-8260B
4-Methyl-2-pentanone	U	0.005	mg/L	0.005	SW846-8260B
Acetone	U	0.01	mg/L	0.01	SW846-8260B
Acetonitrile	U	0.02	mg/L	0.02	SW846-8260B
Acrolein	U	0.02	mg/L	0.02	SW846-8260B
Acrylonitrile	U	0.02	mg/L	0.02	SW846-8260B
Allyl chloride	U	0.002	mg/L	0.002	SW846-8260B
Benzene	U	0.001	mg/L	0.001	SW846-8260B
Bromobenzene	U	0.001	mg/L	0.001	SW846-8260B
Bromochloromethane	U	0.001	mg/L	0.001	SW846-8260B
Bromodichloromethane	U	0.001	mg/L	0.001	SW846-8260B
Bromoform	U	0.001	mg/L	0.001	SW846-8260B
Bromomethane	U	0.002	mg/L	0.002	SW846-8260B
Butylbenzene	U	0.001	mg/L	0.001	SW846-8260B
Carbon disulfide	U	0.001	mg/L	0.001	SW846-8260B
Carbon tetrachloride	U	0.001	mg/L	0.001	SW846-8260B
Chlorobenzene	U	0.001	mg/L	0.001	SW846-8260B
Chloroethane	U	0.002	mg/L	0.002	SW846-8260B
Chloroform	JB	0.00038	mg/L	0.001	SW846-8260B
Chloromethane	U	0.002	mg/L	0.002	SW846-8260B
cis-1,2-Dichloroethene		0.0067	mg/L	0.0005	SW846-8260B
cis-1,3-Dichloropropene	U	0.001	mg/L	0.001	SW846-8260B
Cumene	U	0.001	mg/L	0.001	SW846-8260B
Cyclohexanone	U	0.02	mg/L	0.02	SW846-8260B
Dibromochloromethane	U	0.001	mg/L	0.001	SW846-8260B
Dibromomethane	U	0.001	mg/L	0.001	SW846-8260B
Dichlorodifluoromethane	U	0.002	mg/L	0.002	SW846-8260B
Ethyl cyanide	U	0.004	mg/L	0.004	SW846-8260B
Ethyl methacrylate	U	0.001	mg/L	0.001	SW846-8260B
Ethylbenzene	U	0.001	mg/L	0.001	SW846-8260B
Hexane	U	0.004	mg/L	0.004	SW846-8260B

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## MW95A

### 20292

Iodomethane	U	0.001	mg/L	0.001	SW846-8260B
Isobutanol	U	0.05	mg/L	0.05	SW846-8260B
m,p-Xylene	U	0.002	mg/L	0.002	SW846-8260B
Methacrylonitrile	U	0.001	mg/L	0.001	SW846-8260B
Methyl methacrylate	U	0.001	mg/L	0.001	SW846-8260B
Methylene chloride	U	0.001	mg/L	0.001	SW846-8260B
o-Chlorotoluene	U	0.001	mg/L	0.001	SW846-8260B
Pentachloroethane	U	0.001	mg/L	0.001	SW846-8260B
Propylbenzene	U	0.001	mg/L	0.001	SW846-8260B
Styrene	U	0.001	mg/L	0.001	SW846-8260B
Tetrachloroethene	J	0.00052	mg/L	0.001	SW846-8260B
Toluene	U	0.001	mg/L	0.001	SW846-8260B
Total Xylene	U	0.001	mg/L	0.001	SW846-8260B
trans-1,2-Dichloroethene	U	0.0005	mg/L	0.0005	SW846-8260B
trans-1,3-Dichloropropene	U	0.001	mg/L	0.001	SW846-8260B
Trans-1,4-Dichloro-2-butene	U	0.001	mg/L	0.001	SW846-8260B
Trichloroethene	D	0.15	mg/L	0.02	SW846-8260B
Trichloroethene	ER	0.27	mg/L	0.001	SW846-8260B
Trichlorofluoromethane	U	0.002	mg/L	0.002	SW846-8260B
Vinyl acetate	U	0.002	mg/L	0.002	SW846-8260B
Vinyl chloride	U	0.002	mg/L	0.002	SW846-8260B

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# Paducah-OREIS Data Report

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**MW180**  
**20313**  
**MW180SA2-05**

Collected: 3/21/2005

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Uranium	U	0.005	mg/L		0.005	ST7106
Uranium	N	0.00391	mg/L		0.001	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		30	Inches/Hg			
<b>PHYSC</b>						
Conductivity		796	umho/cm			
Depth to Water		14.12	ft			
Dissolved Oxygen		4.54	mg/L			
pH		7.26	Std Unit			
Redox		211	mV			
Temperature		60.6	deg F			
Turbidity		12	NTU			
<b>RADS</b>						
Alpha activity	U	3.08	pCi/L	0.93	4.23	SW846-9310
Beta activity		132	pCi/L	9.65	5.98	SW846-9310
Dissolved Alpha		8.62	pCi/L	3.52	8.61	SW846-9310
Dissolved Beta		129	pCi/L	12.5	11.5	SW846-9310
Potassium-40	U	-36.1	pCi/L	72.2	50	RL-7124
Suspended Alpha	U	-1.23	pCi/L	0	5.43	SW846-9310
Suspended Beta	U	0.768	pCi/L	0.22	8.69	SW846-9310
Technetium-99		142	pCi/L	16.3	17.1	RL-7100
Thorium-228	U	0.0643	pCi/L	0.04	0.18	RL-7128
Thorium-230	U	-0.0871	pCi/L	0.04	0.53	RL-7128
Thorium-232	U	0.0182	pCi/L	0.02	0.72	RL-7128
Thorium-234	U	35.5	pCi/L	71	46.8	RL-7124
Uranium	U	2.12	pCi/L	2.94	1.11	RL-7128
Uranium-234		1.21	pCi/L	0.17	0.65	RL-7128
Uranium-235	U	0.0301	pCi/L	0.04	0.12	RL-7128
Uranium-235			wt %			ST7106
Uranium-238		0.875	pCi/L	0.14	0.32	RL-7128
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene	U	0.001	mg/L		0.001	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260

# Paducah-OREIS Data Report

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**MW182**  
**20313**  
**MW182SA2-05**

Collected: 3/23/2005

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Uranium		0.088	mg/L		0.005	ST7106
Uranium	N	0.0816	mg/L		0.01	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.65	Inches/Hg			
<b>PHYSC</b>						
Conductivity		852	umho/cm			
Depth to Water		12.67	ft			
Dissolved Oxygen		1.78	mg/L			
pH		6.92	Std Unit			
Redox		223	mV			
Temperature		57.7	deg F			
Turbidity		1658	NTU			
<b>RADS</b>						
Alpha activity		42	pCi/L	8.28	6.08	SW846-9310
Beta activity		85.7	pCi/L	7.72	5.57	SW846-9310
Dissolved Alpha		31.9	pCi/L	9.01	8.8	SW846-9310
Dissolved Beta		73.1	pCi/L	8.75	10.9	SW846-9310
Potassium-40	U	-39.2	pCi/L	78.4	50	RL-7124
Suspended Alpha	U	2.27	pCi/L	1.6	6	SW846-9310
Suspended Beta	U	6.79	pCi/L	1.58	8.71	SW846-9310
Technetium-99		30.9	pCi/L	13	16.7	RL-7100
Thorium-228		0.185	pCi/L	0.08	0.18	RL-7128
Thorium-230	U	0.0677	pCi/L	0.06	0.49	RL-7128
Thorium-232	U	0.0277	pCi/L	0.02	0.1	RL-7128
Thorium-234	U	43.9	pCi/L	87.7	50	RL-7124
Uranium		46	pCi/L	9.09	1.13	RL-7128
Uranium-234		18.1	pCi/L	0.78	0.67	RL-7128
Uranium-235		1.15	pCi/L	0.21	0.13	RL-7128
Uranium-235		0.53	wt %			ST7106
Uranium-238		26.7	pCi/L	0.94	0.31	RL-7128
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene	U	0.001	mg/L		0.001	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260

# Paducah-OREIS Data Report

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**MW346**

**20313**

**MW346SA2-05**

Collected: 3/21/2005

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Uranium	NU	0.001	mg/L		0.001	SW846-6020
Uranium	U	0.005	mg/L		0.005	ST7106
<b>METEO</b>						
Barometric Pressure Reading		30	Inches/Hg			
<b>PHYSC</b>						
Conductivity		522	umho/cm			
Depth to Water		44.78	ft			
Dissolved Oxygen		0.75	mg/L			
pH		8.8	Std Unit			
Redox		124	mV			
Temperature		61.2	deg F			
Turbidity		89.8	NTU			
<b>RADS</b>						
Alpha activity		6.72	pCi/L	2.8	3.54	SW846-9310
Beta activity		10.9	pCi/L	2.08	5.02	SW846-9310
Dissolved Alpha	U	3.04	pCi/L	2.3	7.38	SW846-9310
Dissolved Beta		10.5	pCi/L	2.35	10.2	SW846-9310
Potassium-40	U	-27.6	pCi/L	55.1	50	RL-7124
Suspended Alpha	U	2.95	pCi/L	2.23	5.75	SW846-9310
Suspended Beta	U	1.83	pCi/L	0.5	8.89	SW846-9310
Technetium-99	U	2.35	pCi/L	12.3	17.1	RL-7100
Thorium-228	U	0.0831	pCi/L	0.06	0.19	RL-7128
Thorium-230	U	0.378	pCi/L	0.11	0.53	RL-7128
Thorium-232	U	0.0349	pCi/L	0.04	0.72	RL-7128
Thorium-234	U	20.1	pCi/L	40.1	45.6	RL-7124
Uranium	U	0.438	pCi/L	0.9	1.11	RL-7128
Uranium-234	U	0.295	pCi/L	0.08	0.66	RL-7128
Uranium-235			wt %			ST7106
Uranium-235	U	-0.0061	pCi/L	0.03	0.12	RL-7128
Uranium-238	U	0.15	pCi/L	0.06	0.32	RL-7128
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene	U	0.001	mg/L		0.001	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260

# Paducah-OREIS Data Report

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**MW66**

**20313**

**MW66SA2-05**

Collected: 3/9/2005

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Uranium	BU	0.001	mg/L		0.001	SW846-6020
Uranium	U	0.005	mg/L		0.005	ST7106
<b>METEO</b>						
Barometric Pressure Reading		30.01	Inches/Hg			
<b>PHYSC</b>						
Conductivity		393	umho/cm			
Depth to Water		42.71	ft			
Dissolved Oxygen		5.09	mg/L			
pH		6.18	Std Unit			
Redox		256	mV			
Temperature		58.4	deg F			
Turbidity		9.4	NTU			
<b>RADS</b>						
Dissolved Alpha		47.4	pCi/L	6.55	7.99	SW846-9310
Dissolved Beta		972	pCi/L	31.3	8.91	SW846-9310
Potassium-40	U	-18.8	pCi/L	37.7	50	RL-7124
Suspended Alpha	U	-0.773	pCi/L	0.77	6.13	SW846-9310
Suspended Beta	U	-1.56	pCi/L	0.48	7.82	SW846-9310
Thorium-228	U	0.0537	pCi/L	0.08	0.2	RL-7128
Thorium-230	U	0.166	pCi/L	0.12	0.56	RL-7128
Thorium-232	U	0.00076	pCi/L	0.03	0.73	RL-7128
Thorium-234	U	-2.61	pCi/L	5.22	48.7	RL-7124
Uranium	U	-0.0024	pCi/L	0.0073	1.11	RL-7128
Uranium-234	U	-0.0179	pCi/L	0.04	0.65	RL-7128
Uranium-235			wt %			ST7106
Uranium-235	U	-0.007	pCi/L	0.01	0.12	RL-7128
Uranium-238	U	0.0224	pCi/L	0.03	0.32	RL-7128

# Paducah-OREIS Data Report

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**MW220**  
**20316**  
**MW220SG4-05**

Collected: 7/14/2005

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	5	mg/L		5	SW846-9056
Chloride		38	mg/L		1	SW846-9056
Fluoride		0.19	mg/L		0.1	9214
Nitrate as Nitrogen		1.6	mg/L		1	SW846-9056
Sulfate		9.7	mg/L		1	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic		0.00165	mg/L		0.001	SW846-6020
Barium		0.222	mg/L		0.005	SW846-6020
Barium, Dissolved	B	0.23	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	BU	0.2	mg/L		0.2	SW846-6010A
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		20.6	mg/L		1	SW846-6010A
Chromium	UX	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	UX	0.02	mg/L		0.02	SW846-6020
Cobalt	X	0.00375	mg/L		0.001	SW846-6020
Copper	U	0.02	mg/L		0.02	SW846-6020
Iron		0.463	mg/L		0.1	SW846-6010A
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		8.39	mg/L		0.02	SW846-6010A
Manganese	X	0.0608	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum		0.00219	mg/L		0.001	SW846-6020
Nickel	X	0.196	mg/L		0.005	SW846-6020
Potassium		2.17	mg/L		0.2	SW846-6010A
Rhodium	U	0.005	mg/L		0.005	SW846-6020
Selenium	B	0.00657	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		35.5	mg/L		1	SW846-6010A
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	B	0.028	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.8	Inches/Hg			
<b>PHYSC</b>						
Conductivity		335	umho/cm			
Depth to Water		53.95	ft			
Dissolved Oxygen		4.74	mg/L			
Dissolved Solids	UX	500	mg/L		500	EPA-160.1
pH		6.17	Std Unit			
Redox		29.4	mV			
Suspended Solids	UX	25	mg/L		25	EPA-160.2
Temperature		65	deg F			
Total Solids	X	195	mg/L		150	EPA-160.3

\*QUALIFIER Codes See attached List.

**MW220**

**20316**

Turbidity 49.3 NTU

**PCCB**

PCB, Total	UY	0.00018	mg/L	0.0002	SW846-8082
PCB-1016	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1221	U	0.00018	mg/L	0.0002	SW846-8082
PCB-1232	U	0.00014	mg/L	0.0001	SW846-8082
PCB-1242	U	0.0001	mg/L	0.0001	SW846-8082
PCB-1248	U	0.00012	mg/L	0.0001	SW846-8082
PCB-1254	U	0.00007	mg/L	7E-05	SW846-8082
PCB-1260	U	0.00005	mg/L	5E-05	SW846-8082
PCB-1268	U	0.00009	mg/L	9E-05	SW846-8082

**RADS**

Alpha activity	U	1.74	pCi/L	0.89	6.3	SW846-9310
Beta activity		12.8	pCi/L	2.18	4.39	SW846-9310
Iodine-131	U	10.6	pCi/L	8.95	14.2	RL-7124
Radium	U	0.288	pCi/L	0.12	0.74	RL-7113
Radium-224	U	-0.0139	pCi/L	0.01	0.17	RL-7129
Radium-226	U	0.221	pCi/L	0.16	0.25	RL-7129
Radium-228	U	-2.91	pCi/L	0.66	3.81	RL-7129
Strontium-90	U	-0.325	pCi/L	0.05	1.45	RL-7140
Technetium-99		21.7	pCi/L	13.8	18.3	RL-7100
Thorium-230	UT	-0.0428	pCi/L	0.44	0.84	RL-7128
Tritium	U	-88.4	pCi/L	164	275	704R7

**SVOA**

1,2-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260

**VOA**

1,1,1,2-Tetrachloroethane	JU	0.005	mg/L	0.005	SW846-8260
1,1,1-Trichloroethane	JU	0.005	mg/L	0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.0002	mg/L	0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	0.005	SW846-8260
2-Butanone	U	0.01	mg/L	0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L	0.01	SW846-8260
2-Hexanone	U	0.01	mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L	0.01	SW846-8260
Acetone	JU	0.01	mg/L	0.01	SW846-8260
Acrolein	JU	0.01	mg/L	0.01	SW846-8260
Acrylonitrile	JU	0.01	mg/L	0.01	SW846-8260
Benzene	U	0.005	mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromodichloromethane	JU	0.005	mg/L	0.005	SW846-8260
Bromoform	U	0.005	mg/L	0.005	SW846-8260
Bromomethane	U	0.005	mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L	0.005	SW846-8260
Chloroethane	U	0.005	mg/L	0.005	SW846-8260
Chloroform	U	0.005	mg/L	0.005	SW846-8260

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## MW220

### 20316

Chloromethane	U	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	JU	0.005 mg/L	0.005	SW846-8260
Dibromomethane	U	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005 mg/L	0.005	SW846-8260
Ethanol	U	0.25 mg/L	0.25	SW846-8015
Ethyl methacrylate	U	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	U	0.005 mg/L	0.005	SW846-8260
Methylene chloride	U	0.005 mg/L	0.005	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	JU	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	JU	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	JU	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	UX	25 mg/L	25	EPA-410.4 1978
Cyanide	JU	0.05 mg/L	0.05	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.01 mg/L	0.01	SW846-9020B

# Paducah-OREIS Data Report

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## MW221 20316 MW221SG4-05

Collected: 7/14/2005

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	5	mg/L		5	SW846-9056
Chloride		42	mg/L		1	SW846-9056
Fluoride		0.19	mg/L		0.1	9214
Nitrate as Nitrogen		1.8	mg/L		1	SW846-9056
Sulfate		13	mg/L		1	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic		0.00106	mg/L		0.001	SW846-6020
Barium		0.235	mg/L		0.005	SW846-6020
Barium, Dissolved	B	0.24	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	BU	0.2	mg/L		0.2	SW846-6010A
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		23	mg/L		1	SW846-6010A
Chromium	UX	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	UX	0.02	mg/L		0.02	SW846-6020
Cobalt	UX	0.001	mg/L		0.001	SW846-6020
Copper	U	0.02	mg/L		0.02	SW846-6020
Iron	U	0.1	mg/L		0.1	SW846-6010A
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		9.92	mg/L		0.02	SW846-6010A
Manganese	X	0.00512	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum		0.00216	mg/L		0.001	SW846-6020
Nickel	BUX	0.005	mg/L		0.005	SW846-6020
Potassium		1.49	mg/L		0.2	SW846-6010A
Rhodium	U	0.005	mg/L		0.005	SW846-6020
Selenium	B	0.00551	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		46.9	mg/L		1	SW846-6010A
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	BU	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.8	Inches/Hg			
<b>PHYSC</b>						
Conductivity		399	umho/cm			
Depth to Water		63.62	ft			
Dissolved Oxygen		4.56	mg/L			
Dissolved Solids	UX	500	mg/L		500	EPA-160.1
pH		6.13	Std Unit			
Redox		240	mV			
Suspended Solids	UX	25	mg/L		25	EPA-160.2
Temperature		64.7	deg F			
Total Solids	X	223	mg/L		150	EPA-160.3



**MW221**

**20316**

Turbidity		423	NTU			
<b>PCCB</b>						
PCB, Total	UY	0.00018	mg/L	0.0002	SW846-8082	
PCB-1016	U	0.00017	mg/L	0.0002	SW846-8082	
PCB-1221	U	0.00018	mg/L	0.0002	SW846-8082	
PCB-1232	U	0.00014	mg/L	0.0001	SW846-8082	
PCB-1242	U	0.0001	mg/L	0.0001	SW846-8082	
PCB-1248	U	0.00012	mg/L	0.0001	SW846-8082	
PCB-1254	U	0.00007	mg/L	7E-05	SW846-8082	
PCB-1260	U	0.00005	mg/L	5E-05	SW846-8082	
PCB-1268	U	0.00009	mg/L	9E-05	SW846-8082	
<b>RADS</b>						
Alpha activity	U	-0.0663	pCi/L	0.04	7.12	SW846-9310
Beta activity		5.79	pCi/L	1.26	4.54	SW846-9310
Iodine-131	U	0.738	pCi/L	1.48	12.8	RL-7124
Radium	U	0.0813	pCi/L	0.11	0.74	RL-7113
Radium-224	U	0.1	pCi/L	0.19	0.3	RL-7129
Radium-226	U	0.256	pCi/L	0.32	0.38	RL-7129
Radium-228	U	-1.43	pCi/L	0.28	4.44	RL-7129
Strontium-90	U	0.144	pCi/L	0.02	2.59	RL-7140
Technetium-99	U	6.6	pCi/L	13.4	18.3	RL-7100
Thorium-230	UT	-0.0183	pCi/L	0.24	0.8	RL-7128
Tritium	U	-98.9	pCi/L	163	275	704R7
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260	
1,4-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260	
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	JU	0.005	mg/L	0.005	SW846-8260	
1,1,1-Trichloroethane	JU	0.005	mg/L	0.005	SW846-8260	
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260	
1,1,2-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260	
1,1-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260	
1,1-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260	
1,2,3-Trichloropropane	U	0.005	mg/L	0.005	SW846-8260	
1,2-Dibromo-3-chloropropane	U	0.0002	mg/L	0.0002	SW846-8011	
1,2-Dibromoethane	U	0.005	mg/L	0.005	SW846-8260	
1,2-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260	
1,2-Dichloropropane	U	0.005	mg/L	0.005	SW846-8260	
2-Butanone	U	0.01	mg/L	0.01	SW846-8260	
2-Chloroethyl vinyl ether	JU	0.01	mg/L	0.01	SW846-8260	
2-Hexanone	U	0.01	mg/L	0.01	SW846-8260	
4-Methyl-2-pentanone	U	0.01	mg/L	0.01	SW846-8260	
Acetone	JU	0.01	mg/L	0.01	SW846-8260	
Acrolein	JU	0.01	mg/L	0.01	SW846-8260	
Acrylonitrile	JU	0.01	mg/L	0.01	SW846-8260	
Benzene	U	0.005	mg/L	0.005	SW846-8260	
Bromochloromethane	U	0.005	mg/L	0.005	SW846-8260	
Bromodichloromethane	JU	0.005	mg/L	0.005	SW846-8260	
Bromoform	U	0.005	mg/L	0.005	SW846-8260	
Bromomethane	U	0.005	mg/L	0.005	SW846-8260	
Carbon disulfide	U	0.005	mg/L	0.005	SW846-8260	
Carbon tetrachloride	U	0.005	mg/L	0.005	SW846-8260	
Chlorobenzene	U	0.005	mg/L	0.005	SW846-8260	
Chloroethane	U	0.005	mg/L	0.005	SW846-8260	
Chloroform	U	0.005	mg/L	0.005	SW846-8260	

# Paducah-OREIS Data Report

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## MW221

### 20316

Chloromethane	U	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	JU	0.005 mg/L	0.005	SW846-8260
Dibromomethane	U	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005 mg/L	0.005	SW846-8260
Ethanol	U	0.25 mg/L	0.25	SW846-8015
Ethyl methacrylate	U	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	U	0.005 mg/L	0.005	SW846-8260
Methylene chloride	U	0.005 mg/L	0.005	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	JU	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	JU	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	JU	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	UX	25 mg/L	25	EPA-410.4 1978
Cyanide	JU	0.05 mg/L	0.05	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.01 mg/L	0.01	SW846-9020B

# Paducah-OREIS Data Report

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**MW222**  
**20316**  
**MW222SG4-05**

Collected: 7/13/2005

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	5	mg/L		5	SW846-9056
Chloride		40	mg/L		1	SW846-9056
Fluoride		0.33	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		12	mg/L		1	SW846-9056
<b>METAL</b>						
Aluminum		0.626	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic		0.00248	mg/L		0.001	SW846-6020
Barium		0.582	mg/L		0.005	SW846-6020
Barium, Dissolved	B	0.584	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	BU	0.2	mg/L		0.2	SW846-6010A
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		20	mg/L		1	SW846-6010A
Chromium	UX	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	UX	0.02	mg/L		0.02	SW846-6020
Cobalt	X	0.0267	mg/L		0.001	SW846-6020
Copper	U	0.02	mg/L		0.02	SW846-6020
Iron		1.27	mg/L		0.1	SW846-6010A
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		8.93	mg/L		0.02	SW846-6010A
Manganese	X	3.27	mg/L		0.05	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum		0.00117	mg/L		0.001	SW846-6020
Nickel	X	0.0229	mg/L		0.005	SW846-6020
Potassium		0.498	mg/L		0.2	SW846-6010A
Rhodium	U	0.005	mg/L		0.005	SW846-6020
Selenium	B	0.00661	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		48.5	mg/L		1	SW846-6010A
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	BU	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.83	Inches/Hg			
<b>PHYSC</b>						
Conductivity		385	umho/cm			
Depth to Water		67.68	ft			
Dissolved Oxygen		1.3	mg/L			
Dissolved Solids	UX	500	mg/L		500	EPA-160.1
pH		6.4	Std Unit			
Redox		201	mV			
Suspended Solids	UX	25	mg/L		25	EPA-160.2
Temperature		67.8	deg F			
Total Solids	X	268	mg/L		150	EPA-160.3

\*QUALIFIER Codes See attached List.

**MW222**

**20316**

Turbidity 16.4 NTU

**PCCB**

PCB, Total	Y	0.00019	mg/L	0.0002	SW846-8082
PCB-1016		0.00019	mg/L	0.0002	SW846-8082
PCB-1221	U	0.00018	mg/L	0.0002	SW846-8082
PCB-1232	U	0.00014	mg/L	0.0001	SW846-8082
PCB-1242	U	0.0001	mg/L	0.0001	SW846-8082
PCB-1248	U	0.00012	mg/L	0.0001	SW846-8082
PCB-1254	U	0.00007	mg/L	7E-05	SW846-8082
PCB-1260	U	0.00005	mg/L	5E-05	SW846-8082
PCB-1268	U	0.00009	mg/L	9E-05	SW846-8082

**RADS**

Alpha activity	U	-2.32	pCi/L	2.32	7.28	SW846-9310
Beta activity		5.41	pCi/L	1.2	4.56	SW846-9310
Iodine-131	U	-7.03	pCi/L	14.1	8.36	RL-7124
Radium	U	0.173	pCi/L	0.11	0.74	RL-7113
Radium-224	U	0.0353	pCi/L	0.08	0.17	RL-7129
Radium-226	U	0.0997	pCi/L	0.12	0.3	RL-7129
Radium-228	U	3.96	pCi/L	0.75	4.66	RL-7129
Strontium-90	U	-0.143	pCi/L	0.02	1.54	RL-7140
Technetium-99	U	0.389	pCi/L	13.8	19.4	RL-7100
Thorium-230	U	0.0763	pCi/L	0.08	0.52	RL-7128
Tritium	U	-173	pCi/L	162	275	704R7

**SVOA**

1,2-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260

**VOA**

1,1,1,2-Tetrachloroethane	JU	0.005	mg/L	0.005	SW846-8260
1,1,1-Trichloroethane	JU	0.005	mg/L	0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.0002	mg/L	0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	0.005	SW846-8260
2-Butanone	U	0.01	mg/L	0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L	0.01	SW846-8260
2-Hexanone	U	0.01	mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L	0.01	SW846-8260
Acetone	JU	0.01	mg/L	0.01	SW846-8260
Acrolein	JU	0.01	mg/L	0.01	SW846-8260
Acrylonitrile	JU	0.01	mg/L	0.01	SW846-8260
Benzene	U	0.005	mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromodichloromethane	JU	0.005	mg/L	0.005	SW846-8260
Bromoform	U	0.005	mg/L	0.005	SW846-8260
Bromomethane	U	0.005	mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L	0.005	SW846-8260
Chloroethane	U	0.005	mg/L	0.005	SW846-8260
Chloroform	U	0.005	mg/L	0.005	SW846-8260

**MW222****20316**

Chloromethane	U	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	JU	0.005 mg/L	0.005	SW846-8260
Dibromomethane	U	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005 mg/L	0.005	SW846-8260
Ethanol	U	0.25 mg/L	0.25	SW846-8015
Ethyl methacrylate	U	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	U	0.005 mg/L	0.005	SW846-8260
Methylene chloride	U	0.005 mg/L	0.005	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	JU	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	JU	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	JU	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	UX	25 mg/L	25	EPA-410.4 1978
Cyanide	JU	0.05 mg/L	0.05	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.01 mg/L	0.01	SW846-9020B

# Paducah-OREIS Data Report

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**MW223**  
**20316**  
**MW223SG4-05**

Collected: 7/14/2005

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	5	mg/L		5	SW846-9056
Chloride		37	mg/L		1	SW846-9056
Fluoride		0.27	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		11	mg/L		1	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic		0.00143	mg/L		0.001	SW846-6020
Barium		0.344	mg/L		0.005	SW846-6020
Barium, Dissolved	B	0.362	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6010A
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		20.2	mg/L		1	SW846-6010A
Chromium	U	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	UX	0.02	mg/L		0.02	SW846-6020
Cobalt		0.00447	mg/L		0.001	SW846-6020
Copper	*NU	0.02	mg/L		0.02	SW846-6020
Iron		0.282	mg/L		0.1	SW846-6010A
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		8.44	mg/L		0.02	SW846-6010A
Manganese	X	0.311	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum		0.0099	mg/L		0.001	SW846-6020
Nickel	N	0.0534	mg/L		0.005	SW846-6020
Potassium		3.28	mg/L		0.2	SW846-6010A
Rhodium	U	0.005	mg/L		0.005	SW846-6020
Selenium		0.00576	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		42	mg/L		1	SW846-6010A
Tantalum	BU	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	BU	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.8	Inches/Hg			
<b>PHYSC</b>						
Conductivity		376	umho/cm			
Depth to Water		66.86	ft			
Dissolved Oxygen		1.6	mg/L			
Dissolved Solids	UX	500	mg/L		500	EPA-160.1
pH		6.21	Std Unit			
Redox		264	mV			
Suspended Solids	UX	25	mg/L		25	EPA-160.2
Temperature		65.1	deg F			
Total Solids	X	214	mg/L		150	EPA-160.3

**MW223****20316**

Turbidity		29.3	NTU			
<b>PCCB</b>						
PCB, Total	Y	0.00018	mg/L	0.0002	SW846-8082	
PCB-1016		0.00017	mg/L	0.0002	SW846-8082	
PCB-1221	U	0.00018	mg/L	0.0002	SW846-8082	
PCB-1232	U	0.00014	mg/L	0.0001	SW846-8082	
PCB-1242	U	0.0001	mg/L	0.0001	SW846-8082	
PCB-1248	U	0.00012	mg/L	0.0001	SW846-8082	
PCB-1254	U	0.00007	mg/L	7E-05	SW846-8082	
PCB-1260	U	0.00005	mg/L	5E-05	SW846-8082	
PCB-1268	U	0.00009	mg/L	9E-05	SW846-8082	
<b>RADS</b>						
Alpha activity	U	0.967	pCi/L	0.96	1.08	SW846-9310
Beta activity		7.48	pCi/L	1.54	4.51	SW846-9310
Iodine-131	U	1.94	pCi/L	3.88	14.7	RL-7124
Radium	U	0.105	pCi/L	0.11	0.74	RL-7113
Radium-224	U	0.0226	pCi/L	0.06	0.17	RL-7129
Radium-226	U	0.00793	pCi/L	0.06	0.26	RL-7129
Radium-228	U	-2.21	pCi/L	0.47	4.23	RL-7129
Strontium-90	U	-0.0423	pCi/L	0.0069	1.31	RL-7140
Technetium-99	U	9.02	pCi/L	13.4	18.3	RL-7100
Thorium-230	U	-0.0062	pCi/L	0.09	0.53	RL-7128
Tritium	U	-194	pCi/L	162	275	704R7
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260	
1,4-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260	
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	JU	0.005	mg/L	0.005	SW846-8260	
1,1,1-Trichloroethane	JU	0.005	mg/L	0.005	SW846-8260	
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260	
1,1,2-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260	
1,1-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260	
1,1-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260	
1,2,3-Trichloropropane	U	0.005	mg/L	0.005	SW846-8260	
1,2-Dibromo-3-chloropropane	U	0.0002	mg/L	0.0002	SW846-8011	
1,2-Dibromoethane	U	0.005	mg/L	0.005	SW846-8260	
1,2-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260	
1,2-Dichloropropane	U	0.005	mg/L	0.005	SW846-8260	
2-Butanone	U	0.01	mg/L	0.01	SW846-8260	
2-Chloroethyl vinyl ether	JU	0.01	mg/L	0.01	SW846-8260	
2-Hexanone	U	0.01	mg/L	0.01	SW846-8260	
4-Methyl-2-pentanone	U	0.01	mg/L	0.01	SW846-8260	
Acetone	JU	0.01	mg/L	0.01	SW846-8260	
Acrolein	JU	0.01	mg/L	0.01	SW846-8260	
Acrylonitrile	JU	0.01	mg/L	0.01	SW846-8260	
Benzene	U	0.005	mg/L	0.005	SW846-8260	
Bromochloromethane	U	0.005	mg/L	0.005	SW846-8260	
Bromodichloromethane	JU	0.005	mg/L	0.005	SW846-8260	
Bromoform	U	0.005	mg/L	0.005	SW846-8260	
Bromomethane	U	0.005	mg/L	0.005	SW846-8260	
Carbon disulfide	U	0.005	mg/L	0.005	SW846-8260	
Carbon tetrachloride	U	0.005	mg/L	0.005	SW846-8260	
Chlorobenzene	U	0.005	mg/L	0.005	SW846-8260	
Chloroethane	U	0.005	mg/L	0.005	SW846-8260	
Chloroform	U	0.005	mg/L	0.005	SW846-8260	

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## MW223

### 20316

Chloromethane	U	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	JU	0.005 mg/L	0.005	SW846-8260
Dibromomethane	U	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005 mg/L	0.005	SW846-8260
Ethanol	U	0.25 mg/L	0.25	SW846-8015
Ethyl methacrylate	U	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	U	0.005 mg/L	0.005	SW846-8260
Methylene chloride	U	0.005 mg/L	0.005	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	JU	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	JU	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	JU	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	UX	25 mg/L	25	EPA-410.4 1978
Cyanide	JU	0.05 mg/L	0.05	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.01 mg/L	0.01	SW846-9020B



# Paducah-OREIS Data Report

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## MW224 20316 MW224SG4-05

Collected: 7/13/2005

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	5	mg/L		5	SW846-9056
Chloride		35	mg/L		1	SW846-9056
Fluoride		0.31	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		17	mg/L		1	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic		0.00155	mg/L		0.001	SW846-6020
Barium		0.359	mg/L		0.005	SW846-6020
Barium, Dissolved	B	0.37	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	BU	0.2	mg/L		0.2	SW846-6010A
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		30.3	mg/L		1	SW846-6010A
Chromium	UX	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	UX	0.02	mg/L		0.02	SW846-6020
Cobalt	X	0.026	mg/L		0.001	SW846-6020
Copper	U	0.02	mg/L		0.02	SW846-6020
Iron	U	0.1	mg/L		0.1	SW846-6010A
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		13.2	mg/L		0.02	SW846-6010A
Manganese	X	0.764	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	U	0.001	mg/L		0.001	SW846-6020
Nickel	X	0.0122	mg/L		0.005	SW846-6020
Potassium		0.774	mg/L		0.2	SW846-6010A
Rhodium	U	0.005	mg/L		0.005	SW846-6020
Selenium	B	0.00602	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		61	mg/L		1	SW846-6010A
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	BU	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.83	Inches/Hg			
<b>PHYSC</b>						
Conductivity		493	umho/cm			
Depth to Water		68.15	ft			
Dissolved Oxygen		1.12	mg/L			
Dissolved Solids	UX	500	mg/L		500	EPA-160.1
pH		6.3	Std Unit			
Redox		212	mV			
Suspended Solids	UX	25	mg/L		25	EPA-160.2
Temperature		66.4	deg F			
Total Solids	X	325	mg/L		150	EPA-160.3

**MW224****20316**

Turbidity 6.5 NTU

**PCCB**

PCB, Total	UY	0.00018	mg/L	0.0002	SW846-8082
PCB-1016	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1221	U	0.00018	mg/L	0.0002	SW846-8082
PCB-1232	U	0.00014	mg/L	0.0001	SW846-8082
PCB-1242	U	0.0001	mg/L	0.0001	SW846-8082
PCB-1248	U	0.00012	mg/L	0.0001	SW846-8082
PCB-1254	U	0.00007	mg/L	7E-05	SW846-8082
PCB-1260	U	0.00005	mg/L	5E-05	SW846-8082
PCB-1268	U	0.00009	mg/L	9E-05	SW846-8082

**RADS**

Alpha activity	U	-1.24	pCi/L	1.01	7.8	SW846-9310
Beta activity	U	2.69	pCi/L	0.68	4.66	SW846-9310
Iodine-131	U	2.5	pCi/L	5	14.9	RL-7124
Radium	U	0.179	pCi/L	0.11	0.74	RL-7113
Radium-224	U	-0.0321	pCi/L	0.06	0.18	RL-7129
Radium-226	U	0.101	pCi/L	0.13	0.25	RL-7129
Radium-228	U	3.83	pCi/L	0.74	5.25	RL-7129
Strontium-90	U	-0.238	pCi/L	0.03	1.6	RL-7140
Technetium-99	U	10	pCi/L	14.2	19.4	RL-7100
Thorium-230	UT	-0.0782	pCi/L	0.08	0.57	RL-7128
Tritium	U	-67.3	pCi/L	164	275	704R7

**SVOA**

1,2-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260

**VOA**

1,1,1,2-Tetrachloroethane	JU	0.005	mg/L	0.005	SW846-8260
1,1,1-Trichloroethane	JU	0.005	mg/L	0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.0002	mg/L	0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	0.005	SW846-8260
2-Butanone	U	0.01	mg/L	0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L	0.01	SW846-8260
2-Hexanone	U	0.01	mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L	0.01	SW846-8260
Acetone	JU	0.01	mg/L	0.01	SW846-8260
Acrolein	JU	0.01	mg/L	0.01	SW846-8260
Acrylonitrile	JU	0.01	mg/L	0.01	SW846-8260
Benzene	U	0.005	mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromodichloromethane	JU	0.005	mg/L	0.005	SW846-8260
Bromoform	U	0.005	mg/L	0.005	SW846-8260
Bromomethane	U	0.005	mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L	0.005	SW846-8260
Chloroethane	U	0.005	mg/L	0.005	SW846-8260
Chloroform	U	0.005	mg/L	0.005	SW846-8260

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## MW224

### 20316

Chloromethane	U	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	JU	0.005 mg/L	0.005	SW846-8260
Dibromomethane	U	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005 mg/L	0.005	SW846-8260
Ethanol	U	0.25 mg/L	0.25	SW846-8015
Ethyl methacrylate	U	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	U	0.005 mg/L	0.005	SW846-8260
Methylene chloride	U	0.005 mg/L	0.005	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	JU	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	JU	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	JU	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	UX	25 mg/L	25	EPA-410.4 1978
Cyanide	JU	0.05 mg/L	0.05	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.01 mg/L	0.01	SW846-9020B

# Paducah-OREIS Data Report

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**MW384**

**20316**

**MW384SG4-05**

Collected: 7/11/2005

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	5	mg/L		5	SW846-9056
Chloride		67	mg/L		5	SW846-9056
Fluoride		0.32	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		32	mg/L		1	SW846-9056
<b>METAL</b>						
Aluminum		0.42	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic		0.00715	mg/L		0.001	SW846-6020
Barium		0.18	mg/L		0.005	SW846-6020
Barium, Dissolved		0.163	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	BU	0.2	mg/L		0.2	SW846-6010A
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		33.5	mg/L		1	SW846-6010A
Chromium	UX	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	UX	0.02	mg/L		0.02	SW846-6020
Cobalt	X	0.00595	mg/L		0.001	SW846-6020
Copper	U	0.02	mg/L		0.02	SW846-6020
Iron		3.31	mg/L		0.1	SW846-6010A
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		13	mg/L		0.02	SW846-6010A
Manganese	X	0.534	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	U	0.001	mg/L		0.001	SW846-6020
Nickel	BUX	0.005	mg/L		0.005	SW846-6020
Potassium		1.18	mg/L		0.2	SW846-6010A
Rhodium	U	0.005	mg/L		0.005	SW846-6020
Selenium		0.00808	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		68.8	mg/L		1	SW846-6010A
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	BU	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.97	Inches/Hg			
<b>PHYSC</b>						
Conductivity		170	umho/cm			
Depth to Water		37.73	ft			
Dissolved Oxygen		1.14	mg/L			
Dissolved Solids	*U	500	mg/L		500	EPA-160.1
pH		3.3	Std Unit			
Redox		338	mV			
Suspended Solids	U	17	mg/L		17	EPA-160.2
Temperature		65.8	deg F			
Total Solids		361	mg/L		150	EPA-160.3

# Paducah-OREIS Data Report

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## MW384

### 20316

Turbidity		28.1	NTU		
<b>PCCB</b>					
PCB, Total	UY	0.00018	mg/L	0.0002	SW846-8082
PCB-1016	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1221	U	0.00018	mg/L	0.0002	SW846-8082
PCB-1232	U	0.00014	mg/L	0.0001	SW846-8082
PCB-1242	U	0.0001	mg/L	0.0001	SW846-8082
PCB-1248	U	0.00012	mg/L	0.0001	SW846-8082
PCB-1254	U	0.00007	mg/L	7E-05	SW846-8082
PCB-1260	U	0.00005	mg/L	5E-05	SW846-8082
PCB-1268	U	0.00009	mg/L	9E-05	SW846-8082
<b>RADS</b>					
Alpha activity		13.9	pCi/L	3.02	8.06 SW846-9310
Beta activity		255	pCi/L	11.9	4.7 SW846-9310
Iodine-131	U	1.15	pCi/L	2.3	13.3 RL-7124
Radium	U	-0.33	pCi/L	0	0.79 RL-7113
Radium-224	U	-0.0311	pCi/L	0.03	0.24 RL-7129
Radium-226	U	0.0526	pCi/L	0.12	0.29 RL-7129
Radium-228	U	4.27	pCi/L	0.66	6.87 RL-7129
Strontium-90	U	0.173	pCi/L	0.02	1.62 RL-7140
Technetium-99		417	pCi/L	23.8	19.4 RL-7100
Thorium-230	UT	-0.127	pCi/L	0.16	0.67 RL-7128
Tritium	U	-112	pCi/L	163	275 704R7
<b>SVOA</b>					
1,2-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
<b>VOA</b>					
1,1,1,2-Tetrachloroethane	JU	0.005	mg/L	0.005	SW846-8260
1,1,1-Trichloroethane	JU	0.005	mg/L	0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dibromo-3-chloropropane	UY	0.0002	mg/L	0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	0.005	SW846-8260
2-Butanone	U	0.01	mg/L	0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L	0.01	SW846-8260
2-Hexanone	U	0.01	mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L	0.01	SW846-8260
Acetone	JU	0.01	mg/L	0.01	SW846-8260
Acrolein	JU	0.01	mg/L	0.01	SW846-8260
Acrylonitrile	JU	0.01	mg/L	0.01	SW846-8260
Benzene	U	0.005	mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromodichloromethane	JU	0.005	mg/L	0.005	SW846-8260
Bromoform	U	0.005	mg/L	0.005	SW846-8260
Bromomethane	U	0.005	mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L	0.005	SW846-8260
Chloroethane	U	0.005	mg/L	0.005	SW846-8260
Chloroform	U	0.005	mg/L	0.005	SW846-8260

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## MW384

### 20316

Chloromethane	U	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	JU	0.005 mg/L	0.005	SW846-8260
Dibromomethane	U	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005 mg/L	0.005	SW846-8260
Ethanol	U	0.25 mg/L	0.25	SW846-8015
Ethyl methacrylate	U	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	U	0.005 mg/L	0.005	SW846-8260
Methylene chloride	U	0.005 mg/L	0.005	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	JU	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	JU	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene		0.0014 mg/L	0.001	SW846-8260
Trichlorofluoromethane	JU	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	B	405 mg/L	125	EPA-410.4 1978
Cyanide	JU	0.05 mg/L	0.05	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	D	232.5 mg/L	50	SW846-9060
Total Organic Halides (TOX)		0.0321 mg/L	0.01	SW846-9020B

# Paducah-OREIS Data Report

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**MW385**

**20316**

**MW385SG4-05**

Collected: 7/11/2005

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	5	mg/L		5	SW846-9056
Chloride		30	mg/L		1	SW846-9056
Fluoride		0.27	mg/L		0.1	9214
Nitrate as Nitrogen		1.4	mg/L		1	SW846-9056
Sulfate		17	mg/L		1	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic		0.00125	mg/L		0.001	SW846-6020
Barium		0.184	mg/L		0.005	SW846-6020
Barium, Dissolved		0.183	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	BU	0.2	mg/L		0.2	SW846-6010A
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		31.2	mg/L		1	SW846-6010A
Chromium	UX	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	UX	0.02	mg/L		0.02	SW846-6020
Cobalt	UX	0.001	mg/L		0.001	SW846-6020
Copper	U	0.02	mg/L		0.02	SW846-6020
Iron		0.11	mg/L		0.1	SW846-6010A
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		9.26	mg/L		0.02	SW846-6010A
Manganese	X	0.00592	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	U	0.001	mg/L		0.001	SW846-6020
Nickel	BUX	0.005	mg/L		0.005	SW846-6020
Potassium		1.59	mg/L		0.2	SW846-6010A
Rhodium	U	0.005	mg/L		0.005	SW846-6020
Selenium	U	0.005	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		38.7	mg/L		1	SW846-6010A
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	BU	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.71	Inches/Hg			
<b>PHYSC</b>						
Conductivity		506	umho/cm			
Depth to Water		38.09	ft			
Dissolved Oxygen		1.49	mg/L			
Dissolved Solids	U	500	mg/L		500	EPA-160.1
pH		7	Std Unit			
Redox		184	mV			
Suspended Solids	U	14	mg/L		14	EPA-160.2
Temperature		68.3	deg F			
Total Solids		237	mg/L		150	EPA-160.3

**MW385**

**20316**

Turbidity 3.2 NTU

**PCCB**

PCB, Total	UY	0.00018	mg/L	0.0002	SW846-8082
PCB-1016	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1221	U	0.00018	mg/L	0.0002	SW846-8082
PCB-1232	U	0.00014	mg/L	0.0001	SW846-8082
PCB-1242	U	0.0001	mg/L	0.0001	SW846-8082
PCB-1248	U	0.00012	mg/L	0.0001	SW846-8082
PCB-1254	U	0.00007	mg/L	7E-05	SW846-8082
PCB-1260	U	0.00005	mg/L	5E-05	SW846-8082
PCB-1268	U	0.00009	mg/L	9E-05	SW846-8082

**RADS**

Alpha activity	U	2.05	pCi/L	0.89	7.03	SW846-9310
Beta activity		42	pCi/L	4.5	4.52	SW846-9310
Iodine-131	U	-3.42	pCi/L	6.83	10.7	RL-7124
Radium	U	0.115	pCi/L	0.12	0.79	RL-7113
Radium-224	U	0.0191	pCi/L	0.05	0.16	RL-7129
Radium-226	U	0.0795	pCi/L	0.11	0.3	RL-7129
Radium-228	U	0.8	pCi/L	0.14	2.84	RL-7129
Strontium-90	U	0.203	pCi/L	0.03	1.54	RL-7140
Technetium-99		58.6	pCi/L	15.7	19.4	RL-7100
Thorium-230	U	-0.0191	pCi/L	0.05	0.53	RL-7128
Tritium	U	-40	pCi/L	165	275	704R7

**SVOA**

1,2-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260

**VOA**

1,1,1,2-Tetrachloroethane	JU	0.005	mg/L	0.005	SW846-8260
1,1,1-Trichloroethane	JU	0.005	mg/L	0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dibromo-3-chloropropane	UY	0.0002	mg/L	0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	0.005	SW846-8260
2-Butanone	U	0.01	mg/L	0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L	0.01	SW846-8260
2-Hexanone	U	0.01	mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L	0.01	SW846-8260
Acetone	JU	0.01	mg/L	0.01	SW846-8260
Acrolein	JU	0.01	mg/L	0.01	SW846-8260
Acrylonitrile	JU	0.01	mg/L	0.01	SW846-8260
Benzene	U	0.005	mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromodichloromethane	JU	0.005	mg/L	0.005	SW846-8260
Bromoform	U	0.005	mg/L	0.005	SW846-8260
Bromomethane	U	0.005	mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L	0.005	SW846-8260
Chloroethane	U	0.005	mg/L	0.005	SW846-8260
Chloroform	U	0.005	mg/L	0.005	SW846-8260



# Paducah-OREIS Data Report

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## MW385

### 20316

Chloromethane	U	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	JU	0.005 mg/L	0.005	SW846-8260
Dibromomethane	U	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005 mg/L	0.005	SW846-8260
Ethanol	U	0.25 mg/L	0.25	SW846-8015
Ethyl methacrylate	U	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	U	0.005 mg/L	0.005	SW846-8260
Methylene chloride	U	0.005 mg/L	0.005	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	JU	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	JU	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	JU	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	BU	25 mg/L	25	EPA-410.4 1978
Cyanide	JU	0.05 mg/L	0.05	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		1.3 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.01 mg/L	0.01	SW846-9020B

# Paducah-OREIS Data Report

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**MW386**  
**20316**  
**MW386SG4-05**

Collected: 7/11/2005

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	5	mg/L		5	SW846-9056
Chloride		35	mg/L		1	SW846-9056
Fluoride		0.43	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		16	mg/L		1	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic		0.00111	mg/L		0.001	SW846-6020
Barium		0.142	mg/L		0.005	SW846-6020
Barium, Dissolved	B	0.146	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	BU	0.2	mg/L		0.2	SW846-6010A
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		28.2	mg/L		1	SW846-6010A
Chromium	UX	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	UX	0.02	mg/L		0.02	SW846-6020
Cobalt	X	0.00616	mg/L		0.001	SW846-6020
Copper	U	0.02	mg/L		0.02	SW846-6020
Iron		4.8	mg/L		0.1	SW846-6010A
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		11.9	mg/L		0.02	SW846-6010A
Manganese	X	0.71	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	U	0.001	mg/L		0.001	SW846-6020
Nickel	BUX	0.005	mg/L		0.005	SW846-6020
Potassium		0.496	mg/L		0.2	SW846-6010A
Rhodium	U	0.005	mg/L		0.005	SW846-6020
Selenium	U	0.005	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		113	mg/L		1	SW846-6010A
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	BU	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.71	Inches/Hg			
<b>PHYSC</b>						
Conductivity		673	umho/cm			
Depth to Water		21.1	ft			
Dissolved Oxygen		1.79	mg/L			
Dissolved Solids	U	500	mg/L		500	EPA-160.1
pH		6.4	Std Unit			
Redox		221	mV			
Suspended Solids	U	17	mg/L		17	EPA-160.2
Temperature		66.5	deg F			
Total Solids		461	mg/L		150	EPA-160.3

**MW386**

**20316**

Turbidity 2.9 NTU

**PCCB**

PCB, Total	UY	0.00018	mg/L	0.0002	SW846-8082
PCB-1016	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1221	U	0.00018	mg/L	0.0002	SW846-8082
PCB-1232	U	0.00014	mg/L	0.0001	SW846-8082
PCB-1242	U	0.0001	mg/L	0.0001	SW846-8082
PCB-1248	U	0.00012	mg/L	0.0001	SW846-8082
PCB-1254	U	0.00007	mg/L	7E-05	SW846-8082
PCB-1260	U	0.00005	mg/L	5E-05	SW846-8082
PCB-1268	U	0.00009	mg/L	9E-05	SW846-8082

**RADS**

Alpha activity	U	-2.85	pCi/L	2.85	10.4	SW846-9310
Beta activity	U	2.03	pCi/L	0.54	5.15	SW846-9310
Iodine-131	U	3.11	pCi/L	6.21	10.3	RL-7124
Radium	U	-0.0438	pCi/L	0	0.79	RL-7113
Radium-224	U	-0.0503	pCi/L	0.12	0.26	RL-7129
Radium-226	U	0.115	pCi/L	0.14	0.29	RL-7129
Radium-228	U	-2.96	pCi/L	0.65	4.68	RL-7129
Strontium-90	U	-0.0232	pCi/L	0.0036	1.78	RL-7140
Technetium-99	U	-8.4	pCi/L	13.7	19.4	RL-7100
Thorium-230	U	0.078	pCi/L	0.09	0.54	RL-7128
Tritium	U	-69.5	pCi/L	164	275	704R7

**SVOA**

1,2-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260

**VOA**

1,1,1,2-Tetrachloroethane	JU	0.005	mg/L	0.005	SW846-8260
1,1,1-Trichloroethane	JU	0.005	mg/L	0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dibromo-3-chloropropane	UY	0.0002	mg/L	0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	0.005	SW846-8260
2-Butanone	U	0.01	mg/L	0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L	0.01	SW846-8260
2-Hexanone	U	0.01	mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L	0.01	SW846-8260
Acetone	JU	0.01	mg/L	0.01	SW846-8260
Acrolein	JU	0.01	mg/L	0.01	SW846-8260
Acrylonitrile	JU	0.01	mg/L	0.01	SW846-8260
Benzene	U	0.005	mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromodichloromethane	JU	0.005	mg/L	0.005	SW846-8260
Bromoform	U	0.005	mg/L	0.005	SW846-8260
Bromomethane	U	0.005	mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L	0.005	SW846-8260
Chloroethane	U	0.005	mg/L	0.005	SW846-8260
Chloroform	U	0.005	mg/L	0.005	SW846-8260

# Paducah-OREIS Data Report

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## MW386

### 20316

Chloromethane	U	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	JU	0.005 mg/L	0.005	SW846-8260
Dibromomethane	U	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005 mg/L	0.005	SW846-8260
Ethanol	U	0.25 mg/L	0.25	SW846-8015
Ethyl methacrylate	U	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	U	0.005 mg/L	0.005	SW846-8260
Methylene chloride	U	0.005 mg/L	0.005	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	JU	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	JU	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	JU	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	B	55 mg/L	25	EPA-410.4 1978
Cyanide	JU	0.05 mg/L	0.05	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	D	17.9 mg/L	2	SW846-9060
Total Organic Halides (TOX)		0.329 mg/L	0.01	SW846-9020B

# Paducah-OREIS Data Report

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**MW387**  
**20316**  
**MW387SG4-05**

Collected: 7/13/2005

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	5	mg/L		5	SW846-9056
Chloride		47	mg/L		1	SW846-9056
Fluoride		0.78	mg/L		0.1	9214
Nitrate as Nitrogen		1.6	mg/L		1	SW846-9056
Sulfate		26	mg/L		1	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic		0.00233	mg/L		0.001	SW846-6020
Barium		0.156	mg/L		0.005	SW846-6020
Barium, Dissolved	B	0.159	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	BU	0.2	mg/L		0.2	SW846-6010A
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		34.6	mg/L		1	SW846-6010A
Chromium	UX	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	UX	0.02	mg/L		0.02	SW846-6020
Cobalt	UX	0.001	mg/L		0.001	SW846-6020
Copper	U	0.02	mg/L		0.02	SW846-6020
Iron		0.194	mg/L		0.1	SW846-6010A
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		14.3	mg/L		0.02	SW846-6010A
Manganese	X	0.00944	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	U	0.001	mg/L		0.001	SW846-6020
Nickel	BUX	0.005	mg/L		0.005	SW846-6020
Potassium		1.81	mg/L		0.2	SW846-6010A
Rhodium	U	0.005	mg/L		0.005	SW846-6020
Selenium	B	0.00702	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		49.7	mg/L		1	SW846-6010A
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	BU	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.87	Inches/Hg			
<b>PHYSC</b>						
Conductivity		509	umho/cm			
Depth to Water		36.18	ft			
Dissolved Oxygen		4.36	mg/L			
Dissolved Solids	UX	500	mg/L		500	EPA-160.1
pH		6.3	Std Unit			
Redox		258	mV			
Suspended Solids	UX	25	mg/L		25	EPA-160.2
Temperature		63.7	deg F			
Total Solids	X	336	mg/L		150	EPA-160.3

\*QUALIFIER Codes See attached List.

**MW387**

**20316**

Turbidity 18.8 NTU

**PCCB**

PCB, Total	UY	0.00018	mg/L	0.0002	SW846-8082
PCB-1016	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1221	U	0.00018	mg/L	0.0002	SW846-8082
PCB-1232	U	0.00014	mg/L	0.0001	SW846-8082
PCB-1242	U	0.0001	mg/L	0.0001	SW846-8082
PCB-1248	U	0.00012	mg/L	0.0001	SW846-8082
PCB-1254	U	0.00007	mg/L	7E-05	SW846-8082
PCB-1260	U	0.00005	mg/L	5E-05	SW846-8082
PCB-1268	U	0.00009	mg/L	9E-05	SW846-8082

**RADS**

Alpha activity	U	0.947	pCi/L	0.37	7.8	SW846-9310
Beta activity		83.2	pCi/L	6.63	4.66	SW846-9310
Iodine-131	U	0.00492	pCi/L	0.0098	2.08	RL-7124
Radium	U	0.128	pCi/L	0.11	0.74	RL-7113
Radium-224	U	0	pCi/L	0	0.17	RL-7129
Radium-226	U	0.0997	pCi/L	0.1	0.24	RL-7129
Radium-228	U	2.81	pCi/L	0.54	3.74	RL-7129
Strontium-90	U	0.0179	pCi/L	0.0028	1.52	RL-7140
Technetium-99		126	pCi/L	17.5	19.4	RL-7100
Thorium-230	U	0.0248	pCi/L	0.06	0.52	RL-7128
Tritium	U	-200	pCi/L	162	275	704R7

**SVOA**

1,2-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260

**VOA**

1,1,1,2-Tetrachloroethane	JU	0.005	mg/L	0.005	SW846-8260
1,1,1-Trichloroethane	JU	0.005	mg/L	0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.0002	mg/L	0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	0.005	SW846-8260
2-Butanone	U	0.01	mg/L	0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L	0.01	SW846-8260
2-Hexanone	U	0.01	mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L	0.01	SW846-8260
Acetone	JU	0.01	mg/L	0.01	SW846-8260
Acrolein	JU	0.01	mg/L	0.01	SW846-8260
Acrylonitrile	JU	0.01	mg/L	0.01	SW846-8260
Benzene	U	0.005	mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromodichloromethane	JU	0.005	mg/L	0.005	SW846-8260
Bromoform	U	0.005	mg/L	0.005	SW846-8260
Bromomethane	U	0.005	mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L	0.005	SW846-8260
Chloroethane	U	0.005	mg/L	0.005	SW846-8260
Chloroform	U	0.005	mg/L	0.005	SW846-8260

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## MW387

### 20316

Chloromethane	U	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	JU	0.005 mg/L	0.005	SW846-8260
Dibromomethane	U	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005 mg/L	0.005	SW846-8260
Ethanol	U	0.25 mg/L	0.25	SW846-8015
Ethyl methacrylate	U	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	U	0.005 mg/L	0.005	SW846-8260
Methylene chloride	U	0.005 mg/L	0.005	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	JU	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	JU	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene		0.0011 mg/L	0.001	SW846-8260
Trichlorofluoromethane	JU	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	UX	25 mg/L	25	EPA-410.4 1978
Cyanide	JU	0.05 mg/L	0.05	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.01 mg/L	0.01	SW846-9020B

# Paducah-OREIS Data Report

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**MW388**

**20316**

**MW388SG4-05**

Collected: 7/12/2005

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	5	mg/L		5	SW846-9056
Chloride		39	mg/L		1	SW846-9056
Fluoride		0.24	mg/L		0.1	9214
Nitrate as Nitrogen		1.8	mg/L		1	SW846-9056
Sulfate		15	mg/L		1	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic		0.00132	mg/L		0.001	SW846-6020
Barium		0.185	mg/L		0.005	SW846-6020
Barium, Dissolved	B	0.192	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	BU	0.2	mg/L		0.2	SW846-6010A
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		24.7	mg/L		1	SW846-6010A
Chromium	UX	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	UX	0.02	mg/L		0.02	SW846-6020
Cobalt	UX	0.001	mg/L		0.001	SW846-6020
Copper	U	0.02	mg/L		0.02	SW846-6020
Iron	U	0.1	mg/L		0.1	SW846-6010A
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		10.5	mg/L		0.02	SW846-6010A
Manganese	UX	0.005	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	U	0.001	mg/L		0.001	SW846-6020
Nickel	BUX	0.005	mg/L		0.005	SW846-6020
Potassium		1.85	mg/L		0.2	SW846-6010A
Rhodium	U	0.005	mg/L		0.005	SW846-6020
Selenium		0.00562	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		39.4	mg/L		1	SW846-6010A
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	BU	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.71	Inches/Hg			
<b>PHYSC</b>						
Conductivity		389	umho/cm			
Depth to Water		35.99	ft			
Dissolved Oxygen		4.29	mg/L			
Dissolved Solids	UX	500	mg/L		500	EPA-160.1
pH		6.16	Std Unit			
Redox		257	mV			
Suspended Solids	UX	25	mg/L		25	EPA-160.2
Temperature		63.5	deg F			
Total Solids	X	249	mg/L		150	EPA-160.3



# Paducah-OREIS Data Report

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## MW388

### 20316

Turbidity 6.9 NTU

#### PCCB

PCB, Total	UY	0.00018	mg/L	0.0002	SW846-8082
PCB-1016	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1221	U	0.00018	mg/L	0.0002	SW846-8082
PCB-1232	U	0.00014	mg/L	0.0001	SW846-8082
PCB-1242	U	0.0001	mg/L	0.0001	SW846-8082
PCB-1248	U	0.00012	mg/L	0.0001	SW846-8082
PCB-1254	U	0.00007	mg/L	7E-05	SW846-8082
PCB-1260	U	0.00005	mg/L	5E-05	SW846-8082
PCB-1268	U	0.00009	mg/L	9E-05	SW846-8082

#### RADS

Alpha activity	U	1.31	pCi/L	0.61	6.94	SW846-9310
Beta activity		35	pCi/L	4.06	4.5	SW846-9310
Iodine-131	U	-1.8	pCi/L	3.6	9.98	RL-7124
Radium	U	0.0405	pCi/L	0.12	0.79	RL-7113
Radium-224	U	0.0185	pCi/L	0.1	0.27	RL-7129
Radium-226		0.284	pCi/L	0.2	0.27	RL-7129
Radium-228	U	-0.35	pCi/L	0.06	7.46	RL-7129
Strontium-90	U	-0.343	pCi/L	0.05	1.56	RL-7140
Technetium-99		47.6	pCi/L	15.4	19.4	RL-7100
Thorium-230	U	0.0604	pCi/L	0.08	0.53	RL-7128
Tritium	U	-92.6	pCi/L	164	275	704R7

#### SVOA

1,2-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260

#### VOA

1,1,1,2-Tetrachloroethane	JU	0.005	mg/L	0.005	SW846-8260
1,1,1-Trichloroethane	JU	0.005	mg/L	0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.0002	mg/L	0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	0.005	SW846-8260
2-Butanone	U	0.01	mg/L	0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L	0.01	SW846-8260
2-Hexanone	U	0.01	mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L	0.01	SW846-8260
Acetone	JU	0.01	mg/L	0.01	SW846-8260
Acrolein	JU	0.01	mg/L	0.01	SW846-8260
Acrylonitrile	JU	0.01	mg/L	0.01	SW846-8260
Benzene	U	0.005	mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromodichloromethane	JU	0.005	mg/L	0.005	SW846-8260
Bromoform	U	0.005	mg/L	0.005	SW846-8260
Bromomethane	U	0.005	mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L	0.005	SW846-8260
Chloroethane	U	0.005	mg/L	0.005	SW846-8260
Chloroform	U	0.005	mg/L	0.005	SW846-8260

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## MW388

### 20316

Chloromethane	U	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	JU	0.005 mg/L	0.005	SW846-8260
Dibromomethane	U	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005 mg/L	0.005	SW846-8260
Ethanol	U	0.25 mg/L	0.25	SW846-8015
Ethyl methacrylate	U	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	U	0.005 mg/L	0.005	SW846-8260
Methylene chloride	U	0.005 mg/L	0.005	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	JU	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	JU	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene		0.0012 mg/L	0.001	SW846-8260
Trichlorofluoromethane	JU	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	BU	25 mg/L	25	EPA-410.4 1978
Cyanide	JU	0.05 mg/L	0.05	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.01 mg/L	0.01	SW846-9020B

# Paducah-OREIS Data Report

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**MW388**  
**20316**  
**MW388DSG4-05**

Collected: 7/12/2005

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	5	mg/L		5	SW846-9056
Chloride		39	mg/L		1	SW846-9056
Fluoride		0.26	mg/L		0.1	9214
Nitrate as Nitrogen		1.8	mg/L		1	SW846-9056
Sulfate		15	mg/L		1	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic		0.00135	mg/L		0.001	SW846-6020
Barium		0.187	mg/L		0.005	SW846-6020
Barium, Dissolved	B	0.193	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	BU	0.2	mg/L		0.2	SW846-6010A
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		24.1	mg/L		1	SW846-6010A
Chromium	UX	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	UX	0.02	mg/L		0.02	SW846-6020
Cobalt	UX	0.001	mg/L		0.001	SW846-6020
Copper	U	0.02	mg/L		0.02	SW846-6020
Iron	U	0.1	mg/L		0.1	SW846-6010A
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		10.2	mg/L		0.02	SW846-6010A
Manganese	UX	0.005	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	U	0.001	mg/L		0.001	SW846-6020
Nickel	BUX	0.005	mg/L		0.005	SW846-6020
Potassium		1.65	mg/L		0.2	SW846-6010A
Rhodium	U	0.005	mg/L		0.005	SW846-6020
Selenium		0.00553	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		38.9	mg/L		1	SW846-6010A
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	BU	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.71	Inches/Hg			
<b>PHYSC</b>						
Conductivity		389	umho/cm			
Depth to Water		35.99	ft			
Dissolved Oxygen		4.29	mg/L			
Dissolved Solids	UX	500	mg/L		500	EPA-160.1
pH		6.16	Std Unit			
Redox		257	mV			
Suspended Solids	UX	25	mg/L		25	EPA-160.2
Temperature		63.5	deg F			
Total Solids	X	257	mg/L		150	EPA-160.3

**MW388**

**20316**

Turbidity 6.9 NTU

**PCCB**

PCB, Total	UY	0.00018	mg/L	0.0002	SW846-8082
PCB-1016	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1221	U	0.00018	mg/L	0.0002	SW846-8082
PCB-1232	U	0.00014	mg/L	0.0001	SW846-8082
PCB-1242	U	0.0001	mg/L	0.0001	SW846-8082
PCB-1248	U	0.00012	mg/L	0.0001	SW846-8082
PCB-1254	U	0.00007	mg/L	7E-05	SW846-8082
PCB-1260	U	0.00005	mg/L	5E-05	SW846-8082
PCB-1268	U	0.00009	mg/L	9E-05	SW846-8082

**RADS**

Alpha activity	U	0.602	pCi/L	0.28	7.01	SW846-9310
Beta activity		43.4	pCi/L	4.58	4.52	SW846-9310
Iodine-131	U	0.577	pCi/L	1.15	4.85	RL-7124
Radium	U	0.243	pCi/L	0.12	0.79	RL-7113
Radium-224	U	0.027	pCi/L	0.05	0.24	RL-7129
Radium-226	U	0.244	pCi/L	0.16	0.24	RL-7129
Radium-228	U	1.82	pCi/L	0.35	2.67	RL-7129
Strontium-90	U	-0.628	pCi/L	0.11	1.49	RL-7140
Technetium-99		54.5	pCi/L	15.6	19.4	RL-7100
Thorium-230	UT	0.242	pCi/L	0.25	0.63	RL-7128
Tritium	U	-179	pCi/L	162	275	704R7

**SVOA**

1,2-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260

**VOA**

1,1,1,2-Tetrachloroethane	JU	0.005	mg/L	0.005	SW846-8260
1,1,1-Trichloroethane	JU	0.005	mg/L	0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.0002	mg/L	0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	0.005	SW846-8260
2-Butanone	U	0.01	mg/L	0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L	0.01	SW846-8260
2-Hexanone	U	0.01	mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L	0.01	SW846-8260
Acetone	JU	0.01	mg/L	0.01	SW846-8260
Acrolein	JU	0.01	mg/L	0.01	SW846-8260
Acrylonitrile	JU	0.01	mg/L	0.01	SW846-8260
Benzene	U	0.005	mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromodichloromethane	JU	0.005	mg/L	0.005	SW846-8260
Bromoform	U	0.005	mg/L	0.005	SW846-8260
Bromomethane	U	0.005	mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L	0.005	SW846-8260
Chloroethane	U	0.005	mg/L	0.005	SW846-8260
Chloroform	U	0.005	mg/L	0.005	SW846-8260

# Paducah-OREIS Data Report

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## MW388

### 20316

Chloromethane	U	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	JU	0.005 mg/L	0.005	SW846-8260
Dibromomethane	U	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005 mg/L	0.005	SW846-8260
Ethanol	U	0.25 mg/L	0.25	SW846-8015
Ethyl methacrylate	U	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	U	0.005 mg/L	0.005	SW846-8260
Methylene chloride	U	0.005 mg/L	0.005	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	JU	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	JU	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene		0.0011 mg/L	0.001	SW846-8260
Trichlorofluoromethane	JU	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	BU	25 mg/L	25	EPA-410.4 1978
Cyanide	JU	0.05 mg/L	0.05	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.01 mg/L	0.01	SW846-9020B

# Paducah-OREIS Data Report

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**MW390**  
**20316**  
**MW390SG4-05**

Collected: 7/13/2005

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	5	mg/L		5	SW846-9056
Chloride		242	mg/L		10	SW846-9056
Fluoride		0.24	mg/L		0.1	9214
Nitrate as Nitrogen		1.6	mg/L		1	SW846-9056
Sulfate		13	mg/L		1	SW846-9056
<b>METAL</b>						
Aluminum		3.53	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic		0.00462	mg/L		0.001	SW846-6020
Barium		0.469	mg/L		0.005	SW846-6020
Barium, Dissolved	B	0.466	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	BU	0.2	mg/L		0.2	SW846-6010A
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		64.6	mg/L		1	SW846-6010A
Chromium	UX	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	UX	0.02	mg/L		0.02	SW846-6020
Cobalt	X	0.00141	mg/L		0.001	SW846-6020
Copper	U	0.02	mg/L		0.02	SW846-6020
Iron		1.87	mg/L		0.1	SW846-6010A
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		27.1	mg/L		0.02	SW846-6010A
Manganese	X	0.0074	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum		0.00221	mg/L		0.001	SW846-6020
Nickel	BX	0.00783	mg/L		0.005	SW846-6020
Potassium		0.869	mg/L		0.2	SW846-6010A
Rhodium	U	0.005	mg/L		0.005	SW846-6020
Selenium	B	0.0186	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		121	mg/L		1	SW846-6010A
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	BU	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.87	Inches/Hg			
<b>PHYSC</b>						
Conductivity		1159	umho/cm			
Depth to Water		33.25	ft			
Dissolved Oxygen		3.25	mg/L			
Dissolved Solids	X	658	mg/L		500	EPA-160.1
pH		6.23	Std Unit			
Redox		251	mV			
Suspended Solids	UX	25	mg/L		25	EPA-160.2
Temperature		63.3	deg F			
Total Solids	X	676	mg/L		150	EPA-160.3

**MW390**

**20316**

Turbidity 9.1 NTU

**PCCB**

PCB, Total	UY	0.00018	mg/L	0.0002	SW846-8082
PCB-1016	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1221	U	0.00018	mg/L	0.0002	SW846-8082
PCB-1232	U	0.00014	mg/L	0.0001	SW846-8082
PCB-1242	U	0.0001	mg/L	0.0001	SW846-8082
PCB-1248	U	0.00012	mg/L	0.0001	SW846-8082
PCB-1254	U	0.00007	mg/L	7E-05	SW846-8082
PCB-1260	U	0.00005	mg/L	5E-05	SW846-8082
PCB-1268	U	0.00009	mg/L	9E-05	SW846-8082

**RADS**

Alpha activity	U	-2.72	pCi/L	1.64	14.1	SW846-9310
Beta activity		46.6	pCi/L	5.74	6.91	SW846-9310
Iodine-131	U	0.827	pCi/L	1.65	12.7	RL-7124
Radium	U	-0.141	pCi/L	0	0.74	RL-7113
Radium-224	U	-0.0373	pCi/L	0.03	0.22	RL-7129
Radium-226	U	0.306	pCi/L	0.22	0.32	RL-7129
Radium-228		6.08	pCi/L	1.11	5.69	RL-7129
Strontium-90	U	-0.86	pCi/L	0.15	1.6	RL-7140
Technetium-99		70.2	pCi/L	16	19.4	RL-7100
Thorium-230	U	0.0714	pCi/L	0.13	0.55	RL-7128
Tritium	U	-46.3	pCi/L	164	275	704R7

**SVOA**

1,2-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260

**VOA**

1,1,1,2-Tetrachloroethane	JU	0.005	mg/L	0.005	SW846-8260
1,1,1-Trichloroethane	JU	0.005	mg/L	0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.0002	mg/L	0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	0.005	SW846-8260
2-Butanone	U	0.01	mg/L	0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L	0.01	SW846-8260
2-Hexanone	U	0.01	mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L	0.01	SW846-8260
Acetone	JU	0.01	mg/L	0.01	SW846-8260
Acrolein	JU	0.01	mg/L	0.01	SW846-8260
Acrylonitrile	JU	0.01	mg/L	0.01	SW846-8260
Benzene	U	0.005	mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromodichloromethane	JU	0.005	mg/L	0.005	SW846-8260
Bromoform	U	0.005	mg/L	0.005	SW846-8260
Bromomethane	U	0.005	mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L	0.005	SW846-8260
Chloroethane	U	0.005	mg/L	0.005	SW846-8260
Chloroform	U	0.005	mg/L	0.005	SW846-8260

**MW390****20316**

Chloromethane	U	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	JU	0.005 mg/L	0.005	SW846-8260
Dibromomethane	U	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005 mg/L	0.005	SW846-8260
Ethanol	U	0.25 mg/L	0.25	SW846-8015
Ethyl methacrylate	U	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	U	0.005 mg/L	0.005	SW846-8260
Methylene chloride	U	0.005 mg/L	0.005	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	JU	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	JU	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	JU	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	UX	25 mg/L	25	EPA-410.4 1978
Cyanide	JU	0.05 mg/L	0.05	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		2.6 mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.0149 mg/L	0.01	SW846-9020B



# Paducah-OREIS Data Report

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**MW391**

**20316**

**MW391SG4-05**

Collected: 7/14/2005

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	5	mg/L		5	SW846-9056
Chloride		44	mg/L		1	SW846-9056
Fluoride		0.17	mg/L		0.1	9214
Nitrate as Nitrogen		1	mg/L		1	SW846-9056
Sulfate		11	mg/L		1	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic		0.00104	mg/L		0.001	SW846-6020
Barium		0.223	mg/L		0.005	SW846-6020
Barium, Dissolved	B	0.232	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	BU	0.2	mg/L		0.2	SW846-6010A
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		25	mg/L		1	SW846-6010A
Chromium	UX	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	UX	0.02	mg/L		0.02	SW846-6020
Cobalt	UX	0.001	mg/L		0.001	SW846-6020
Copper	U	0.02	mg/L		0.02	SW846-6020
Iron		0.585	mg/L		0.1	SW846-6010A
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		10	mg/L		0.02	SW846-6010A
Manganese	X	0.00761	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	U	0.001	mg/L		0.001	SW846-6020
Nickel	BUX	0.005	mg/L		0.005	SW846-6020
Potassium		1.34	mg/L		0.2	SW846-6010A
Rhodium	U	0.005	mg/L		0.005	SW846-6020
Selenium	B	0.00532	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		31.1	mg/L		1	SW846-6010A
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	BU	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.77	Inches/Hg			
<b>PHYSC</b>						
Conductivity		351	umho/cm			
Depth to Water		39.45	ft			
Dissolved Oxygen		3.98	mg/L			
Dissolved Solids	UX	500	mg/L		500	EPA-160.1
pH		6.2	Std Unit			
Redox		263	mV			
Suspended Solids	UX	25	mg/L		25	EPA-160.2
Temperature		65.8	deg F			
Total Solids	X	388	mg/L		150	EPA-160.3

\*QUALIFIER Codes See attached List.

**MW391**

**20316**

Turbidity 3.4 NTU

**PCCB**

PCB, Total	UY	0.00018	mg/L	0.0002	SW846-8082
PCB-1016	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1221	U	0.00018	mg/L	0.0002	SW846-8082
PCB-1232	U	0.00014	mg/L	0.0001	SW846-8082
PCB-1242	U	0.0001	mg/L	0.0001	SW846-8082
PCB-1248	U	0.00012	mg/L	0.0001	SW846-8082
PCB-1254	U	0.00007	mg/L	7E-05	SW846-8082
PCB-1260	U	0.00005	mg/L	5E-05	SW846-8082
PCB-1268	U	0.00009	mg/L	9E-05	SW846-8082

**RADS**

Alpha activity	U	1.38	pCi/L	0.79	6.47	SW846-9310
Beta activity	U	2.95	pCi/L	0.73	4.42	SW846-9310
Iodine-131	U	-3.19	pCi/L	6.39	11.3	RL-7124
Radium	U	0.0613	pCi/L	0.11	0.74	RL-7113
Radium-224	U	0.0504	pCi/L	0.09	0.18	RL-7129
Radium-226	U	0.119	pCi/L	0.12	0.28	RL-7129
Radium-228	U	0.158	pCi/L	0.03	6.52	RL-7129
Strontium-90	U	-0.243	pCi/L	0.03	1.53	RL-7140
Technetium-99	U	3.58	pCi/L	13.3	18.3	RL-7100
Thorium-230	UT	-0.282	pCi/L	0.32	1.77	RL-7128
Tritium	U	-61	pCi/L	164	275	704R7

**SVOA**

1,2-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260

**VOA**

1,1,1,2-Tetrachloroethane	JU	0.005	mg/L	0.005	SW846-8260
1,1,1-Trichloroethane	JU	0.005	mg/L	0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.0002	mg/L	0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	0.005	SW846-8260
2-Butanone	U	0.01	mg/L	0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L	0.01	SW846-8260
2-Hexanone	U	0.01	mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L	0.01	SW846-8260
Acetone	JU	0.01	mg/L	0.01	SW846-8260
Acrolein	JU	0.01	mg/L	0.01	SW846-8260
Acrylonitrile	JU	0.01	mg/L	0.01	SW846-8260
Benzene	U	0.005	mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromodichloromethane	JU	0.005	mg/L	0.005	SW846-8260
Bromoform	U	0.005	mg/L	0.005	SW846-8260
Bromomethane	U	0.005	mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L	0.005	SW846-8260
Chloroethane	U	0.005	mg/L	0.005	SW846-8260
Chloroform	U	0.005	mg/L	0.005	SW846-8260

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## MW391

### 20316

Chloromethane	U	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	JU	0.005 mg/L	0.005	SW846-8260
Dibromomethane	U	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005 mg/L	0.005	SW846-8260
Ethanol	U	0.25 mg/L	0.25	SW846-8015
Ethyl methacrylate	U	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	U	0.005 mg/L	0.005	SW846-8260
Methylene chloride	U	0.005 mg/L	0.005	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	JU	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	JU	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene		0.014 mg/L	0.001	SW846-8260
Trichlorofluoromethane	JU	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	UX	25 mg/L	25	EPA-410.4 1978
Cyanide	JU	0.05 mg/L	0.05	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.0139 mg/L	0.01	SW846-9020B

# Paducah-OREIS Data Report

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**MW392**

**20316**

**MW392SG4-05**

Collected: 7/14/2005

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	5	mg/L		5	SW846-9056
Chloride		44	mg/L		1	SW846-9056
Fluoride		0.27	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		9.3	mg/L		1	SW846-9056
<b>METAL</b>						
Aluminum		0.974	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic		0.00352	mg/L		0.001	SW846-6020
Barium		0.267	mg/L		0.005	SW846-6020
Barium, Dissolved	B	0.284	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	BU	0.2	mg/L		0.2	SW846-6010A
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		25	mg/L		1	SW846-6010A
Chromium	UX	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	UX	0.02	mg/L		0.02	SW846-6020
Cobalt	X	0.0353	mg/L		0.001	SW846-6020
Copper	U	0.02	mg/L		0.02	SW846-6020
Iron		5.16	mg/L		0.1	SW846-6010A
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		9.92	mg/L		0.02	SW846-6010A
Manganese	X	4.59	mg/L		0.05	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum		0.00187	mg/L		0.001	SW846-6020
Nickel	BX	0.0107	mg/L		0.005	SW846-6020
Potassium		1.72	mg/L		0.2	SW846-6010A
Rhodium	U	0.005	mg/L		0.005	SW846-6020
Selenium	B	0.0052	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		38.1	mg/L		1	SW846-6010A
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	B	0.0381	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.77	Inches/Hg			
<b>PHYSC</b>						
Conductivity		439	umho/cm			
Depth to Water		38.59	ft			
Dissolved Oxygen		2.84	mg/L			
Dissolved Solids	UX	500	mg/L		500	EPA-160.1
pH		4	Std Unit			
Redox		272	mV			
Suspended Solids	UX	25	mg/L		25	EPA-160.2
Temperature		65	deg F			
Total Solids	X	499	mg/L		150	EPA-160.3

# Paducah-OREIS Data Report

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## MW392

### 20316

Turbidity 13.4 NTU

#### PCCB

PCB, Total	UY	0.00018	mg/L	0.0002	SW846-8082
PCB-1016	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1221	U	0.00018	mg/L	0.0002	SW846-8082
PCB-1232	U	0.00014	mg/L	0.0001	SW846-8082
PCB-1242	U	0.0001	mg/L	0.0001	SW846-8082
PCB-1248	U	0.00012	mg/L	0.0001	SW846-8082
PCB-1254	U	0.00007	mg/L	7E-05	SW846-8082
PCB-1260	U	0.00005	mg/L	5E-05	SW846-8082
PCB-1268	U	0.00009	mg/L	9E-05	SW846-8082

#### RADS

Alpha activity	U	0.607	pCi/L	0.38	6.9	SW846-9310
Beta activity	U	3	pCi/L	0.75	4.49	SW846-9310
Iodine-131	U	0.32	pCi/L	0.64	1.68	RL-7124
Radium	U	-0.11	pCi/L	0	0.74	RL-7113
Radium-224	U	0.00934	pCi/L	0.07	0.18	RL-7129
Radium-226		0.311	pCi/L	0.21	0.27	RL-7129
Radium-228	U	-4.14	pCi/L	1.06	3.88	RL-7129
Strontium-90	U	-0.175	pCi/L	0.02	1.55	RL-7140
Technetium-99	U	6.82	pCi/L	13.4	18.3	RL-7100
Thorium-230	UT	-0.0619	pCi/L	0	0.93	RL-7128
Tritium	U	-147	pCi/L	163	275	704R7

#### SVOA

1,2-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260

#### VOA

1,1,1,2-Tetrachloroethane	JU	0.005	mg/L	0.005	SW846-8260
1,1,1-Trichloroethane	JU	0.005	mg/L	0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.0002	mg/L	0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	0.005	SW846-8260
2-Butanone	U	0.01	mg/L	0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L	0.01	SW846-8260
2-Hexanone	U	0.01	mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L	0.01	SW846-8260
Acetone	JU	0.01	mg/L	0.01	SW846-8260
Acrolein	JU	0.01	mg/L	0.01	SW846-8260
Acrylonitrile	JU	0.01	mg/L	0.01	SW846-8260
Benzene	U	0.005	mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromodichloromethane	JU	0.005	mg/L	0.005	SW846-8260
Bromoform	U	0.005	mg/L	0.005	SW846-8260
Bromomethane	U	0.005	mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L	0.005	SW846-8260
Chloroethane	U	0.005	mg/L	0.005	SW846-8260
Chloroform	U	0.005	mg/L	0.005	SW846-8260

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## MW392

### 20316

Chloromethane	U	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	JU	0.005 mg/L	0.005	SW846-8260
Dibromomethane	U	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005 mg/L	0.005	SW846-8260
Ethanol	U	0.25 mg/L	0.25	SW846-8015
Ethyl methacrylate	U	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	U	0.005 mg/L	0.005	SW846-8260
Methylene chloride	U	0.005 mg/L	0.005	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	JU	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	JU	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene		0.011 mg/L	0.001	SW846-8260
Trichlorofluoromethane	JU	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	X	250 mg/L	125	EPA-410.4 1978
Cyanide	JU	0.05 mg/L	0.05	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	D	119.1 mg/L	25	SW846-9060
Total Organic Halides (TOX)		0.0162 mg/L	0.01	SW846-9020B

# Paducah-OREIS Data Report

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**MW393**  
**20316**  
**MW393SG4-05**

Collected: 7/12/2005

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	5	mg/L		5	SW846-9056
Chloride		21	mg/L		1	SW846-9056
Fluoride		0.16	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		8.4	mg/L		1	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic		0.00281	mg/L		0.001	SW846-6020
Barium		0.107	mg/L		0.005	SW846-6020
Barium, Dissolved	B	0.107	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	BU	0.2	mg/L		0.2	SW846-6010A
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		12.3	mg/L		1	SW846-6010A
Chromium	UX	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	UX	0.02	mg/L		0.02	SW846-6020
Cobalt	UX	0.001	mg/L		0.001	SW846-6020
Copper	U	0.02	mg/L		0.02	SW846-6020
Iron		7.16	mg/L		0.1	SW846-6010A
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		3.98	mg/L		0.02	SW846-6010A
Manganese	X	0.0406	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	U	0.001	mg/L		0.001	SW846-6020
Nickel	BUX	0.005	mg/L		0.005	SW846-6020
Potassium	U	0.2	mg/L		0.2	SW846-6010A
Rhodium	U	0.005	mg/L		0.005	SW846-6020
Selenium	BU	0.005	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		81.5	mg/L		1	SW846-6010A
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	BU	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.71	Inches/Hg			
<b>PHYSC</b>						
Conductivity		459	umho/cm			
Depth to Water		24.9	ft			
Dissolved Oxygen		2.07	mg/L			
Dissolved Solids	UX	500	mg/L		500	EPA-160.1
pH		6.3	Std Unit			
Redox		51	mV			
Suspended Solids	UX	33	mg/L		33	EPA-160.2
Temperature		66.1	deg F			
Total Solids	X	354	mg/L		150	EPA-160.3

\*QUALIFIER Codes See attached List.

**MW393**

**20316**

Turbidity 17 NTU

**PCCB**

PCB, Total	UY	0.00018	mg/L	0.0002	SW846-8082
PCB-1016	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1221	U	0.00018	mg/L	0.0002	SW846-8082
PCB-1232	U	0.00014	mg/L	0.0001	SW846-8082
PCB-1242	U	0.0001	mg/L	0.0001	SW846-8082
PCB-1248	U	0.00012	mg/L	0.0001	SW846-8082
PCB-1254	U	0.00007	mg/L	7E-05	SW846-8082
PCB-1260	U	0.00005	mg/L	5E-05	SW846-8082
PCB-1268	U	0.00009	mg/L	9E-05	SW846-8082

**RADS**

Alpha activity	U	-2.33	pCi/L	2.33	8.56	SW846-9310
Beta activity	U	1.75	pCi/L	0.47	4.79	SW846-9310
Iodine-131	U	0.906	pCi/L	1.81	6.91	RL-7124
Radium	U	0.0153	pCi/L	0.11	0.79	RL-7113
Radium-224	U	-0.0069	pCi/L	0.01	0.29	RL-7129
Radium-226	U	0.0011	pCi/L	0.06	0.27	RL-7129
Radium-228	U	2.04	pCi/L	0.4	3.22	RL-7129
Strontium-90	U	-0.254	pCi/L	0.04	1.63	RL-7140
Technetium-99	U	-7.01	pCi/L	13.7	19.4	RL-7100
Thorium-230	U	0.0763	pCi/L	0.08	0.53	RL-7128
Tritium	U	-131	pCi/L	163	275	704R7

**SVOA**

1,2-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260

**VOA**

1,1,1,2-Tetrachloroethane	JU	0.005	mg/L	0.005	SW846-8260
1,1,1-Trichloroethane	JU	0.005	mg/L	0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dibromo-3-chloropropane	UY	0.0002	mg/L	0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	0.005	SW846-8260
2-Butanone	U	0.01	mg/L	0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L	0.01	SW846-8260
2-Hexanone	U	0.01	mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L	0.01	SW846-8260
Acetone	JU	0.01	mg/L	0.01	SW846-8260
Acrolein	JU	0.01	mg/L	0.01	SW846-8260
Acrylonitrile	JU	0.01	mg/L	0.01	SW846-8260
Benzene	U	0.005	mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromodichloromethane	JU	0.005	mg/L	0.005	SW846-8260
Bromoform	U	0.005	mg/L	0.005	SW846-8260
Bromomethane	U	0.005	mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L	0.005	SW846-8260
Chloroethane	U	0.005	mg/L	0.005	SW846-8260
Chloroform	U	0.005	mg/L	0.005	SW846-8260



# Paducah-OREIS Data Report

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## MW393

### 20316

Chloromethane	U	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	JU	0.005 mg/L	0.005	SW846-8260
Dibromomethane	U	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005 mg/L	0.005	SW846-8260
Ethanol	U	0.25 mg/L	0.25	SW846-8015
Ethyl methacrylate	U	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	U	0.005 mg/L	0.005	SW846-8260
Methylene chloride	U	0.005 mg/L	0.005	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	JU	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	JU	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	JU	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	B	29 mg/L	25	EPA-410.4 1978
Cyanide	JU	0.05 mg/L	0.05	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		6.7 mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.0527 mg/L	0.01	SW846-9020B

# Paducah-OREIS Data Report

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12/18/2007

**MW394**  
**20316**  
**MW394SG4-05**

Collected: 7/11/2005

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	5	mg/L		5	SW846-9056
Chloride		58	mg/L		5	SW846-9056
Fluoride		0.15	mg/L		0.1	9214
Nitrate as Nitrogen		1.5	mg/L		1	SW846-9056
Sulfate		9.1	mg/L		1	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic	U	0.001	mg/L		0.001	SW846-6020
Barium		0.256	mg/L		0.005	SW846-6020
Barium, Dissolved		0.258	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	BU	0.2	mg/L		0.2	SW846-6010A
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		30.5	mg/L		1	SW846-6010A
Chromium	UX	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	UX	0.02	mg/L		0.02	SW846-6020
Cobalt	UX	0.001	mg/L		0.001	SW846-6020
Copper	U	0.02	mg/L		0.02	SW846-6020
Iron		0.168	mg/L		0.1	SW846-6010A
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		12.6	mg/L		0.02	SW846-6010A
Manganese	X	0.0256	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	U	0.001	mg/L		0.001	SW846-6020
Nickel	BUX	0.005	mg/L		0.005	SW846-6020
Potassium		1.13	mg/L		0.2	SW846-6010A
Rhodium	U	0.005	mg/L		0.005	SW846-6020
Selenium	U	0.005	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		32.8	mg/L		1	SW846-6010A
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	BU	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.77	Inches/Hg			
<b>PHYSC</b>						
Conductivity		417	umho/cm			
Depth to Water		50.79	ft			
Dissolved Oxygen		4.2	mg/L			
Dissolved Solids	U	500	mg/L		500	EPA-160.1
pH		6.16	Std Unit			
Redox		220	mV			
Suspended Solids	U	17	mg/L		17	EPA-160.2
Temperature		62.7	deg F			
Total Solids		265	mg/L		150	EPA-160.3

**MW394**

**20316**

Turbidity 9.6 NTU

**PCCB**

PCB, Total	UY	0.00018	mg/L	0.0002	SW846-8082
PCB-1016	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1221	U	0.00018	mg/L	0.0002	SW846-8082
PCB-1232	U	0.00014	mg/L	0.0001	SW846-8082
PCB-1242	U	0.0001	mg/L	0.0001	SW846-8082
PCB-1248	U	0.00012	mg/L	0.0001	SW846-8082
PCB-1254	U	0.00007	mg/L	7E-05	SW846-8082
PCB-1260	U	0.00005	mg/L	5E-05	SW846-8082
PCB-1268	U	0.00009	mg/L	9E-05	SW846-8082

**RADS**

Alpha activity	U	-2.44	pCi/L	2.82	6.51	SW846-9310
Beta activity		4.71	pCi/L	1.07	4.43	SW846-9310
Iodine-131	U	0.261	pCi/L	0.52	13.4	RL-7124
Radium	U	0.00329	pCi/L	0.0033	0.79	RL-7113
Radium-224	U	0.0466	pCi/L	0.09	0.18	RL-7129
Radium-226	U	0	pCi/L	0	0.25	RL-7129
Radium-228	U	0.454	pCi/L	0.07	3.45	RL-7129
Strontium-90	U	-0.491	pCi/L	0.08	1.55	RL-7140
Technetium-99	U	-0.222	pCi/L	15.3	19.4	RL-7100
Thorium-230	UT	0.127	pCi/L	0.35	0.89	RL-7128
Tritium	U	-65.3	pCi/L	164	275	704R7

**SVOA**

1,2-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260

**VOA**

1,1,1,2-Tetrachloroethane	JU	0.005	mg/L	0.005	SW846-8260
1,1,1-Trichloroethane	JU	0.005	mg/L	0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dibromo-3-chloropropane	UY	0.0002	mg/L	0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	0.005	SW846-8260
2-Butanone	U	0.01	mg/L	0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L	0.01	SW846-8260
2-Hexanone	U	0.01	mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L	0.01	SW846-8260
Acetone	JU	0.01	mg/L	0.01	SW846-8260
Acrolein	JU	0.01	mg/L	0.01	SW846-8260
Acrylonitrile	JU	0.01	mg/L	0.01	SW846-8260
Benzene	U	0.005	mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromodichloromethane	JU	0.005	mg/L	0.005	SW846-8260
Bromoform	U	0.005	mg/L	0.005	SW846-8260
Bromomethane	U	0.005	mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L	0.005	SW846-8260
Chloroethane	U	0.005	mg/L	0.005	SW846-8260
Chloroform	U	0.005	mg/L	0.005	SW846-8260

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## MW394

### 20316

Chloromethane	U	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	JU	0.005 mg/L	0.005	SW846-8260
Dibromomethane	U	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005 mg/L	0.005	SW846-8260
Ethanol	U	0.25 mg/L	0.25	SW846-8015
Ethyl methacrylate	U	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	U	0.005 mg/L	0.005	SW846-8260
Methylene chloride	U	0.005 mg/L	0.005	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	JU	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	JU	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene		0.017 mg/L	0.001	SW846-8260
Trichlorofluoromethane	JU	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	BU	25 mg/L	25	EPA-410.4 1978
Cyanide	JU	0.05 mg/L	0.05	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.0202 mg/L	0.01	SW846-9020B

# Paducah-OREIS Data Report

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**MW395**  
**20316**  
**MW395SG4-05**

Collected: 7/11/2005

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	5	mg/L		5	SW846-9056
Chloride		59	mg/L		1	SW846-9056
Fluoride		0.15	mg/L		0.1	9214
Nitrate as Nitrogen		1.9	mg/L		1	SW846-9056
Sulfate		8.6	mg/L		1	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic		0.00106	mg/L		0.001	SW846-6020
Barium		0.26	mg/L		0.005	SW846-6020
Barium, Dissolved	B	0.277	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	BU	0.2	mg/L		0.2	SW846-6010A
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		31.4	mg/L		1	SW846-6010A
Chromium	UX	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	UX	0.02	mg/L		0.02	SW846-6020
Cobalt	UX	0.001	mg/L		0.001	SW846-6020
Copper	U	0.02	mg/L		0.02	SW846-6020
Iron	U	0.1	mg/L		0.1	SW846-6010A
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		12.6	mg/L		0.02	SW846-6010A
Manganese	UX	0.005	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	U	0.001	mg/L		0.001	SW846-6020
Nickel	BUX	0.005	mg/L		0.005	SW846-6020
Potassium		1.43	mg/L		0.2	SW846-6010A
Rhodium	U	0.005	mg/L		0.005	SW846-6020
Selenium		0.00533	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		27.3	mg/L		1	SW846-6010A
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	BU	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.77	Inches/Hg			
<b>PHYSC</b>						
Conductivity		415	umho/cm			
Depth to Water		51.33	ft			
Dissolved Oxygen		3.69	mg/L			
Dissolved Solids	UX	500	mg/L		500	EPA-160.1
pH		6.11	Std Unit			
Redox		236	mV			
Suspended Solids	UX	25	mg/L		25	EPA-160.2
Temperature		62.4	deg F			
Total Solids	X	301	mg/L		150	EPA-160.3

**MW395**

**20316**

Turbidity 5.2 NTU

**PCCB**

PCB, Total	UY	0.00018	mg/L	0.0002	SW846-8082
PCB-1016	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1221	U	0.00018	mg/L	0.0002	SW846-8082
PCB-1232	U	0.00014	mg/L	0.0001	SW846-8082
PCB-1242	U	0.0001	mg/L	0.0001	SW846-8082
PCB-1248	U	0.00012	mg/L	0.0001	SW846-8082
PCB-1254	U	0.00007	mg/L	7E-05	SW846-8082
PCB-1260	U	0.00005	mg/L	5E-05	SW846-8082
PCB-1268	U	0.00009	mg/L	9E-05	SW846-8082

**RADS**

Alpha activity	U	1.21	pCi/L	0.7	6.28	SW846-9310
Beta activity		4.53	pCi/L	1.04	4.38	SW846-9310
Iodine-131	U	-1.95	pCi/L	3.9	13.9	RL-7124
Radium	U	0.0504	pCi/L	0.12	0.79	RL-7113
Radium-224	U	0.114	pCi/L	0.12	0.19	RL-7129
Radium-226	U	0.103	pCi/L	0.12	0.26	RL-7129
Radium-228	U	-0.532	pCi/L	0.1	3.78	RL-7129
Strontium-90	U	-0.284	pCi/L	0.04	1.58	RL-7140
Technetium-99	U	2.28	pCi/L	14	19.4	RL-7100
Thorium-230	UT	0.276	pCi/L	0.25	0.66	RL-7128
Tritium	U	-162	pCi/L	163	275	704R7

**SVOA**

1,2-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260

**VOA**

1,1,1,2-Tetrachloroethane	JU	0.005	mg/L	0.005	SW846-8260
1,1,1-Trichloroethane	JU	0.005	mg/L	0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dibromo-3-chloropropane	UY	0.0002	mg/L	0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	0.005	SW846-8260
2-Butanone	U	0.01	mg/L	0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L	0.01	SW846-8260
2-Hexanone	U	0.01	mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L	0.01	SW846-8260
Acetone	JU	0.01	mg/L	0.01	SW846-8260
Acrolein	JU	0.01	mg/L	0.01	SW846-8260
Acrylonitrile	JU	0.01	mg/L	0.01	SW846-8260
Benzene	U	0.005	mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromodichloromethane	JU	0.005	mg/L	0.005	SW846-8260
Bromoform	U	0.005	mg/L	0.005	SW846-8260
Bromomethane	U	0.005	mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L	0.005	SW846-8260
Chloroethane	U	0.005	mg/L	0.005	SW846-8260
Chloroform	U	0.005	mg/L	0.005	SW846-8260

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## MW395

### 20316

Chloromethane	U	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	JU	0.005 mg/L	0.005	SW846-8260
Dibromomethane	U	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005 mg/L	0.005	SW846-8260
Ethanol	U	0.25 mg/L	0.25	SW846-8015
Ethyl methacrylate	U	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	U	0.005 mg/L	0.005	SW846-8260
Methylene chloride	U	0.005 mg/L	0.005	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	JU	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	JU	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene		0.01 mg/L	0.001	SW846-8260
Trichlorofluoromethane	JU	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	BU	25 mg/L	25	EPA-410.4 1978
Cyanide	JU	0.05 mg/L	0.05	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.0136 mg/L	0.01	SW846-9020B

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**MW396**

**20316**

**MW396SG4-05**

Collected: 7/11/2005

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	5	mg/L		5	SW846-9056
Chloride		99	mg/L		5	SW846-9056
Fluoride		0.54	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		18	mg/L		1	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic		0.00275	mg/L		0.001	SW846-6020
Barium		0.325	mg/L		0.005	SW846-6020
Barium, Dissolved		0.329	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	BU	0.2	mg/L		0.2	SW846-6010A
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		42.9	mg/L		1	SW846-6010A
Chromium	UX	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	UX	0.02	mg/L		0.02	SW846-6020
Cobalt	X	0.00253	mg/L		0.001	SW846-6020
Copper	U	0.02	mg/L		0.02	SW846-6020
Iron		2.12	mg/L		0.1	SW846-6010A
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		18.2	mg/L		0.02	SW846-6010A
Manganese	X	0.628	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	U	0.001	mg/L		0.001	SW846-6020
Nickel	BUX	0.005	mg/L		0.005	SW846-6020
Potassium		1.15	mg/L		0.2	SW846-6010A
Rhodium	U	0.005	mg/L		0.005	SW846-6020
Selenium		0.0102	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		141	mg/L		1	SW846-6010A
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	BU	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.77	Inches/Hg			
<b>PHYSC</b>						
Conductivity		937	umho/cm			
Depth to Water		9.26	ft			
Dissolved Oxygen		0.83	mg/L			
Dissolved Solids		558	mg/L		500	EPA-160.1
pH		6.69	Std Unit			
Redox		117	mV			
Suspended Solids	U	17	mg/L		17	EPA-160.2
Temperature		64.4	deg F			
Total Solids		562	mg/L		150	EPA-160.3



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## MW396

### 20316

Turbidity 48.4 NTU

#### PPCB

PCB, Total	UY	0.00018	mg/L	0.0002	SW846-8082
PCB-1016	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1221	U	0.00018	mg/L	0.0002	SW846-8082
PCB-1232	U	0.00014	mg/L	0.0001	SW846-8082
PCB-1242	U	0.0001	mg/L	0.0001	SW846-8082
PCB-1248	U	0.00012	mg/L	0.0001	SW846-8082
PCB-1254	U	0.00007	mg/L	7E-05	SW846-8082
PCB-1260	U	0.00005	mg/L	5E-05	SW846-8082
PCB-1268	U	0.00009	mg/L	9E-05	SW846-8082

#### RADS

Alpha activity	U	1.5	pCi/L	0.94	14.2	SW846-9310
Beta activity	U	2.53	pCi/L	0.68	6.94	SW846-9310
Iodine-131	U	-3.34	pCi/L	6.68	10.9	RL-7124
Radium	U	0.0723	pCi/L	0.12	0.79	RL-7113
Radium-224	U	0.0191	pCi/L	0.07	0.16	RL-7129
Radium-226	U	0.0464	pCi/L	0.08	0.23	RL-7129
Radium-228	U	-0.613	pCi/L	0.11	3.62	RL-7129
Strontium-90	U	-0.105	pCi/L	0.01	1.55	RL-7140
Technetium-99	U	-4.62	pCi/L	13.6	19.4	RL-7100
Thorium-230	U	-0.0108	pCi/L	0.06	0.52	RL-7128
Tritium	U	-137	pCi/L	163	275	704R7

#### SVOA

1,2-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260

#### VOA

1,1,1,2-Tetrachloroethane	JU	0.005	mg/L	0.005	SW846-8260
1,1,1-Trichloroethane	JU	0.005	mg/L	0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dibromo-3-chloropropane	UY	0.0002	mg/L	0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	0.005	SW846-8260
2-Butanone	U	0.01	mg/L	0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L	0.01	SW846-8260
2-Hexanone	U	0.01	mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L	0.01	SW846-8260
Acetone	JU	0.01	mg/L	0.01	SW846-8260
Acrolein	JU	0.01	mg/L	0.01	SW846-8260
Acrylonitrile	JU	0.01	mg/L	0.01	SW846-8260
Benzene	U	0.005	mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromodichloromethane	JU	0.005	mg/L	0.005	SW846-8260
Bromoform	U	0.005	mg/L	0.005	SW846-8260
Bromomethane	U	0.005	mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L	0.005	SW846-8260
Chloroethane	U	0.005	mg/L	0.005	SW846-8260
Chloroform	U	0.005	mg/L	0.005	SW846-8260

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## MW396

### 20316

Chloromethane	U	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	JU	0.005 mg/L	0.005	SW846-8260
Dibromomethane	U	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005 mg/L	0.005	SW846-8260
Ethanol	U	0.25 mg/L	0.25	SW846-8015
Ethyl methacrylate	U	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	U	0.005 mg/L	0.005	SW846-8260
Methylene chloride	U	0.005 mg/L	0.005	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	JU	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	JU	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	JU	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	BX	25 mg/L	25	EPA-410.4 1978
Cyanide	JU	0.05 mg/L	0.05	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		6.6 mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.0814 mg/L	0.01	SW846-9020B

# Paducah-OREIS Data Report

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**MW397**  
**20316**  
**MW397SG4-05**

Collected: 7/11/2005

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	5	mg/L		5	SW846-9056
Chloride		43	mg/L		1	SW846-9056
Fluoride		0.15	mg/L		0.1	9214
Nitrate as Nitrogen		2	mg/L		1	SW846-9056
Sulfate		12	mg/L		1	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic	U	0.001	mg/L		0.001	SW846-6020
Barium		0.148	mg/L		0.005	SW846-6020
Barium, Dissolved	B	0.154	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	BU	0.2	mg/L		0.2	SW846-6010A
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		19.8	mg/L		1	SW846-6010A
Chromium	UX	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	UX	0.02	mg/L		0.02	SW846-6020
Cobalt	UX	0.001	mg/L		0.001	SW846-6020
Copper	U	0.02	mg/L		0.02	SW846-6020
Iron		0.265	mg/L		0.1	SW846-6010A
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		8.18	mg/L		0.02	SW846-6010A
Manganese	UX	0.005	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	U	0.001	mg/L		0.001	SW846-6020
Nickel	BUX	0.005	mg/L		0.005	SW846-6020
Potassium		1.71	mg/L		0.2	SW846-6010A
Rhodium	U	0.005	mg/L		0.005	SW846-6020
Selenium	U	0.005	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		35.4	mg/L		1	SW846-6010A
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	BU	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.77	Inches/Hg			
<b>PHYSC</b>						
Conductivity		343	umho/cm			
Depth to Water		59.28	ft			
Dissolved Oxygen		5.42	mg/L			
Dissolved Solids	UX	500	mg/L		500	EPA-160.1
pH		6.13	Std Unit			
Redox		252	mV			
Suspended Solids	UX	25	mg/L		25	EPA-160.2
Temperature		63.9	deg F			
Total Solids	X	211	mg/L		150	EPA-160.3

**MW397**

**20316**

Turbidity 6 NTU

**PCCB**

PCB, Total	UY	0.00018	mg/L	0.0002	SW846-8082
PCB-1016	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1221	U	0.00018	mg/L	0.0002	SW846-8082
PCB-1232	U	0.00014	mg/L	0.0001	SW846-8082
PCB-1242	U	0.0001	mg/L	0.0001	SW846-8082
PCB-1248	U	0.00012	mg/L	0.0001	SW846-8082
PCB-1254	U	0.00007	mg/L	7E-05	SW846-8082
PCB-1260	U	0.00005	mg/L	5E-05	SW846-8082
PCB-1268	U	0.00009	mg/L	9E-05	SW846-8082

**RADS**

Alpha activity	U	-0.729	pCi/L	0.51	6.52	SW846-9310
Beta activity		8.74	pCi/L	1.69	4.43	SW846-9310
Iodine-131	U	1.23	pCi/L	2.45	17	RL-7124
Radium	U	0.12	pCi/L	0.12	0.79	RL-7113
Radium-224	U	0.0306	pCi/L	0.08	0.24	RL-7129
Radium-226	U	-0.0153	pCi/L	0.12	0.37	RL-7129
Radium-228	U	6.2	pCi/L	1.01	6.29	RL-7129
Strontium-90	U	0.0168	pCi/L	0.0026	1.33	RL-7140
Technetium-99	U	3.22	pCi/L	14.1	19.4	RL-7100
Thorium-230	UT	0.081	pCi/L	0.36	0.79	RL-7128
Tritium	U	-46.3	pCi/L	164	275	704R7

**SVOA**

1,2-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260

**VOA**

1,1,1,2-Tetrachloroethane	JU	0.005	mg/L	0.005	SW846-8260
1,1,1-Trichloroethane	JU	0.005	mg/L	0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dibromo-3-chloropropane	UY	0.0002	mg/L	0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	0.005	SW846-8260
2-Butanone	U	0.01	mg/L	0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L	0.01	SW846-8260
2-Hexanone	U	0.01	mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L	0.01	SW846-8260
Acetone	JU	0.01	mg/L	0.01	SW846-8260
Acrolein	JU	0.01	mg/L	0.01	SW846-8260
Acrylonitrile	JU	0.01	mg/L	0.01	SW846-8260
Benzene	U	0.005	mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromodichloromethane	JU	0.005	mg/L	0.005	SW846-8260
Bromoform	U	0.005	mg/L	0.005	SW846-8260
Bromomethane	U	0.005	mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L	0.005	SW846-8260
Chloroethane	U	0.005	mg/L	0.005	SW846-8260
Chloroform	U	0.005	mg/L	0.005	SW846-8260

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### 20316

Chloromethane	U	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	JU	0.005 mg/L	0.005	SW846-8260
Dibromomethane	U	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005 mg/L	0.005	SW846-8260
Ethanol	U	0.25 mg/L	0.25	SW846-8015
Ethyl methacrylate	U	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	U	0.005 mg/L	0.005	SW846-8260
Methylene chloride	U	0.005 mg/L	0.005	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	JU	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	JU	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	JU	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	BU	25 mg/L	25	EPA-410.4 1978
Cyanide	JU	0.05 mg/L	0.05	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.01 mg/L	0.01	SW846-9020B

# Paducah-OREIS Data Report

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**MW369**  
**20331**  
**MW369UG4-05**

Collected: 7/20/2005

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	5	mg/L		5	SW846-9056
Chloride		43	mg/L		1	SW846-9056
Fluoride		0.22	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		10	mg/L		1	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic		0.00414	mg/L		0.001	SW846-6020
Barium		0.38	mg/L		0.005	SW846-6020
Barium, Dissolved		0.391	mg/L		0.005	SW846-6020
Beryllium	UX	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6010A
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		22.5	mg/L		1	SW846-6010A
Chromium	U	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Cobalt	X	0.0439	mg/L		0.001	SW846-6020
Copper	U	0.02	mg/L		0.02	SW846-6020
Iron		1.71	mg/L		0.1	SW846-6010A
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		9.22	mg/L		0.02	SW846-6010A
Manganese	NX	0.388	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	U	0.001	mg/L		0.001	SW846-6020
Nickel		0.0111	mg/L		0.005	SW846-6020
Potassium	B	0.894	mg/L		0.2	SW846-6010A
Rhodium	U	0.005	mg/L		0.005	SW846-6020
Selenium	U	0.005	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		52.6	mg/L		1	SW846-6010A
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		30	Inches/Hg			
<b>PHYSC</b>						
Conductivity		396	umho/cm			
Depth to Water		37.76	ft			
Dissolved Oxygen		2.51	mg/L			
Dissolved Solids	U	500	mg/L		500	EPA-160.1
pH		6.3	Std Unit			
Redox		186	mV			
Suspended Solids	U	25	mg/L		25	EPA-160.2
Temperature		66.5	deg F			
Total Solids		240	mg/L		150	EPA-160.3

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## MW369

### 20331

Turbidity		19.4	NTU			
<b>PCCB</b>						
PCB, Total	Y	0.00028	mg/L	0.0002	SW846-8082	
PCB-1016		0.00028	mg/L	0.0002	SW846-8082	
PCB-1221	U	0.00017	mg/L	0.0002	SW846-8082	
PCB-1232	U	0.00014	mg/L	0.0001	SW846-8082	
PCB-1242	U	0.0001	mg/L	0.0001	SW846-8082	
PCB-1248	U	0.00012	mg/L	0.0001	SW846-8082	
PCB-1254	U	0.00007	mg/L	7E-05	SW846-8082	
PCB-1260	U	0.00005	mg/L	5E-05	SW846-8082	
PCB-1268	U	0.00009	mg/L	9E-05	SW846-8082	
<b>RADS</b>						
Alpha activity	U	-0.825	pCi/L	0.82	5.22	SW846-9310
Beta activity		6.02	pCi/L	1.37	3.89	SW846-9310
Iodine-131	U	6.65	pCi/L	13.3	22	RL-7124
Radium	U	0.178	pCi/L	0.12	0.78	RL-7113
Radium-224	U	-0.0087	pCi/L	0	0.22	RL-7129
Radium-226	U	0.163	pCi/L	0.16	0.25	RL-7129
Radium-228	U	-1.37	pCi/L	0.27	3.79	RL-7129
Strontium-90	U	0.218	pCi/L	0.03	1.45	RL-7140
Technetium-99	U	14.8	pCi/L	13.2	17.7	RL-7100
Thorium-230	U	0.029	pCi/L	0.07	1.36	RL-7128
Tritium	U	12.7	pCi/L	172	286	704R7
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260	
1,4-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260	
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260	
1,1,1-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260	
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260	
1,1,2-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260	
1,1-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260	
1,1-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260	
1,2,3-Trichloropropane	U	0.005	mg/L	0.005	SW846-8260	
1,2-Dibromo-3-chloropropane	JUY	0.0002	mg/L	0.0002	SW846-8011	
1,2-Dibromoethane	U	0.005	mg/L	0.005	SW846-8260	
1,2-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260	
1,2-Dichloropropane	U	0.005	mg/L	0.005	SW846-8260	
2-Butanone	U	0.01	mg/L	0.01	SW846-8260	
2-Chloroethyl vinyl ether	JU	0.01	mg/L	0.01	SW846-8260	
2-Hexanone	U	0.01	mg/L	0.01	SW846-8260	
4-Methyl-2-pentanone	U	0.01	mg/L	0.01	SW846-8260	
Acetone	U	0.01	mg/L	0.01	SW846-8260	
Acrolein	U	0.01	mg/L	0.01	SW846-8260	
Acrylonitrile	U	0.01	mg/L	0.01	SW846-8260	
Benzene	U	0.005	mg/L	0.005	SW846-8260	
Bromochloromethane	U	0.005	mg/L	0.005	SW846-8260	
Bromodichloromethane	U	0.005	mg/L	0.005	SW846-8260	
Bromoform	U	0.005	mg/L	0.005	SW846-8260	
Bromomethane	U	0.005	mg/L	0.005	SW846-8260	
Carbon disulfide	U	0.005	mg/L	0.005	SW846-8260	
Carbon tetrachloride	U	0.005	mg/L	0.005	SW846-8260	
Chlorobenzene	U	0.005	mg/L	0.005	SW846-8260	
Chloroethane	U	0.005	mg/L	0.005	SW846-8260	
Chloroform	U	0.005	mg/L	0.005	SW846-8260	

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### 20331

Chloromethane	U	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Dibromomethane	U	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005 mg/L	0.005	SW846-8260
Ethanol	UY	0.25 mg/L	0.25	SW846-8015
Ethyl methacrylate	U	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	U	0.005 mg/L	0.005	SW846-8260
Methylene chloride	U	0.005 mg/L	0.005	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene		0.0016 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Cyanide	U	0.05 mg/L	0.05	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		2.1 mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.0247 mg/L	0.01	SW846-9020B



# Paducah-OREIS Data Report

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**MW370**  
**20331**  
**MW370UG4-05**

Collected: 7/20/2005

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	5	mg/L		5	SW846-9056
Chloride		53	mg/L		2	SW846-9056
Fluoride		0.18	mg/L		0.1	9214
Nitrate as Nitrogen		1.1	mg/L		1	SW846-9056
Sulfate		17	mg/L		1	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic		0.00203	mg/L		0.001	SW846-6020
Barium		0.2	mg/L		0.005	SW846-6020
Barium, Dissolved		0.198	mg/L		0.005	SW846-6020
Beryllium	UX	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6010A
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		30.4	mg/L		1	SW846-6010A
Chromium	U	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Cobalt	X	0.00435	mg/L		0.001	SW846-6020
Copper	U	0.02	mg/L		0.02	SW846-6020
Iron	BU	0.1	mg/L		0.1	SW846-6010A
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		12.6	mg/L		0.02	SW846-6010A
Manganese	NX	0.079	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	U	0.001	mg/L		0.001	SW846-6020
Nickel	U	0.005	mg/L		0.005	SW846-6020
Potassium	B	2.55	mg/L		0.2	SW846-6010A
Rhodium	U	0.005	mg/L		0.005	SW846-6020
Selenium		0.007	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		37.5	mg/L		1	SW846-6010A
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		30	Inches/Hg			
<b>PHYSC</b>						
Conductivity		428	umho/cm			
Depth to Water		38.66	ft			
Dissolved Oxygen		2.65	mg/L			
Dissolved Solids	U	500	mg/L		500	EPA-160.1
pH		6.2	Std Unit			
Redox		250	mV			
Suspended Solids	U	25	mg/L		25	EPA-160.2
Temperature		67.6	deg F			
Total Solids		235	mg/L		150	EPA-160.3

\*QUALIFIER Codes See attached List.

**MW370**

**20331**

Turbidity 6.7 NTU

**PCCB**

PCB, Total	UY	0.00018	mg/L	0.0002	SW846-8082
PCB-1016	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1221	U	0.00018	mg/L	0.0002	SW846-8082
PCB-1232	U	0.00014	mg/L	0.0001	SW846-8082
PCB-1242	U	0.0001	mg/L	0.0001	SW846-8082
PCB-1248	U	0.00012	mg/L	0.0001	SW846-8082
PCB-1254	U	0.00007	mg/L	7E-05	SW846-8082
PCB-1260	U	0.00005	mg/L	5E-05	SW846-8082
PCB-1268	U	0.00009	mg/L	9E-05	SW846-8082

**RADS**

Alpha activity	U	-0.0906	pCi/L	0.06	3.83	SW846-9310
Beta activity		21.4	pCi/L	2.9	4.36	SW846-9310
Iodine-131	U	1.48	pCi/L	2.95	17.9	RL-7124
Radium	U	0.124	pCi/L	0.12	0.78	RL-7113
Radium-224	U	-0.0087	pCi/L	0	0.34	RL-7129
Radium-226		0.308	pCi/L	0.19	0.27	RL-7129
Radium-228	U	1.57	pCi/L	0.27	4.08	RL-7129
Strontium-90	U	-0.0845	pCi/L	0.01	1.56	RL-7140
Technetium-99		43.1	pCi/L	14.1	17.7	RL-7100
Thorium-230	U	0.00017	pCi/L	0.04	1.35	RL-7128
Tritium	U	-35.9	pCi/L	171	286	704R7

**SVOA**

1,2-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260

**VOA**

1,1,1,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dibromo-3-chloropropane	UY	0.0002	mg/L	0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	0.005	SW846-8260
2-Butanone	U	0.01	mg/L	0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L	0.01	SW846-8260
2-Hexanone	U	0.01	mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L	0.01	SW846-8260
Acetone	U	0.01	mg/L	0.01	SW846-8260
Acrolein	U	0.01	mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L	0.01	SW846-8260
Benzene	U	0.005	mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromoform	U	0.005	mg/L	0.005	SW846-8260
Bromomethane	U	0.005	mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L	0.005	SW846-8260
Chloroethane	U	0.005	mg/L	0.005	SW846-8260
Chloroform	U	0.005	mg/L	0.005	SW846-8260

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## MW370

### 20331

Chloromethane	U	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Dibromomethane	U	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005 mg/L	0.005	SW846-8260
Ethanol	UY	0.25 mg/L	0.25	SW846-8015
Ethyl methacrylate	U	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	U	0.005 mg/L	0.005	SW846-8260
Methylene chloride	U	0.005 mg/L	0.005	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene		0.0093 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Cyanide	U	0.05 mg/L	0.05	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.0136 mg/L	0.01	SW846-9020B

# Paducah-OREIS Data Report

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**MW371**

**20331**

**MW371UG4-05**

Collected: 7/25/2005

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	5	mg/L		5	SW846-9056
Chloride		7.9	mg/L		1	SW846-9056
Fluoride		0.29	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		4.3	mg/L		1	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic	U	0.001	mg/L		0.001	SW846-6020
Barium		0.1	mg/L		0.005	SW846-6020
Barium, Dissolved		0.098	mg/L		0.005	SW846-6020
Beryllium	UX	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6010A
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		25.4	mg/L		1	SW846-6010A
Chromium	U	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Cobalt	UX	0.001	mg/L		0.001	SW846-6020
Copper	U	0.02	mg/L		0.02	SW846-6020
Iron	B	0.158	mg/L		0.1	SW846-6010A
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		10.5	mg/L		0.02	SW846-6010A
Manganese	NUX	0.005	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	U	0.001	mg/L		0.001	SW846-6020
Nickel	U	0.005	mg/L		0.005	SW846-6020
Potassium	B	0.513	mg/L		0.2	SW846-6010A
Rhodium	U	0.005	mg/L		0.005	SW846-6020
Selenium	U	0.005	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		108	mg/L		10	SW846-6010A
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.94	Inches/Hg			
<b>PHYSC</b>						
Conductivity		640	umho/cm			
Depth to Water		20.9	ft			
Dissolved Oxygen		1.83	mg/L			
Dissolved Solids	U	500	mg/L		500	EPA-160.1
pH		6.75	Std Unit			
Redox		242	mV			
Suspended Solids	U	25	mg/L		25	EPA-160.2
Temperature		70.8	deg F			
Total Solids		396	mg/L		150	EPA-160.3

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## MW371

### 20331

Turbidity 4.7 NTU

#### PCCB

PCB, Total	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1016	U	0.00016	mg/L	0.0002	SW846-8082
PCB-1221	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1232	U	0.00013	mg/L	0.0001	SW846-8082
PCB-1242	U	0.00009	mg/L	9E-05	SW846-8082
PCB-1248	U	0.00011	mg/L	0.0001	SW846-8082
PCB-1254	U	0.00007	mg/L	7E-05	SW846-8082
PCB-1260	U	0.00005	mg/L	5E-05	SW846-8082
PCB-1268	U	0.00008	mg/L	8E-05	SW846-8082

#### RADS

Alpha activity	U	0.911	pCi/L	0.68	7.08	SW846-9310
Beta activity	U	1.92	pCi/L	0.57	4.29	SW846-9310
Iodine-131	U	-6.4	pCi/L	12.8	9.11	RL-7124
Radium	U	0.217	pCi/L	0.12	0.77	RL-7113
Radium-224	U	-0.0169	pCi/L	0.01	0.35	RL-7129
Radium-226	U	0.123	pCi/L	0.13	0.29	RL-7129
Radium-228	U	1.28	pCi/L	0.24	2.4	RL-7129
Strontium-90	U	-0.248	pCi/L	0.04	1.46	RL-7140
Technetium-99	U	9.35	pCi/L	13	17.7	RL-7100
Thorium-230	U	0.138	pCi/L	0.08	1.35	RL-7128
Tritium	U	101	pCi/L	173	285	704R7

#### SVOA

1,2-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260

#### VOA

1,1,1,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JUY	0.0002	mg/L	0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	0.005	SW846-8260
2-Butanone	U	0.01	mg/L	0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L	0.01	SW846-8260
2-Hexanone	U	0.01	mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L	0.01	SW846-8260
Acetone	JU	0.01	mg/L	0.01	SW846-8260
Acrolein	JU	0.01	mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L	0.01	SW846-8260
Benzene	U	0.005	mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromoform	U	0.005	mg/L	0.005	SW846-8260
Bromomethane	U	0.005	mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L	0.005	SW846-8260
Chloroethane	U	0.005	mg/L	0.005	SW846-8260
Chloroform	U	0.005	mg/L	0.005	SW846-8260

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## MW371

### 20331

Chloromethane	U	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	JU	0.005 mg/L	0.005	SW846-8260
Dibromomethane	U	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005 mg/L	0.005	SW846-8260
Ethanol	UY	0.25 mg/L	0.25	SW846-8015
Ethyl methacrylate	U	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	U	0.005 mg/L	0.005	SW846-8260
Methylene chloride	U	0.005 mg/L	0.005	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	JU	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Cyanide	U	0.05 mg/L	0.05	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		1.8 mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.0154 mg/L	0.01	SW846-9020B

# Paducah-OREIS Data Report

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**MW245**  
**20402**  
**MW245QS4-05**

Collected: 8/9/2005

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	N	1.69	mg/L		0.2	SW846-6010A
Aluminum, Dissolved	U	0.2	mg/L		0.2	SW846-6010A
Calcium		24.7	mg/L		1	SW846-6010A
Calcium, Dissolved		25.9	mg/L		1	SW846-6010A
Iron		24.9	mg/L		0.1	SW846-6010A
Iron, Dissolved		19.7	mg/L		0.1	SW846-6010A
Magnesium		10.2	mg/L		0.02	SW846-6010A
Magnesium, Dissolved		10.8	mg/L		0.02	SW846-6010A
Manganese	N	8.89	mg/L		0.05	SW846-6020
Manganese, Dissolved	N	10.2	mg/L		0.05	SW846-6020
Potassium		1.26	mg/L		0.2	SW846-6010A
Potassium, Dissolved		1.1	mg/L		0.2	SW846-6010A
Sodium		25.1	mg/L		1	SW846-6010A
Sodium, Dissolved		26.7	mg/L		1	SW846-6010A
<b>METEO</b>						
Barometric Pressure Reading		29.97	Inches/Hg			
<b>PHYSC</b>						
Conductivity		462	umho/cm			
Depth to Water		42.35	ft			
Dissolved Oxygen		1.34	mg/L			
pH		6.21	Std Unit			
Redox		31	mV			
Temperature		65.1	deg F			
Turbidity		44.7	NTU			
<b>RADS</b>						
Alpha activity	U	1.66	pCi/L	1	4.45	SW846-9310
Beta activity	U	3.57	pCi/L	0.9	3.81	SW846-9310
Technetium-99	U	12.3	pCi/L	14	19	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.025	mg/L		0.025	SW846-8260
1,1,2-Trichloroethane	U	0.025	mg/L		0.025	SW846-8260
1,1-Dichloroethane	U	0.025	mg/L		0.025	SW846-8260
1,1-Dichloroethene	U	0.025	mg/L		0.025	SW846-8260
1,2-Dichloroethane	U	0.025	mg/L		0.025	SW846-8260
Benzene	U	0.025	mg/L		0.025	SW846-8260
Bromodichloromethane	U	0.025	mg/L		0.025	SW846-8260
Carbon tetrachloride	U	0.025	mg/L		0.025	SW846-8260
Chloroform	U	0.025	mg/L		0.025	SW846-8260
cis-1,2-Dichloroethene	U	0.025	mg/L		0.025	SW846-8260
Ethylbenzene	U	0.025	mg/L		0.025	SW846-8260
Tetrachloroethene	U	0.025	mg/L		0.025	SW846-8260
Toluene	U	0.025	mg/L		0.025	SW846-8260
Total Xylene	U	0.075	mg/L		0.075	SW846-8260
trans-1,2-Dichloroethene	U	0.025	mg/L		0.025	SW846-8260
Trichloroethene	D	0.15	mg/L		0.005	SW846-8260
Vinyl chloride	U	0.01	mg/L		0.01	SW846-8260
<b>WETCHEM</b>						
Phosphate as Phosphorous	U	1	mg/L		1	SW846-9056
Silica		29	mg/L		1	EPA-370.1

MW245  
20402

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# Paducah-OREIS Data Report

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**MW66**

**20533**

**MW66M9-05**

Collected: 9/27/2005

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METEO</b>						
Barometric Pressure Reading		30.03	Inches/Hg			
<b>PHYSC</b>						
Conductivity		208	umho/cm			
Depth to Water		46.36	ft			
Dissolved Oxygen		7.4	mg/L			
pH		5.98	Std Unit			
Redox		219	mV			
Temperature		62.4	deg F			
Turbidity		3.2	NTU			
<b>RADS</b>						
Alpha activity	U	-1.4	pCi/L	0.33	5.32	SW846-9310
Beta activity		209	pCi/L	10.3	4.68	SW846-9310
Technetium-99		273	pCi/L	20.3	18.2	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.1	mg/L		0.1	SW846-8260
1,1,2-Trichloroethane	U	0.1	mg/L		0.1	SW846-8260
1,1-Dichloroethane	U	0.1	mg/L		0.1	SW846-8260
1,1-Dichloroethene	U	0.1	mg/L		0.1	SW846-8260
1,2-Dichloroethane	U	0.1	mg/L		0.1	SW846-8260
Benzene	U	0.1	mg/L		0.1	SW846-8260
Bromodichloromethane	JU	0.1	mg/L		0.1	SW846-8260
Carbon tetrachloride	U	0.1	mg/L		0.1	SW846-8260
Chloroform	U	0.1	mg/L		0.1	SW846-8260
cis-1,2-Dichloroethene	U	0.1	mg/L		0.1	SW846-8260
Ethylbenzene	U	0.1	mg/L		0.1	SW846-8260
Tetrachloroethene	U	0.1	mg/L		0.1	SW846-8260
Toluene	U	0.1	mg/L		0.1	SW846-8260
Total Xylene	U	0.3	mg/L		0.3	SW846-8260
trans-1,2-Dichloroethene	U	0.1	mg/L		0.1	SW846-8260
Trichloroethene	D	0.56	mg/L		0.02	SW846-8260
Vinyl chloride	U	0.04	mg/L		0.04	SW846-8260

# Paducah-OREIS Data Report

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**MW369**

**20552**

**MW369UG1-06**

Collected: 10/12/2005

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	2	mg/L		2	SW846-9056
Chloride		44	mg/L		2	SW846-9056
Fluoride		0.2	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		14	mg/L		2	SW846-9056
<b>METAL</b>						
Aluminum		0.698	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic		0.00827	mg/L		0.001	SW846-6020
Barium		0.371	mg/L		0.005	SW846-6020
Barium, Dissolved		0.395	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	BU	0.2	mg/L		0.2	SW846-6010A
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium	B	18.3	mg/L		1	SW846-6010A
Chromium	U	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Cobalt		0.0651	mg/L		0.001	SW846-6020
Copper	BU	0.02	mg/L		0.02	SW846-6020
Iron		6.96	mg/L		0.1	SW846-6010A
Lead	BU	0.005	mg/L		0.005	SW846-6020
Magnesium	N	7.92	mg/L		0.02	SW846-6010A
Manganese	BX	0.484	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel		0.0123	mg/L		0.005	SW846-6020
Potassium		0.721	mg/L		0.2	SW846-6010A
Rhodium	BUX	0.005	mg/L		0.005	SW846-6020
Selenium	U	0.005	mg/L		0.005	SW846-6020
Silver	U	0.001	mg/L		0.001	SW846-6020
Sodium		50.2	mg/L		1	SW846-6010A
Tantalum	UX	0.005	mg/L		0.005	SW846-6020
Thallium	UX	0.002	mg/L		0.002	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.97	Inches/Hg			
<b>PHYSC</b>						
Conductivity		414	umho/cm			
Depth to Water		40.6	ft			
Dissolved Oxygen		1.32	mg/L			
Dissolved Solids	JU	500	mg/L		500	EPA-160.1
pH		6.25	Std Unit			
Redox		164	mV			
Suspended Solids	U	13	mg/L		13	EPA-160.2
Temperature		61.7	deg F			
Turbidity		35	NTU			

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## MW369

### 20552

#### RADS

Alpha activity	U	0.698	pCi/L	0.52	4.51	SW846-9310
Beta activity	U	3.88	pCi/L	0.91	4.26	SW846-9310
Iodine-131	U	-1.48	pCi/L	2.96	10.3	RL-7124
Radium	U	0.0404	pCi/L	0.12	0.76	RL-7113
Radium-224	U	0.00461	pCi/L	0.02	0.17	RL-7129
Radium-226	U	0.0475	pCi/L	0.09	0.26	RL-7129
Radium-228	U	0.969	pCi/L	0.17	6.41	RL-7129
Strontium-90	U	0.174	pCi/L	0.02	1.42	RL-7140
Technetium-99	U	-11	pCi/L	13.6	19.5	RL-7100
Thorium-230	U	0.0719	pCi/L	0.06	0.34	RL-7128
Tritium	U	-239	pCi/L	149	255	704R7

#### SVOA

1,2-Dichlorobenzene	UX	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	UX	0.005	mg/L		0.005	SW846-8260

#### VOA

1,1,1,2-Tetrachloroethane	UX	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	UX	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	UX	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	UX	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	UX	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	UX	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	UX	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JUY	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	UX	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	UX	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	UX	0.005	mg/L		0.005	SW846-8260
2-Butanone	UX	0.01	mg/L		0.01	SW846-8260
2-Chloroethyl vinyl ether	JUX	0.01	mg/L		0.01	SW846-8260
2-Hexanone	UX	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	UX	0.01	mg/L		0.01	SW846-8260
Acetone	JUX	0.01	mg/L		0.01	SW846-8260
Acrolein	JUX	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	UX	0.01	mg/L		0.01	SW846-8260
Benzene	UX	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	UX	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	UX	0.005	mg/L		0.005	SW846-8260
Bromoform	UX	0.005	mg/L		0.005	SW846-8260
Bromomethane	UX	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	UX	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	UX	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	UX	0.005	mg/L		0.005	SW846-8260
Chloroethane	UX	0.005	mg/L		0.005	SW846-8260
Chloroform	UX	0.005	mg/L		0.005	SW846-8260
Chloromethane	UX	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	UX	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	UX	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	UX	0.005	mg/L		0.005	SW846-8260
Dibromomethane	UX	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	UX	0.005	mg/L		0.005	SW846-8260
Ethanol	JU	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	UX	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	UX	0.005	mg/L		0.005	SW846-8260
Iodomethane	UX	0.005	mg/L		0.005	SW846-8260
Methylene chloride	UX	0.005	mg/L		0.005	SW846-8260

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## MW369

### 20552

Styrene	UX	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	UX	0.005 mg/L	0.005	SW846-8260
Toluene	UX	0.005 mg/L	0.005	SW846-8260
Total Xylene	UX	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	UX	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	UX	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	UX	0.005 mg/L	0.005	SW846-8260
Trichloroethene	X	0.0026 mg/L	0.001	SW846-8260
Trichlorofluoromethane	UX	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	UX	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	UX	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Cyanide	U	0.05 mg/L	0.05	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		1.7 mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.0233 mg/L	0.01	SW846-9020B

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**MW370**

**20552**

**MW370UG1-06**

Collected: 10/12/2005

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	2	mg/L		2	SW846-9056
Chloride		48	mg/L		10	SW846-9056
Fluoride		0.16	mg/L		0.1	9214
Nitrate as Nitrogen		1.1	mg/L		1	SW846-9056
Sulfate		17	mg/L		2	SW846-9056
<b>METAL</b>						
Aluminum	BU	0.2	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic		0.00204	mg/L		0.001	SW846-6020
Barium		0.197	mg/L		0.005	SW846-6020
Barium, Dissolved		0.212	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	BU	0.2	mg/L		0.2	SW846-6010A
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium	B	28.7	mg/L		1	SW846-6010A
Chromium	U	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Cobalt		0.00255	mg/L		0.001	SW846-6020
Copper	BU	0.02	mg/L		0.02	SW846-6020
Iron	U	0.1	mg/L		0.1	SW846-6010A
Lead	BU	0.005	mg/L		0.005	SW846-6020
Magnesium	N	11.9	mg/L		0.02	SW846-6010A
Manganese	BX	0.0408	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel		0.00503	mg/L		0.005	SW846-6020
Potassium		2.47	mg/L		0.2	SW846-6010A
Rhodium	BUX	0.005	mg/L		0.005	SW846-6020
Selenium		0.00598	mg/L		0.005	SW846-6020
Silver	U	0.001	mg/L		0.001	SW846-6020
Sodium		34.7	mg/L		1	SW846-6010A
Tantalum	UX	0.005	mg/L		0.005	SW846-6020
Thallium	UX	0.002	mg/L		0.002	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.97	Inches/Hg			
<b>PHYSC</b>						
Conductivity		441	umho/cm			
Depth to Water		41.45	ft			
Dissolved Oxygen		2.99	mg/L			
Dissolved Solids	JU	500	mg/L		500	EPA-160.1
pH		6.15	Std Unit			
Redox		280	mV			
Suspended Solids	U	13	mg/L		13	EPA-160.2
Temperature		60.4	deg F			
Turbidity		7	NTU			

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## MW370

### 20552

#### RADS

Alpha activity	U	1.85	pCi/L	0.92	4.21	SW846-9310
Beta activity		22.5	pCi/L	3.04	4.18	SW846-9310
Iodine-131	U	-3.1	pCi/L	6.2	16.2	RL-7124
Radium	U	0.00982	pCi/L	0.0098	0.76	RL-7113
Radium-224	U	-0.0086	pCi/L	0.0025	0.19	RL-7129
Radium-226		0.299	pCi/L	0.19	0.28	RL-7129
Radium-228	U	-0.893	pCi/L	0.17	3.72	RL-7129
Strontium-90	U	-0.114	pCi/L	0.01	1.34	RL-7140
Technetium-99		20.4	pCi/L	14.8	19.5	RL-7100
Thorium-230	U	0.00661	pCi/L	0.05	0.34	RL-7128
Tritium	U	-129	pCi/L	151	255	704R7

#### SVOA

1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260

#### VOA

1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JUY	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	JU	0.01	mg/L		0.01	SW846-8260
Acrolein	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	JU	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260

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## MW370

### 20552

Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene		0.0089 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Cyanide	U	0.05 mg/L	0.05	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.0102 mg/L	0.01	SW846-9020B

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# Paducah-OREIS Data Report

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12/18/2007

**MW371**  
**20552**  
**MW371UG1-06**

Collected: 10/12/2005

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	2	mg/L		2	SW846-9056
Chloride		7.1	mg/L		2	SW846-9056
Fluoride		0.29	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		4.2	mg/L		2	SW846-9056
<b>METAL</b>						
Aluminum	BU	0.2	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic	U	0.001	mg/L		0.001	SW846-6020
Barium		0.105	mg/L		0.005	SW846-6020
Barium, Dissolved		0.116	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	BU	0.2	mg/L		0.2	SW846-6010A
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium	B	26.9	mg/L		1	SW846-6010A
Chromium	U	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Cobalt	U	0.001	mg/L		0.001	SW846-6020
Copper	BU	0.02	mg/L		0.02	SW846-6020
Iron		0.109	mg/L		0.1	SW846-6010A
Lead	BU	0.005	mg/L		0.005	SW846-6020
Magnesium	N	11.2	mg/L		0.02	SW846-6010A
Manganese	BX	0.011	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	U	0.005	mg/L		0.005	SW846-6020
Potassium		0.346	mg/L		0.2	SW846-6010A
Rhodium	BUX	0.005	mg/L		0.005	SW846-6020
Selenium	U	0.005	mg/L		0.005	SW846-6020
Silver	U	0.001	mg/L		0.001	SW846-6020
Sodium		121	mg/L		1	SW846-6010A
Tantalum	UX	0.005	mg/L		0.005	SW846-6020
Thallium	UX	0.002	mg/L		0.002	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.97	Inches/Hg			
<b>PHYSC</b>						
Conductivity		702	umho/cm			
Depth to Water		22.4	ft			
Dissolved Oxygen		1.55	mg/L			
Dissolved Solids	JU	500	mg/L		500	EPA-160.1
pH		6.63	Std Unit			
Redox		263	mV			
Suspended Solids	U	13	mg/L		13	EPA-160.2
Temperature		61.6	deg F			
Turbidity		4.7	NTU			



# Paducah-OREIS Data Report

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## MW371

### 20552

#### RADS

Alpha activity	U	0.176	pCi/L	0.15	5.95	SW846-9310
Beta activity	U	2.4	pCi/L	0.62	4.64	SW846-9310
Iodine-131	U	0.888	pCi/L	1.78	10.8	RL-7124
Radium	U	-0.166	pCi/L	0.16	0.76	RL-7113
Radium-224	U	-0.0232	pCi/L	0.01	0.17	RL-7129
Radium-226	U	-0.0116	pCi/L	0.02	0.32	RL-7129
Radium-228	U	-1.15	pCi/L	0.22	4.11	RL-7129
Strontium-90	U	-0.0323	pCi/L	0.0053	1.36	RL-7140
Technetium-99	U	-5.5	pCi/L	13.9	19.5	RL-7100
Thorium-230	U	0.0792	pCi/L	0.07	0.35	RL-7128
Tritium	U	-72	pCi/L	152	255	704R7

#### SVOA

1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260

#### VOA

1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JUY	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	JU	0.01	mg/L		0.01	SW846-8260
Acrolein	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	JU	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260

# Paducah-OREIS Data Report

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## MW371

### 20552

Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Cyanide	U	0.05 mg/L	0.05	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		1.7 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.01 mg/L	0.01	SW846-9020B

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# Paducah-OREIS Data Report

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12/18/2007

**MW220**  
**20553**  
**MW220SG1-06**

Collected: 10/20/2005

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	2	mg/L		2	SW846-9056
Chloride		36	mg/L		2	SW846-9056
Fluoride		0.16	mg/L		0.1	9214
Nitrate as Nitrogen		1.7	mg/L		1	SW846-9056
Sulfate		9.3	mg/L		2	SW846-9056
<b>METAL</b>						
Aluminum	BU	0.2	mg/L		0.2	SW846-6010A
Antimony	BNU	0.005	mg/L		0.005	SW846-6020
Arsenic		0.00153	mg/L		0.001	SW846-6020
Barium		0.201	mg/L		0.005	SW846-6020
Barium, Dissolved		0.201	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	BJU	0.2	mg/L		0.2	SW846-6010A
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		19.1	mg/L		1	SW846-6010A
Chromium	UX	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Cobalt		0.00201	mg/L		0.001	SW846-6020
Copper	BUX	0.02	mg/L		0.02	SW846-6020
Iron		0.329	mg/L		0.1	SW846-6010A
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		8.02	mg/L		0.02	SW846-6010A
Manganese	X	0.0375	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	N	0.00162	mg/L		0.001	SW846-6020
Nickel	X	0.0827	mg/L		0.005	SW846-6020
Potassium		3.29	mg/L		0.2	SW846-6010A
Rhodium	BU	0.005	mg/L		0.005	SW846-6020
Selenium		0.00583	mg/L		0.005	SW846-6020
Silver	BNU	0.001	mg/L		0.001	SW846-6020
Sodium	B	33	mg/L		1	SW846-6010A
Tantalum	JNU	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.83	Inches/Hg			
<b>PHYSC</b>						
Conductivity		329	umho/cm			
Depth to Water		57.1	ft			
Dissolved Oxygen		5.64	mg/L			
Dissolved Solids	JU	500	mg/L		500	EPA-160.1
pH		6.1	Std Unit			
Redox		302	mV			
Suspended Solids	U	10	mg/L		10	EPA-160.2
Temperature		61.9	deg F			
Turbidity		13.5	NTU			

**MW220****20553****RADS**

Alpha activity	U	-1.64	pCi/L	1.16	5.7	SW846-9310
Beta activity		11.9	pCi/L	1.93	4.88	SW846-9310
Iodine-131	U	0.784	pCi/L	1.57	14.8	RL-7124
Radium	U	0.127	pCi/L	0.12	0.75	RL-7113
Radium-224	U	-0.0024	pCi/L	0.01	0.22	RL-7129
Radium-226	U	0.182	pCi/L	0.14	0.29	RL-7129
Radium-228	U	0.637	pCi/L	0.14	4.2	RL-7129
Strontium-90	U	0.0688	pCi/L	0.01	1.79	RL-7140
Technetium-99		29.5	pCi/L	12.7	17.4	RL-7100
Thorium-230	U	-0.0059	pCi/L	0.08	0.4	RL-7128
Tritium	U	-63.2	pCi/L	151	253	704R7

**SVOA**

1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260

**VOA**

1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	UY	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	U	0.01	mg/L		0.01	SW846-8260
Acrolein	U	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260

# Paducah-OREIS Data Report

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12/18/2007

## MW220

### 20553

Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Cyanide	JU	0.05 mg/L	0.05	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.01 mg/L	0.01	SW846-9020B

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# Paducah-OREIS Data Report

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12/18/2007

**MW221**

**20553**

**MW221SG1-06**

Collected: 10/19/2005

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	2	mg/L		2	SW846-9056
Chloride		42	mg/L		2	SW846-9056
Fluoride		0.18	mg/L		0.1	9214
Nitrate as Nitrogen		1.8	mg/L		1	SW846-9056
Sulfate		13	mg/L		2	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic		0.00191	mg/L		0.001	SW846-6020
Barium		0.223	mg/L		0.005	SW846-6020
Barium, Dissolved		0.238	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6010A
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		21.1	mg/L		1	SW846-6010A
Chromium	U	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Cobalt		0.00153	mg/L		0.001	SW846-6020
Copper	U	0.02	mg/L		0.02	SW846-6020
Iron	U	0.1	mg/L		0.1	SW846-6010A
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		9.27	mg/L		0.02	SW846-6010A
Manganese	U	0.005	mg/L		0.005	SW846-6020
Mercury	UW	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	B	0.00134	mg/L		0.001	SW846-6020
Nickel	U	0.005	mg/L		0.005	SW846-6020
Potassium		1.42	mg/L		0.2	SW846-6010A
Rhodium	BUX	0.005	mg/L		0.005	SW846-6020
Selenium		0.0087	mg/L		0.005	SW846-6020
Silver	U	0.001	mg/L		0.001	SW846-6020
Sodium		43.1	mg/L		1	SW846-6010A
Tantalum	UX	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	JU	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.83	Inches/Hg			
<b>PHYSC</b>						
Conductivity		398	umho/cm			
Depth to Water		66.87	ft			
Dissolved Oxygen		4.88	mg/L			
Dissolved Solids	JU	500	mg/L		500	EPA-160.1
pH		6.07	Std Unit			
Redox		212	mV			
Suspended Solids	JU	10	mg/L		10	EPA-160.2
Temperature		62.4	deg F			
Turbidity		4.7	NTU			

# Paducah-OREIS Data Report

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## MW221

### 20553

#### RADS

Alpha activity	U	1.73	pCi/L	1.15	3.11	SW846-9310
Beta activity		7.72	pCi/L	1.43	4.6	SW846-9310
Iodine-131	U	2.55	pCi/L	5.09	17.6	RL-7124
Radium	U	0.00939	pCi/L	0.0094	0.79	RL-7113
Radium-224	U	-0.0175	pCi/L	0.01	0.2	RL-7129
Radium-226	U	0.127	pCi/L	0.12	0.32	RL-7129
Radium-228	U	5.32	pCi/L	0.95	5.55	RL-7129
Strontium-90	U	-0.236	pCi/L	0.04	1.48	RL-7140
Technetium-99		22.5	pCi/L	12.5	17.4	RL-7100
Thorium-230	U	0.325	pCi/L	0.12	0.39	RL-7128
Tritium	U	-96.9	pCi/L	151	253	704R7

#### SVOA

1,2-Dichlorobenzene	UX	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	UX	0.005	mg/L		0.005	SW846-8260

#### VOA

1,1,1,2-Tetrachloroethane	UX	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	UX	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	UX	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	UX	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	UX	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	UX	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	UX	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	UY	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	UX	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	UX	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	UX	0.005	mg/L		0.005	SW846-8260
2-Butanone	UX	0.01	mg/L		0.01	SW846-8260
2-Chloroethyl vinyl ether	JUX	0.01	mg/L		0.01	SW846-8260
2-Hexanone	UX	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	UX	0.01	mg/L		0.01	SW846-8260
Acetone	UX	0.01	mg/L		0.01	SW846-8260
Acrolein	U	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	UX	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	UX	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	UX	0.005	mg/L		0.005	SW846-8260
Bromoform	UX	0.005	mg/L		0.005	SW846-8260
Bromomethane	UX	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	UX	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	UX	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	UX	0.005	mg/L		0.005	SW846-8260
Chloroethane	UX	0.005	mg/L		0.005	SW846-8260
Chloroform	UX	0.005	mg/L		0.005	SW846-8260
Chloromethane	UX	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	UX	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	UX	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	UX	0.005	mg/L		0.005	SW846-8260
Dibromomethane	UX	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	UX	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	UX	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	UX	0.005	mg/L		0.005	SW846-8260
Iodomethane	UX	0.005	mg/L		0.005	SW846-8260
Methylene chloride	UX	0.005	mg/L		0.005	SW846-8260

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## MW221

### 20553

Styrene	UX	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	UX	0.005 mg/L	0.005	SW846-8260
Toluene	UX	0.005 mg/L	0.005	SW846-8260
Total Xylene	UX	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	UX	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	UX	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	UX	0.005 mg/L	0.005	SW846-8260
Trichloroethene	UX	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	UX	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	UX	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	UX	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Cyanide	JU	0.05 mg/L	0.05	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.01 mg/L	0.01	SW846-9020B

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# Paducah-OREIS Data Report

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**MW221**

**20553**

**MW221DSG1-06**

Collected: 10/19/2005

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	2	mg/L		2	SW846-9056
Chloride		41	mg/L		2	SW846-9056
Fluoride		0.2	mg/L		0.1	9214
Nitrate as Nitrogen		1.8	mg/L		1	SW846-9056
Sulfate		12	mg/L		2	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic		0.00155	mg/L		0.001	SW846-6020
Barium		0.225	mg/L		0.005	SW846-6020
Barium, Dissolved		0.229	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6010A
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		20.6	mg/L		1	SW846-6010A
Chromium	U	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Cobalt		0.00143	mg/L		0.001	SW846-6020
Copper	U	0.02	mg/L		0.02	SW846-6020
Iron	U	0.1	mg/L		0.1	SW846-6010A
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		9.02	mg/L		0.02	SW846-6010A
Manganese	U	0.005	mg/L		0.005	SW846-6020
Mercury	UW	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	B	0.00218	mg/L		0.001	SW846-6020
Nickel	U	0.005	mg/L		0.005	SW846-6020
Potassium		1.58	mg/L		0.2	SW846-6010A
Rhodium	BUX	0.005	mg/L		0.005	SW846-6020
Selenium		0.00743	mg/L		0.005	SW846-6020
Silver	U	0.001	mg/L		0.001	SW846-6020
Sodium		43.9	mg/L		1	SW846-6010A
Tantalum	UX	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	JU	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.83	Inches/Hg			
<b>PHYSC</b>						
Conductivity		398	umho/cm			
Depth to Water		66.87	ft			
Dissolved Oxygen		4.88	mg/L			
Dissolved Solids	JU	500	mg/L		500	EPA-160.1
pH		6.07	Std Unit			
Redox		212	mV			
Suspended Solids	U	13	mg/L		13	EPA-160.2
Temperature		62.4	deg F			
Turbidity		4.7	NTU			

## MW221

## 20553

## RADS

Alpha activity	U	2.43	pCi/L	1.53	3.1	SW846-9310
Beta activity	U	2.99	pCi/L	0.67	4.6	SW846-9310
Iodine-131	U	4.98	pCi/L	9.97	15.3	RL-7124
Radium	U	-0.0246	pCi/L	0.02	0.79	RL-7113
Radium-224	U	-0.0208	pCi/L	0.02	0.23	RL-7129
Radium-226	U	0.0913	pCi/L	0.16	0.37	RL-7129
Radium-228	U	3.93	pCi/L	0.77	8.37	RL-7129
Strontium-90	U	0.105	pCi/L	0.01	1.55	RL-7140
Technetium-99	U	9.22	pCi/L	12	17.4	RL-7100
Thorium-230	U	0.0328	pCi/L	0.06	0.39	RL-7128
Tritium	U	-77.9	pCi/L	151	253	704R7

## SVOA

1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260

## VOA

1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	UY	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	U	0.01	mg/L		0.01	SW846-8260
Acrolein	U	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	UY	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260

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## MW221

### 20553

Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Cyanide	JU	0.05 mg/L	0.05	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.01 mg/L	0.01	SW846-9020B

# Paducah-OREIS Data Report

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## MW222 20553 MW222SG1-06

Collected: 10/19/2005

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	2	mg/L		2	SW846-9056
Chloride		30	mg/L		2	SW846-9056
Fluoride		0.32	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		10	mg/L		2	SW846-9056
<b>METAL</b>						
Aluminum		2.64	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic	U	0.01	mg/L		0.01	SW846-6020
Barium		0.763	mg/L		0.05	SW846-6020
Barium, Dissolved		0.809	mg/L		0.05	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6010A
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		16.5	mg/L		1	SW846-6010A
Chromium	U	0.2	mg/L		0.2	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Cobalt		0.0552	mg/L		0.01	SW846-6020
Copper	U	0.2	mg/L		0.2	SW846-6020
Iron		2.36	mg/L		0.1	SW846-6010A
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		7.64	mg/L		0.02	SW846-6010A
Manganese		6.28	mg/L		0.05	SW846-6020
Mercury	UW	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	B	0.00106	mg/L		0.001	SW846-6020
Nickel	U	0.05	mg/L		0.05	SW846-6020
Potassium		0.794	mg/L		0.2	SW846-6010A
Rhodium	BUX	0.005	mg/L		0.005	SW846-6020
Selenium	U	0.005	mg/L		0.005	SW846-6020
Silver	U	0.001	mg/L		0.001	SW846-6020
Sodium		42.3	mg/L		1	SW846-6010A
Tantalum	UX	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.2	mg/L		0.2	SW846-6020
Zinc	JU	0.2	mg/L		0.2	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.83	Inches/Hg			
<b>PHYSC</b>						
Conductivity		337	umho/cm			
Depth to Water		70.88	ft			
Dissolved Oxygen		1.39	mg/L			
Dissolved Solids	JU	500	mg/L		500	EPA-160.1
pH		6.6	Std Unit			
Redox		117	mV			
Suspended Solids	U	13	mg/L		13	EPA-160.2
Temperature		62.5	deg F			
Turbidity		36.9	NTU			

## MW222

## 20553

## RADS

Alpha activity	U	1.6	pCi/L	1.21	3.08	SW846-9310
Beta activity	U	0.745	pCi/L	0.19	4.59	SW846-9310
Iodine-131	U	3.96	pCi/L	7.92	13.8	RL-7124
Radium	U	-0.117	pCi/L	0.11	0.79	RL-7113
Radium-224	U	0.0249	pCi/L	0.06	0.19	RL-7129
Radium-226	U	0.0993	pCi/L	0.13	0.32	RL-7129
Radium-228		9.53	pCi/L	1.65	8.15	RL-7129
Strontium-90	U	-0.198	pCi/L	0.03	1.37	RL-7140
Technetium-99	U	5.54	pCi/L	11.9	17.4	RL-7100
Thorium-230	U	0.0224	pCi/L	0.05	0.41	RL-7128
Tritium	U	-23.2	pCi/L	152	253	704R7

## SVOA

1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260

## VOA

1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	UY	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	U	0.01	mg/L		0.01	SW846-8260
Acrolein	U	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260

# Paducah-OREIS Data Report

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## MW222

### 20553

Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Cyanide	JU	0.05 mg/L	0.05	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		1.1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.01 mg/L	0.01	SW846-9020B

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# Paducah-OREIS Data Report

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**MW223**  
**20553**  
**MW223SG1-06**

Collected: 10/19/2005

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	2	mg/L		2	SW846-9056
Chloride		37	mg/L		2	SW846-9056
Fluoride		0.28	mg/L		0.1	9214
Nitrate as Nitrogen		1.2	mg/L		1	SW846-9056
Sulfate		9.8	mg/L		2	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic		0.00156	mg/L		0.001	SW846-6020
Barium		0.419	mg/L		0.005	SW846-6020
Barium, Dissolved		0.415	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6010A
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		19.1	mg/L		1	SW846-6010A
Chromium	U	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Cobalt		0.00674	mg/L		0.001	SW846-6020
Copper	U	0.02	mg/L		0.02	SW846-6020
Iron		0.191	mg/L		0.1	SW846-6010A
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		7.73	mg/L		0.02	SW846-6010A
Manganese		0.885	mg/L		0.005	SW846-6020
Mercury	UW	0.0002	mg/L		0.0002	SW846-7470
Molybdenum		0.00657	mg/L		0.001	SW846-6020
Nickel		0.0627	mg/L		0.005	SW846-6020
Potassium		4.5	mg/L		0.2	SW846-6010A
Rhodium	BUX	0.005	mg/L		0.005	SW846-6020
Selenium		0.00574	mg/L		0.005	SW846-6020
Silver	U	0.001	mg/L		0.001	SW846-6020
Sodium		40.8	mg/L		1	SW846-6010A
Tantalum	UX	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	JU	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.83	Inches/Hg			
<b>PHYSC</b>						
Conductivity		367	umho/cm			
Depth to Water		70.05	ft			
Dissolved Oxygen		1.88	mg/L			
Dissolved Solids	JU	500	mg/L		500	EPA-160.1
pH		6.31	Std Unit			
Redox		127	mV			
Suspended Solids	U	13	mg/L		13	EPA-160.2
Temperature		60.8	deg F			
Turbidity		4.5	NTU			

# Paducah-OREIS Data Report

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## MW223

### 20553

#### RADS

Alpha activity	U	1.26	pCi/L	0.95	3.2	SW846-9310
Beta activity		5.65	pCi/L	1.14	4.64	SW846-9310
Iodine-131	U	1.25	pCi/L	2.5	13.2	RL-7124
Radium	U	-0.0364	pCi/L	0.03	0.79	RL-7113
Radium-224		0.313	pCi/L	0.21	0.19	RL-7129
Radium-226		0.567	pCi/L	0.27	0.31	RL-7129
Radium-228	U	2.13	pCi/L	0.44	8.23	RL-7129
Strontium-90	U	-0.382	pCi/L	0.06	1.44	RL-7140
Technetium-99	U	10.6	pCi/L	12.1	17.4	RL-7100
Thorium-230	UT	0.0443	pCi/L	0.1	0.48	RL-7128
Tritium	U	-33.7	pCi/L	152	253	704R7

#### SVOA

1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260

#### VOA

1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	UY	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	U	0.01	mg/L		0.01	SW846-8260
Acrolein	U	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260



# Paducah-OREIS Data Report

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## MW223

### 20553

Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Cyanide	JU	0.05 mg/L	0.05	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.01 mg/L	0.01	SW846-9020B

# Paducah-OREIS Data Report

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**MW224**  
**20553**  
**MW224SG1-06**

Collected: 10/19/2005

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	2	mg/L		2	SW846-9056
Chloride		25	mg/L		2	SW846-9056
Fluoride		0.32	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		14	mg/L		2	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic	U	0.01	mg/L		0.01	SW846-6020
Barium		0.391	mg/L		0.005	SW846-6020
Barium, Dissolved		0.409	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6010A
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		26.8	mg/L		1	SW846-6010A
Chromium	U	0.2	mg/L		0.2	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Cobalt		0.024	mg/L		0.01	SW846-6020
Copper	U	0.2	mg/L		0.2	SW846-6020
Iron	U	0.1	mg/L		0.1	SW846-6010A
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		12	mg/L		0.02	SW846-6010A
Manganese		1.83	mg/L		0.05	SW846-6020
Mercury	UW	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	U	0.05	mg/L		0.05	SW846-6020
Potassium		0.872	mg/L		0.2	SW846-6010A
Rhodium	BUX	0.005	mg/L		0.005	SW846-6020
Selenium	U	0.005	mg/L		0.005	SW846-6020
Silver	U	0.001	mg/L		0.001	SW846-6020
Sodium		64.6	mg/L		1	SW846-6010A
Tantalum	UX	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.2	mg/L		0.2	SW846-6020
Zinc	JU	0.2	mg/L		0.2	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.83	Inches/Hg			
<b>PHYSC</b>						
Conductivity		497	umho/cm			
Depth to Water		71.34	ft			
Dissolved Oxygen		1	mg/L			
Dissolved Solids	JU	500	mg/L		500	EPA-160.1
pH		6.45	Std Unit			
Redox		153	mV			
Suspended Solids	U	13	mg/L		13	EPA-160.2
Temperature		66	deg F			
Turbidity		2.1	NTU			

# Paducah-OREIS Data Report

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## MW224

### 20553

#### RADS

Alpha activity	U	2.26	pCi/L	1.6	3.7	SW846-9310
Beta activity	U	1.44	pCi/L	0.35	4.84	SW846-9310
Iodine-131	U	-2.44	pCi/L	4.88	12.5	RL-7124
Radium	U	0.0458	pCi/L	0.12	0.79	RL-7113
Radium-224	U	0.018	pCi/L	0.05	0.2	RL-7129
Radium-226	U	0.155	pCi/L	0.15	0.36	RL-7129
Radium-228		13.2	pCi/L	2.23	9.88	RL-7129
Strontium-90	U	0.016	pCi/L	0.0026	1.46	RL-7140
Technetium-99	U	11.1	pCi/L	12.1	17.4	RL-7100
Thorium-230	U	0.0218	pCi/L	0.07	0.38	RL-7128
Tritium	U	-126	pCi/L	150	253	704R7

#### SVOA

1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260

#### VOA

1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	UY	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	U	0.01	mg/L		0.01	SW846-8260
Acrolein	U	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	UY	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260

# Paducah-OREIS Data Report

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## MW224

### 20553

Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Cyanide	JU	0.05 mg/L	0.05	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.01 mg/L	0.01	SW846-9020B

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# Paducah-OREIS Data Report

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12/18/2007

**MW384**  
**20553**  
**MW384SG1-06**

Collected: 10/17/2005

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	2	mg/L		2	SW846-9056
Chloride		69	mg/L		10	SW846-9056
Fluoride		0.28	mg/L		0.1	9214
Nitrate as Nitrogen		1.2	mg/L		1	SW846-9056
Sulfate		23	mg/L		2	SW846-9056
<b>METAL</b>						
Aluminum		0.287	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic		0.00806	mg/L		0.001	SW846-6020
Barium		0.224	mg/L		0.005	SW846-6020
Barium, Dissolved		0.182	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6010A
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		36.2	mg/L		1	SW846-6010A
Chromium	U	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Cobalt		0.00154	mg/L		0.001	SW846-6020
Copper	U	0.02	mg/L		0.02	SW846-6020
Iron		4.39	mg/L		0.1	SW846-6010A
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		13.9	mg/L		0.02	SW846-6010A
Manganese		0.397	mg/L		0.005	SW846-6020
Mercury	UW	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	U	0.005	mg/L		0.005	SW846-6020
Potassium		1.26	mg/L		0.2	SW846-6010A
Rhodium	BUX	0.005	mg/L		0.005	SW846-6020
Selenium		0.00908	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		68.9	mg/L		1	SW846-6010A
Tantalum	UX	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.97	Inches/Hg			
<b>PHYSC</b>						
Conductivity		728	umho/cm			
Depth to Water		41.21	ft			
Dissolved Oxygen		1.16	mg/L			
Dissolved Solids	JU	500	mg/L		500	EPA-160.1
pH		3.9	Std Unit			
Redox		129	mV			
Suspended Solids	U	13	mg/L		13	EPA-160.2
Temperature		60.5	deg F			
Turbidity		10.4	NTU			

# Paducah-OREIS Data Report

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## MW384

### 20553

#### RADS

Alpha activity		7.31	pCi/L	1.62	3.99	SW846-9310
Beta activity		283	pCi/L	12.2	4.95	SW846-9310
Iodine-131	U	4.7	pCi/L	9.4	17.2	RL-7124
Radium	U	0.0129	pCi/L	0.12	0.79	RL-7113
Radium-224	U	-0.0095	pCi/L	0	0.19	RL-7129
Radium-226	U	0.12	pCi/L	0.12	0.45	RL-7129
Radium-228	U	-2.26	pCi/L	0.41	7.22	RL-7129
Strontium-90	U	0	pCi/L	0	1.48	RL-7140
Technetium-99		455	pCi/L	23.5	18.8	RL-7100
Thorium-230	U	0.108	pCi/L	0.09	0.39	RL-7128
Tritium	U	31.6	pCi/L	153	253	704R7

#### SVOA

1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260

#### VOA

1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	UY	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	U	0.01	mg/L		0.01	SW846-8260
Acrolein	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260

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## MW384

### 20553

Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene		0.0012 mg/L	0.001	SW846-8260
Trichlorofluoromethane	JU	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)		137 mg/L	50	EPA-410.4 1978
Cyanide	U	0.05 mg/L	0.05	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	D	80.9 mg/L	10	SW846-9060
Total Organic Halides (TOX)		0.0269 mg/L	0.01	SW846-9020B

# Paducah-OREIS Data Report

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**MW385**  
**20553**  
**MW385SG1-06**

Collected: 10/17/2005

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	2	mg/L		2	SW846-9056
Chloride		31	mg/L		2	SW846-9056
Fluoride		0.18	mg/L		0.1	9214
Nitrate as Nitrogen		1.3	mg/L		1	SW846-9056
Sulfate		15	mg/L		2	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic		0.00154	mg/L		0.001	SW846-6020
Barium		0.165	mg/L		0.005	SW846-6020
Barium, Dissolved		0.159	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6010A
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		37	mg/L		1	SW846-6010A
Chromium	U	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Cobalt	U	0.001	mg/L		0.001	SW846-6020
Copper	U	0.02	mg/L		0.02	SW846-6020
Iron	U	0.1	mg/L		0.1	SW846-6010A
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		11.4	mg/L		0.02	SW846-6010A
Manganese		0.0254	mg/L		0.005	SW846-6020
Mercury	UW	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	B	0.00108	mg/L		0.001	SW846-6020
Nickel	U	0.005	mg/L		0.005	SW846-6020
Potassium		1.89	mg/L		0.2	SW846-6010A
Rhodium	BUX	0.005	mg/L		0.005	SW846-6020
Selenium	U	0.005	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		33.3	mg/L		1	SW846-6010A
Tantalum	UX	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved		0.00146	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.97	Inches/Hg			
<b>PHYSC</b>						
Conductivity		489	umho/cm			
Depth to Water		41.56	ft			
Dissolved Oxygen		1.5	mg/L			
Dissolved Solids	JU	500	mg/L		500	EPA-160.1
pH		7.09	Std Unit			
Redox		94	mV			
Suspended Solids	U	13	mg/L		13	EPA-160.2
Temperature		62.9	deg F			
Turbidity		24.6	NTU			



# Paducah-OREIS Data Report

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## MW385

### 20553

#### RADS

Alpha activity	U	2.96	pCi/L	0.96	2.97	SW846-9310
Beta activity		111	pCi/L	7.17	4.55	SW846-9310
Iodine-131	U	0.232	pCi/L	0.46	12.1	RL-7124
Radium	U	0.225	pCi/L	0.13	0.79	RL-7113
Radium-224	U	0.0213	pCi/L	0.06	0.18	RL-7129
Radium-226	U	0.28	pCi/L	0.19	0.45	RL-7129
Radium-228		4.74	pCi/L	0.81	4.42	RL-7129
Strontium-90	U	-0.0353	pCi/L	0.0057	1.44	RL-7140
Technetium-99		177	pCi/L	17.7	18.8	RL-7100
Thorium-230	U	0.321	pCi/L	0.14	0.4	RL-7128
Tritium	U	-116	pCi/L	150	253	704R7

#### SVOA

1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260

#### VOA

1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	UY	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	U	0.01	mg/L		0.01	SW846-8260
Acrolein	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260

# Paducah-OREIS Data Report

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## MW385

### 20553

Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	JU	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Cyanide	U	0.05 mg/L	0.05	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		1.2 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.01 mg/L	0.01	SW846-9020B

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# Paducah-OREIS Data Report

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**MW386**  
**20553**  
**MW386SG1-06**

Collected: 10/17/2005

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	2	mg/L		2	SW846-9056
Chloride		35	mg/L		2	SW846-9056
Fluoride		0.43	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		22	mg/L		2	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic	U	0.01	mg/L		0.01	SW846-6020
Barium		0.174	mg/L		0.005	SW846-6020
Barium, Dissolved		0.185	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6010A
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		27.6	mg/L		1	SW846-6010A
Chromium	U	0.2	mg/L		0.2	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Cobalt	U	0.01	mg/L		0.01	SW846-6020
Copper	U	0.2	mg/L		0.2	SW846-6020
Iron		6.54	mg/L		0.1	SW846-6010A
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		11.8	mg/L		0.02	SW846-6010A
Manganese		1.02	mg/L		0.05	SW846-6020
Mercury	UW	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	U	0.05	mg/L		0.05	SW846-6020
Potassium		0.597	mg/L		0.2	SW846-6010A
Rhodium	BUX	0.005	mg/L		0.005	SW846-6020
Selenium	U	0.005	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		114	mg/L		1	SW846-6010A
Tantalum	UX	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.2	mg/L		0.2	SW846-6020
Zinc	JU	0.2	mg/L		0.2	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.97	Inches/Hg			
<b>PHYSC</b>						
Conductivity		711	umho/cm			
Depth to Water		20.1	ft			
Dissolved Oxygen		1.26	mg/L			
Dissolved Solids	JU	500	mg/L		500	EPA-160.1
pH		6.34	Std Unit			
Redox		-7	mV			
Suspended Solids	*J	14	mg/L		11	EPA-160.2
Temperature		64.6	deg F			
Turbidity		41	NTU			

## MW386

## 20553

## RADS

Alpha activity	U	1.97	pCi/L	1.61	4.84	SW846-9310
Beta activity	U	1.01	pCi/L	0.25	5.32	SW846-9310
Iodine-131	U	1.1	pCi/L	2.2	13	RL-7124
Radium	U	-0.0153	pCi/L	0.01	0.79	RL-7113
Radium-224	U	-0.0095	pCi/L	0	0.19	RL-7129
Radium-226	U	0.152	pCi/L	0.15	0.3	RL-7129
Radium-228	U	5.05	pCi/L	0.9	5.68	RL-7129
Strontium-90	U	0.754	pCi/L	0.1	1.38	RL-7140
Technetium-99	U	5.82	pCi/L	11.9	17.4	RL-7100
Thorium-230	U	0.0656	pCi/L	0.07	0.39	RL-7128
Tritium	U	4.21	pCi/L	152	253	704R7

## SVOA

1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260

## VOA

1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	UY	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	U	0.01	mg/L		0.01	SW846-8260
Acrolein	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	JU	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260

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## MW386

### 20553

Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	JU	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)		66 mg/L	25	EPA-410.4 1978
Cyanide	U	0.05 mg/L	0.05	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	D	24.3 mg/L	10	SW846-9060
Total Organic Halides (TOX)		0.401 mg/L	0.01	SW846-9020B

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# Paducah-OREIS Data Report

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**MW387**  
**20553**  
**MW387SG1-06**

Collected: 10/18/2005

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	2	mg/L		2	SW846-9056
Chloride		48	mg/L		2	SW846-9056
Fluoride		0.88	mg/L		0.1	9214
Nitrate as Nitrogen		1.7	mg/L		1	SW846-9056
Sulfate		30	mg/L		2	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic		0.0024	mg/L		0.001	SW846-6020
Barium		0.163	mg/L		0.005	SW846-6020
Barium, Dissolved		0.17	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6010A
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		33.6	mg/L		1	SW846-6010A
Chromium	U	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Cobalt	U	0.001	mg/L		0.001	SW846-6020
Copper	U	0.02	mg/L		0.02	SW846-6020
Iron		0.157	mg/L		0.1	SW846-6010A
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		14	mg/L		0.02	SW846-6010A
Manganese	U	0.005	mg/L		0.005	SW846-6020
Mercury	UW	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	U	0.005	mg/L		0.005	SW846-6020
Potassium		2.09	mg/L		0.2	SW846-6010A
Rhodium	BUX	0.005	mg/L		0.005	SW846-6020
Selenium		0.00533	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		48.4	mg/L		1	SW846-6010A
Tantalum	UX	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.83	Inches/Hg			
<b>PHYSC</b>						
Conductivity		507	umho/cm			
Depth to Water		39.34	ft			
Dissolved Oxygen		4.74	mg/L			
Dissolved Solids	JU	500	mg/L		500	EPA-160.1
pH		6.2	Std Unit			
Redox		168	mV			
Suspended Solids	JU	11	mg/L		11	EPA-160.2
Temperature		66.1	deg F			
Turbidity		59	NTU			

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## MW387

### 20553

#### RADS

Alpha activity	U	-3.09	pCi/L	1.54	3.37	SW846-9310
Beta activity		96.3	pCi/L	6.77	4.71	SW846-9310
Iodine-131	U	4.52	pCi/L	9.04	16.2	RL-7124
Radium	U	-0.034	pCi/L	0.03	0.79	RL-7113
Radium-224	U	-0.0095	pCi/L	0	0.35	RL-7129
Radium-226	U	-0.0529	pCi/L	0.09	0.35	RL-7129
Radium-228	U	8.38	pCi/L	1.52	10.8	RL-7129
Strontium-90	U	0.387	pCi/L	0.05	1.51	RL-7140
Technetium-99		135	pCi/L	16.6	18.8	RL-7100
Thorium-230	U	0.0233	pCi/L	0.06	0.38	RL-7128
Tritium	U	-133	pCi/L	150	253	704R7

#### SVOA

1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260

#### VOA

1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	UY	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	U	0.01	mg/L		0.01	SW846-8260
Acrolein	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260

# Paducah-OREIS Data Report

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## MW387

### 20553

Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene		0.0012 mg/L	0.001	SW846-8260
Trichlorofluoromethane	JU	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Cyanide	U	0.05 mg/L	0.05	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.01 mg/L	0.01	SW846-9020B

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# Paducah-OREIS Data Report

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12/18/2007

**MW388**  
**20553**  
**MW388SG1-06**

Collected: 10/18/2005

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	2	mg/L		2	SW846-9056
Chloride		39	mg/L		2	SW846-9056
Fluoride		0.19	mg/L		0.1	9214
Nitrate as Nitrogen		1.7	mg/L		1	SW846-9056
Sulfate		17	mg/L		2	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic		0.00158	mg/L		0.001	SW846-6020
Barium		0.192	mg/L		0.005	SW846-6020
Barium, Dissolved		0.199	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6010A
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		24	mg/L		1	SW846-6010A
Chromium	U	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Cobalt	U	0.001	mg/L		0.001	SW846-6020
Copper	U	0.02	mg/L		0.02	SW846-6020
Iron	U	0.1	mg/L		0.1	SW846-6010A
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		10.4	mg/L		0.02	SW846-6010A
Manganese	U	0.005	mg/L		0.005	SW846-6020
Mercury	UW	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	U	0.005	mg/L		0.005	SW846-6020
Potassium		1.89	mg/L		0.2	SW846-6010A
Rhodium	BUX	0.005	mg/L		0.005	SW846-6020
Selenium		0.00607	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		39.4	mg/L		1	SW846-6010A
Tantalum	UX	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.83	Inches/Hg			
<b>PHYSC</b>						
Conductivity		394	umho/cm			
Depth to Water		39.31	ft			
Dissolved Oxygen		5.23	mg/L			
Dissolved Solids	JU	500	mg/L		500	EPA-160.1
pH		6.2	Std Unit			
Redox		178	mV			
Suspended Solids	JU	11	mg/L		11	EPA-160.2
Temperature		67.3	deg F			
Turbidity		4.3	NTU			

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## MW388

### 20553

#### RADS

Alpha activity		3.73	pCi/L	1.52	3.04	SW846-9310
Beta activity		43.9	pCi/L	4.34	4.57	SW846-9310
Iodine-131	U	6.59	pCi/L	13.2	15.6	RL-7124
Radium	U	-0.148	pCi/L	0.14	0.79	RL-7113
Radium-224	U	0.0272	pCi/L	0.07	0.2	RL-7129
Radium-226		0.341	pCi/L	0.22	0.33	RL-7129
Radium-228	U	3.35	pCi/L	0.67	11.3	RL-7129
Strontium-90	U	0.102	pCi/L	0.01	1.46	RL-7140
Technetium-99		70.4	pCi/L	14.9	18.8	RL-7100
Thorium-230	U	0.169	pCi/L	0.09	0.39	RL-7128
Tritium	U	-33.7	pCi/L	152	253	704R7

#### SVOA

1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260

#### VOA

1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	UY	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	U	0.01	mg/L		0.01	SW846-8260
Acrolein	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260

# Paducah-OREIS Data Report

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## MW388

### 20553

Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	JU	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Cyanide	U	0.05 mg/L	0.05	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.01 mg/L	0.01	SW846-9020B

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# Paducah-OREIS Data Report

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12/18/2007

**MW390**  
**20553**  
**MW390SG1-06**

Collected: 10/18/2005

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide		2.3	mg/L		2	SW846-9056
Chloride		253	mg/L		20	SW846-9056
Fluoride		0.21	mg/L		0.1	9214
Nitrate as Nitrogen		1.7	mg/L		1	SW846-9056
Sulfate		8.7	mg/L		2	SW846-9056
<b>METAL</b>						
Aluminum		1.5	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic	U	0.01	mg/L		0.01	SW846-6020
Barium		0.527	mg/L		0.005	SW846-6020
Barium, Dissolved		0.538	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6010A
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		65.4	mg/L		1	SW846-6010A
Chromium	U	0.2	mg/L		0.2	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Cobalt	U	0.01	mg/L		0.01	SW846-6020
Copper	U	0.2	mg/L		0.2	SW846-6020
Iron		0.918	mg/L		0.1	SW846-6010A
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		27	mg/L		0.02	SW846-6010A
Manganese	U	0.05	mg/L		0.05	SW846-6020
Mercury	UW	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	B	0.00131	mg/L		0.001	SW846-6020
Nickel	U	0.05	mg/L		0.05	SW846-6020
Potassium		0.764	mg/L		0.2	SW846-6010A
Rhodium	BUX	0.005	mg/L		0.005	SW846-6020
Selenium		0.0218	mg/L		0.005	SW846-6020
Silver	U	0.001	mg/L		0.001	SW846-6020
Sodium		116	mg/L		1	SW846-6010A
Tantalum	UX	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.2	mg/L		0.2	SW846-6020
Zinc	JU	0.2	mg/L		0.2	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.83	Inches/Hg			
<b>PHYSC</b>						
Conductivity		1137	umho/cm			
Depth to Water		36.43	ft			
Dissolved Oxygen		2.83	mg/L			
Dissolved Solids	J	641	mg/L		500	EPA-160.1
pH		6.2	Std Unit			
Redox		155	mV			
Suspended Solids	*J	15	mg/L		11	EPA-160.2
Temperature		63	deg F			
Turbidity		16.6	NTU			

**MW390**

**20553**

**RADS**

Alpha activity	U	4.51	pCi/L	2.02	4.99	SW846-9310
Beta activity		46.9	pCi/L	4.84	5.38	SW846-9310
Iodine-131	U	1.84	pCi/L	3.68	14.5	RL-7124
Radium	U	-0.422	pCi/L	0.42	0.79	RL-7113
Radium-224	U	-0.026	pCi/L	0.02	0.19	RL-7129
Radium-226	U	0.0913	pCi/L	0.13	0.3	RL-7129
Radium-228	U	1.43	pCi/L	0.29	5.05	RL-7129
Strontium-90	U	0.115	pCi/L	0.01	1.43	RL-7140
Technetium-99		77.9	pCi/L	15.1	18.8	RL-7100
Thorium-230	U	0.0521	pCi/L	0.06	0.39	RL-7128
Tritium	U	122	pCi/L	154	253	704R7

**SVOA**

1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260

**VOA**

1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	UY	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	U	0.01	mg/L		0.01	SW846-8260
Acrolein	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260

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## MW390

### 20553

Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	JU	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Cyanide	U	0.05 mg/L	0.05	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		2.2 mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.0158 mg/L	0.01	SW846-9020B

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# Paducah-OREIS Data Report

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**MW391**

**20553**

**MW391SG1-06**

Collected: 10/18/2005

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	2	mg/L		2	SW846-9056
Chloride		45	mg/L		2	SW846-9056
Fluoride		0.14	mg/L		0.1	9214
Nitrate as Nitrogen		1.1	mg/L		1	SW846-9056
Sulfate		9.3	mg/L		2	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic		0.00155	mg/L		0.001	SW846-6020
Barium		0.224	mg/L		0.005	SW846-6020
Barium, Dissolved		0.23	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6010A
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		24.3	mg/L		1	SW846-6010A
Chromium	U	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Cobalt	U	0.001	mg/L		0.001	SW846-6020
Copper	U	0.02	mg/L		0.02	SW846-6020
Iron		0.227	mg/L		0.1	SW846-6010A
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		9.9	mg/L		0.02	SW846-6010A
Manganese	U	0.005	mg/L		0.005	SW846-6020
Mercury	UW	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	U	0.005	mg/L		0.005	SW846-6020
Potassium		1.45	mg/L		0.2	SW846-6010A
Rhodium	BUX	0.005	mg/L		0.005	SW846-6020
Selenium		0.00718	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		29.5	mg/L		1	SW846-6010A
Tantalum	UX	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.83	Inches/Hg			
<b>PHYSC</b>						
Conductivity		357	umho/cm			
Depth to Water		42.64	ft			
Dissolved Oxygen		3.95	mg/L			
Dissolved Solids	JU	500	mg/L		500	EPA-160.1
pH		6.39	Std Unit			
Redox		100	mV			
Suspended Solids	JU	11	mg/L		11	EPA-160.2
Temperature		64.6	deg F			
Turbidity		4.5	NTU			

**MW391**

**20553**

**RADS**

Alpha activity	U	2.22	pCi/L	1.4	2.88	SW846-9310
Beta activity	U	3.42	pCi/L	0.75	4.51	SW846-9310
Iodine-131	U	-3.65	pCi/L	7.29	14.5	RL-7124
Radium	U	-0.0188	pCi/L	0.01	0.79	RL-7113
Radium-224	U	0.0604	pCi/L	0.14	0.21	RL-7129
Radium-226	U	0.179	pCi/L	0.2	0.32	RL-7129
Radium-228	U	5.1	pCi/L	0.94	7.71	RL-7129
Strontium-90	U	-0.0866	pCi/L	0.01	1.44	RL-7140
Technetium-99	U	-1.62	pCi/L	12.1	18.5	RL-7100
Thorium-230	U	0.079	pCi/L	0.07	0.4	RL-7128
Tritium	U	-6.32	pCi/L	152	253	704R7

**SVOA**

1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260

**VOA**

1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	UY	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	U	0.01	mg/L		0.01	SW846-8260
Acrolein	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260



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## MW391

### 20553

Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene		0.014 mg/L	0.001	SW846-8260
Trichlorofluoromethane	JU	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Cyanide	U	0.05 mg/L	0.05	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.0108 mg/L	0.01	SW846-9020B

# Paducah-OREIS Data Report

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**MW392**  
**20553**  
**MW392SG1-06**

Collected: 10/18/2005

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	2	mg/L		2	SW846-9056
Chloride		45	mg/L		2	SW846-9056
Fluoride		0.25	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate	U	2	mg/L		2	SW846-9056
<b>METAL</b>						
Aluminum		0.249	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic		0.00342	mg/L		0.001	SW846-6020
Barium		0.244	mg/L		0.005	SW846-6020
Barium, Dissolved		0.25	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6010A
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		23.5	mg/L		1	SW846-6010A
Chromium	U	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Cobalt		0.0035	mg/L		0.001	SW846-6020
Copper	U	0.02	mg/L		0.02	SW846-6020
Iron		8.71	mg/L		0.1	SW846-6010A
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		9.4	mg/L		0.02	SW846-6010A
Manganese		1.49	mg/L		0.05	SW846-6020
Mercury	UW	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	U	0.005	mg/L		0.005	SW846-6020
Potassium		1.75	mg/L		0.2	SW846-6010A
Rhodium	BUX	0.005	mg/L		0.005	SW846-6020
Selenium	U	0.005	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		35.4	mg/L		1	SW846-6010A
Tantalum	UX	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.83	Inches/Hg			
<b>PHYSC</b>						
Conductivity		390	umho/cm			
Depth to Water		41.8	ft			
Dissolved Oxygen		0.65	mg/L			
Dissolved Solids	JU	500	mg/L		500	EPA-160.1
pH		6.28	Std Unit			
Redox		-86	mV			
Suspended Solids	*JX	10	mg/L		10	EPA-160.2
Temperature		59.5	deg F			
Turbidity		11.3	NTU			

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## MW392

### 20553

#### RADS

Alpha activity		4.07	pCi/L	2.1	3.02	SW846-9310
Beta activity	U	1.85	pCi/L	0.44	4.57	SW846-9310
Iodine-131	U	0.511	pCi/L	1.02	13.4	RL-7124
Radium	U	0.161	pCi/L	0.13	0.79	RL-7113
Radium-224	U	-0.0163	pCi/L	0.01	0.17	RL-7129
Radium-226	U	0.117	pCi/L	0.13	0.3	RL-7129
Radium-228	U	4.59	pCi/L	0.84	6.49	RL-7129
Strontium-90	U	0.017	pCi/L	0.0027	1.43	RL-7140
Technetium-99	U	-4.12	pCi/L	12.3	18.5	RL-7100
Thorium-230	U	0.0325	pCi/L	0.06	0.39	RL-7128
Tritium	U	-110	pCi/L	150	253	704R7

#### SVOA

1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260

#### VOA

1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	UY	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	U	0.01	mg/L		0.01	SW846-8260
Acrolein	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260

# Paducah-OREIS Data Report

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## MW392

### 20553

Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene		0.011 mg/L	0.001	SW846-8260
Trichlorofluoromethane	JU	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Cyanide	U	0.05 mg/L	0.05	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		4.5 mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.0349 mg/L	0.01	SW846-9020B

# Paducah-OREIS Data Report

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**MW393**  
**20553**  
**MW393SG1-06**

Collected: 10/18/2005

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	2	mg/L		2	SW846-9056
Chloride		20	mg/L		2	SW846-9056
Fluoride		0.14	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		9.7	mg/L		2	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic	U	0.01	mg/L		0.01	SW846-6020
Barium		0.108	mg/L		0.005	SW846-6020
Barium, Dissolved		0.109	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6010A
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		12.4	mg/L		1	SW846-6010A
Chromium	U	0.2	mg/L		0.2	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Cobalt	U	0.01	mg/L		0.01	SW846-6020
Copper	U	0.2	mg/L		0.2	SW846-6020
Iron		6.8	mg/L		0.1	SW846-6010A
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		4.02	mg/L		0.02	SW846-6010A
Manganese	U	0.05	mg/L		0.05	SW846-6020
Mercury	UW	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	U	0.05	mg/L		0.05	SW846-6020
Potassium		0.429	mg/L		0.2	SW846-6010A
Rhodium	BUX	0.005	mg/L		0.005	SW846-6020
Selenium	U	0.005	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		77.6	mg/L		1	SW846-6010A
Tantalum	UX	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.2	mg/L		0.2	SW846-6020
Zinc	JU	0.2	mg/L		0.2	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.83	Inches/Hg			
<b>PHYSC</b>						
Conductivity		439	umho/cm			
Depth to Water		25.68	ft			
Dissolved Oxygen		1.46	mg/L			
Dissolved Solids	JU	500	mg/L		500	EPA-160.1
pH		6.29	Std Unit			
Redox		1	mV			
Suspended Solids	JU	13	mg/L		13	EPA-160.2
Temperature		61.5	deg F			
Turbidity		4.7	NTU			

## MW393

## 20553

## RADS

Alpha activity	U	-0.46	pCi/L	0.92	3.54	SW846-9310
Beta activity	U	0.904	pCi/L	0.23	4.77	SW846-9310
Iodine-131	U	-5.97	pCi/L	11.9	9.76	RL-7124
Radium	U	-1.02	pCi/L	1.02	0.79	RL-7113
Radium-224	U	0.028	pCi/L	0.07	0.2	RL-7129
Radium-226	U	0.0812	pCi/L	0.12	0.32	RL-7129
Radium-228	U	4.27	pCi/L	0.82	9.36	RL-7129
Strontium-90	U	0.266	pCi/L	0.04	1.41	RL-7140
Technetium-99	U	-4.85	pCi/L	12.2	18.5	RL-7100
Thorium-230	U	0.0671	pCi/L	0.07	0.39	RL-7128
Tritium	U	-27.4	pCi/L	152	253	704R7

## SVOA

1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260

## VOA

1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	UY	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	U	0.01	mg/L		0.01	SW846-8260
Acrolein	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260

# Paducah-OREIS Data Report

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## MW393

### 20553

Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	JU	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Cyanide	U	0.05 mg/L	0.05	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		5.8 mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.0775 mg/L	0.01	SW846-9020B

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# Paducah-OREIS Data Report

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**MW394**  
**20553**  
**MW394SG1-06**

Collected: 10/17/2005

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	2	mg/L		2	SW846-9056
Chloride		58	mg/L		5	SW846-9056
Fluoride		0.15	mg/L		0.1	9214
Nitrate as Nitrogen		1.3	mg/L		1	SW846-9056
Sulfate		8.3	mg/L		2	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic		0.00196	mg/L		0.001	SW846-6020
Barium		0.231	mg/L		0.005	SW846-6020
Barium, Dissolved		0.239	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6010A
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		28.2	mg/L		1	SW846-6010A
Chromium	U	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Cobalt	U	0.001	mg/L		0.001	SW846-6020
Copper	U	0.02	mg/L		0.02	SW846-6020
Iron	U	0.1	mg/L		0.1	SW846-6010A
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		11.7	mg/L		0.02	SW846-6010A
Manganese		0.0118	mg/L		0.005	SW846-6020
Mercury	UW	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	U	0.005	mg/L		0.005	SW846-6020
Potassium		1.11	mg/L		0.2	SW846-6010A
Rhodium	BUX	0.005	mg/L		0.005	SW846-6020
Selenium		0.00818	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		29.9	mg/L		1	SW846-6010A
Tantalum	UX	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.97	Inches/Hg			
<b>PHYSC</b>						
Conductivity		400	umho/cm			
Depth to Water		54.11	ft			
Dissolved Oxygen		4.74	mg/L			
Dissolved Solids	JU	500	mg/L		500	EPA-160.1
pH		6.21	Std Unit			
Redox		174	mV			
Suspended Solids	U	10	mg/L		10	EPA-160.2
Temperature		61.3	deg F			
Turbidity		8.5	NTU			



## MW394

## 20553

## RADS

Alpha activity	U	1.97	pCi/L	1.31	2.82	SW846-9310
Beta activity	U	2.06	pCi/L	0.49	4.49	SW846-9310
Iodine-131	U	7.69	pCi/L	15.4	17.7	RL-7124
Radium	U	0.0364	pCi/L	0.12	0.79	RL-7113
Radium-224	U	0.0199	pCi/L	0.05	0.33	RL-7129
Radium-226	U	0.0817	pCi/L	0.15	0.38	RL-7129
Radium-228	UX	5.18	pCi/L	0.79	9.07	RL-7129
Strontium-90	U	0.126	pCi/L	0.01	1.4	RL-7140
Technetium-99	U	-0.334	pCi/L	13.1	18.5	RL-7100
Thorium-230	U	0.0291	pCi/L	0.06	0.39	RL-7128
Tritium	U	-27.4	pCi/L	152	253	704R7

## SVOA

1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260

## VOA

1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	UY	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	U	0.01	mg/L		0.01	SW846-8260
Acrolein	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260

# Paducah-OREIS Data Report

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## MW394

### 20553

Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene		0.018 mg/L	0.001	SW846-8260
Trichlorofluoromethane	JU	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Cyanide	U	0.05 mg/L	0.05	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.0186 mg/L	0.01	SW846-9020B

# Paducah-OREIS Data Report

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**MW395**  
**20553**  
**MW395SG1-06**

Collected: 10/17/2005

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	2	mg/L		2	SW846-9056
Chloride		58	mg/L		10	SW846-9056
Fluoride		0.12	mg/L		0.1	9214
Nitrate as Nitrogen		2	mg/L		1	SW846-9056
Sulfate		8.5	mg/L		2	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic		0.00163	mg/L		0.001	SW846-6020
Barium		0.259	mg/L		0.005	SW846-6020
Barium, Dissolved		0.273	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6010A
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		30.4	mg/L		1	SW846-6010A
Chromium	U	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Cobalt	U	0.001	mg/L		0.001	SW846-6020
Copper	U	0.02	mg/L		0.02	SW846-6020
Iron	U	0.1	mg/L		0.1	SW846-6010A
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		12.4	mg/L		0.02	SW846-6010A
Manganese	U	0.005	mg/L		0.005	SW846-6020
Mercury	UW	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	U	0.005	mg/L		0.005	SW846-6020
Potassium		1.6	mg/L		0.2	SW846-6010A
Rhodium	BUX	0.005	mg/L		0.005	SW846-6020
Selenium		0.00714	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		26.5	mg/L		1	SW846-6010A
Tantalum	UX	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.97	Inches/Hg			
<b>PHYSC</b>						
Conductivity		403	umho/cm			
Depth to Water		54.72	ft			
Dissolved Oxygen		4.77	mg/L			
Dissolved Solids	JU	500	mg/L		500	EPA-160.1
pH		6.36	Std Unit			
Redox		208	mV			
Suspended Solids	U	10	mg/L		10	EPA-160.2
Temperature		64.2	deg F			
Turbidity		5.9	NTU			

# Paducah-OREIS Data Report

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## MW395

### 20553

#### RADS

Alpha activity	U	1.09	pCi/L	0.82	2.8	SW846-9310
Beta activity		5.58	pCi/L	1.12	4.48	SW846-9310
Iodine-131	U	-2.85	pCi/L	5.69	12.9	RL-7124
Radium	U	0.146	pCi/L	0.13	0.79	RL-7113
Radium-224	U	0.0201	pCi/L	0.05	0.32	RL-7129
Radium-226	U	0.312	pCi/L	0.26	0.37	RL-7129
Radium-228	UX	2.55	pCi/L	0.41	9.87	RL-7129
Strontium-90	U	-0.234	pCi/L	0.03	1.54	RL-7140
Technetium-99	U	2.79	pCi/L	12.6	18.8	RL-7100
Thorium-230	U	0.0146	pCi/L	0.09	0.4	RL-7128

#### SVOA

1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260

#### VOA

1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	UY	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	U	0.01	mg/L		0.01	SW846-8260
Acrolein	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260

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**20553**

Tetrachloroethene	U	0.005	mg/L	0.005	SW846-8260
Toluene	U	0.005	mg/L	0.005	SW846-8260
Total Xylene	U	0.015	mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L	0.005	SW846-8260
Trichloroethene		0.0076	mg/L	0.001	SW846-8260
Trichlorofluoromethane	JU	0.005	mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01	mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002	mg/L	0.002	SW846-8260
<b>WETCHEM</b>					
Chemical Oxygen Demand (COD)	U	25	mg/L	25	EPA-410.4 1978
Cyanide	U	0.05	mg/L	0.05	SW846-9010-A
Iodide	U	2	mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1	mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.01	mg/L	0.01	SW846-9020B

**MW395SG1-06RE**

Collected: 10/31/2005

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METEO</b>						
Barometric Pressure Reading		30	Inches/Hg			
<b>PHYSC</b>						
Conductivity		413	umho/cm			
Depth to Water		55.13	ft			
Dissolved Oxygen		7.65	mg/L			
pH		6.18	Std Unit			
Redox		187	mV			
Temperature		61.9	deg F			
Turbidity		36.7	NTU			
<b>RADS</b>						
Tritium	U	-92	pCi/L	157	264	704R7

# Paducah-OREIS Data Report

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**MW396**  
**20553**  
**MW396SG1-06**

Collected: 10/17/2005

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	2	mg/L		2	SW846-9056
Chloride		102	mg/L		10	SW846-9056
Fluoride		0.5	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		16	mg/L		2	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic	U	0.01	mg/L		0.01	SW846-6020
Barium		0.371	mg/L		0.005	SW846-6020
Barium, Dissolved		0.382	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6010A
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		43.5	mg/L		1	SW846-6010A
Chromium	U	0.2	mg/L		0.2	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Cobalt	U	0.01	mg/L		0.01	SW846-6020
Copper	U	0.2	mg/L		0.2	SW846-6020
Iron		5.5	mg/L		0.1	SW846-6010A
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		18.9	mg/L		0.02	SW846-6010A
Manganese		0.758	mg/L		0.05	SW846-6020
Mercury	UW	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	U	0.05	mg/L		0.05	SW846-6020
Potassium		1.13	mg/L		0.2	SW846-6010A
Rhodium	BUX	0.005	mg/L		0.005	SW846-6020
Selenium		0.00942	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		128	mg/L		1	SW846-6010A
Tantalum	UX	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.2	mg/L		0.2	SW846-6020
Zinc	JU	0.2	mg/L		0.2	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.97	Inches/Hg			
<b>PHYSC</b>						
Conductivity		932	umho/cm			
Depth to Water		10.62	ft			
Dissolved Oxygen		1.06	mg/L			
Dissolved Solids	J	547	mg/L		500	EPA-160.1
pH		6.61	Std Unit			
Redox		40	mV			
Suspended Solids	U	17	mg/L		17	EPA-160.2
Temperature		64.1	deg F			
Turbidity		19.4	NTU			

## MW396

## 20553

## RADS

Alpha activity	U	4.02	pCi/L	2.68	5.41	SW846-9310
Beta activity	U	0.453	pCi/L	0.12	5.57	SW846-9310
Iodine-131	U	3.56	pCi/L	7.11	15	RL-7124
Radium	U	-0.0716	pCi/L	0.07	0.79	RL-7113
Radium-224	U	-0.0095	pCi/L	0	0.18	RL-7129
Radium-226	U	0.217	pCi/L	0.18	0.33	RL-7129
Radium-228	U	2.86	pCi/L	0.45	6.76	RL-7129
Strontium-90	U	-0.108	pCi/L	0.01	1.43	RL-7140
Technetium-99	U	-4.49	pCi/L	12.6	18.8	RL-7100
Thorium-230	U	0.0566	pCi/L	0.06	0.4	RL-7128
Tritium	U	-92.7	pCi/L	151	253	704R7

## SVOA

1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260

## VOA

1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	UY	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	U	0.01	mg/L		0.01	SW846-8260
Acrolein	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	JU	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260

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### 20553

Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	JU	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Cyanide	U	0.05 mg/L	0.05	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.107 mg/L	0.01	SW846-9020B



# Paducah-OREIS Data Report

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**MW397**  
**20553**  
**MW397SG1-06**

Collected: 10/19/2005

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	2	mg/L		2	SW846-9056
Chloride		44	mg/L		2	SW846-9056
Fluoride		0.13	mg/L		0.1	9214
Nitrate as Nitrogen		2	mg/L		1	SW846-9056
Sulfate		12	mg/L		2	SW846-9056
<b>METAL</b>						
Aluminum		0.322	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic		0.00111	mg/L		0.001	SW846-6020
Barium		0.124	mg/L		0.005	SW846-6020
Barium, Dissolved		0.141	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6010A
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		17.2	mg/L		1	SW846-6010A
Chromium	U	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Cobalt	U	0.001	mg/L		0.001	SW846-6020
Copper	U	0.02	mg/L		0.02	SW846-6020
Iron		0.332	mg/L		0.1	SW846-6010A
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		7.14	mg/L		0.02	SW846-6010A
Manganese	U	0.005	mg/L		0.005	SW846-6020
Mercury	UW	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	U	0.005	mg/L		0.005	SW846-6020
Potassium		1.74	mg/L		0.2	SW846-6010A
Rhodium	BUX	0.005	mg/L		0.005	SW846-6020
Selenium		0.005	mg/L		0.005	SW846-6020
Silver	U	0.001	mg/L		0.001	SW846-6020
Sodium		30.2	mg/L		1	SW846-6010A
Tantalum	UX	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	JU	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.83	Inches/Hg			
<b>PHYSC</b>						
Conductivity		346	umho/cm			
Depth to Water		62.6	ft			
Dissolved Oxygen		5.54	mg/L			
Dissolved Solids	JU	500	mg/L		500	EPA-160.1
pH		6.07	Std Unit			
Redox		208	mV			
Suspended Solids	U	10	mg/L		10	EPA-160.2
Temperature		66.4	deg F			
Turbidity		7	NTU			

# Paducah-OREIS Data Report

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## MW397

### 20553

#### RADS

Alpha activity	U	0.689	pCi/L	0.56	2.82	SW846-9310
Beta activity		7.04	pCi/L	1.33	4.49	SW846-9310
Iodine-131	U	-1.14	pCi/L	2.29	15.9	RL-7124
Radium	U	0.107	pCi/L	0.12	0.75	RL-7113
Radium-224	U	0.189	pCi/L	0.17	0.21	RL-7129
Radium-226		0.558	pCi/L	0.29	0.32	RL-7129
Radium-228	U	2.94	pCi/L	0.61	5.55	RL-7129
Strontium-90	U	0.0297	pCi/L	0.0048	1.37	RL-7140
Technetium-99		23.4	pCi/L	12.5	17.4	RL-7100
Thorium-230	U	0.0319	pCi/L	0.09	0.41	RL-7128
Tritium	U	-40	pCi/L	152	253	704R7

#### SVOA

1,2-Dichlorobenzene	UX	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	UX	0.005	mg/L		0.005	SW846-8260

#### VOA

1,1,1,2-Tetrachloroethane	UX	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	UX	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	UX	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	UX	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	UX	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	UX	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	UX	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	UY	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	UX	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	UX	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	UX	0.005	mg/L		0.005	SW846-8260
2-Butanone	UX	0.01	mg/L		0.01	SW846-8260
2-Chloroethyl vinyl ether	JUX	0.01	mg/L		0.01	SW846-8260
2-Hexanone	UX	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	UX	0.01	mg/L		0.01	SW846-8260
Acetone	UX	0.01	mg/L		0.01	SW846-8260
Acrolein	U	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	UX	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	UX	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	UX	0.005	mg/L		0.005	SW846-8260
Bromoform	UX	0.005	mg/L		0.005	SW846-8260
Bromomethane	UX	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	UX	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	UX	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	UX	0.005	mg/L		0.005	SW846-8260
Chloroethane	UX	0.005	mg/L		0.005	SW846-8260
Chloroform	UX	0.005	mg/L		0.005	SW846-8260
Chloromethane	UX	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	UX	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	UX	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	UX	0.005	mg/L		0.005	SW846-8260
Dibromomethane	UX	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	UX	0.005	mg/L		0.005	SW846-8260
Ethanol	UY	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	UX	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	UX	0.005	mg/L		0.005	SW846-8260
Iodomethane	UX	0.005	mg/L		0.005	SW846-8260
Methylene chloride	UX	0.005	mg/L		0.005	SW846-8260

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### 20553

Styrene	UX	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	UX	0.005 mg/L	0.005	SW846-8260
Toluene	UX	0.005 mg/L	0.005	SW846-8260
Total Xylene	UX	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	UX	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	UX	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	UX	0.005 mg/L	0.005	SW846-8260
Trichloroethene	UX	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	UX	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	UX	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	UX	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Cyanide	JU	0.05 mg/L	0.05	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.01 mg/L	0.01	SW846-9020B

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# Paducah-OREIS Data Report

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**MW180**

**20589**

**MW180SA4-05**

Collected: 9/22/2005

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Uranium	U	0.005	mg/L		0.005	ST7106
Uranium		0.00315	mg/L		0.001	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.88	Inches/Hg			
<b>PHYSC</b>						
Conductivity		776	umho/cm			
Depth to Water		15.35	ft			
Dissolved Oxygen		1.35	mg/L			
pH		6.78	Std Unit			
Redox		215	mV			
Temperature		72.1	deg F			
Turbidity		21.1	NTU			
<b>RADS</b>						
Alpha activity		12	pCi/L	3.21	4.6	SW846-9310
Beta activity		168	pCi/L	10.1	4.16	SW846-9310
Technetium-99		241	pCi/L	19.7	18.4	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene	UY	0.001	mg/L		0.001	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260

# Paducah-OREIS Data Report

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**MW182**  
**20589**  
**MW182SA4-05**

Collected: 9/22/2005

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>METAL</b>						
Uranium		0.0776	mg/L		0.001	SW846-6020
Uranium		0.07	mg/L		0.005	ST7106
<b>METEO</b>						
Barometric Pressure Reading		29.88	Inches/Hg			
<b>PHYSC</b>						
Conductivity		906	umho/cm			
Depth to Water		16.28	ft			
Dissolved Oxygen		2.21	mg/L			
pH		6.58	Std Unit			
Redox		-48	mV			
Temperature		72.2	deg F			
Turbidity		235	NTU			
<b>RADS</b>						
Alpha activity		53.5	pCi/L	10.5	4.51	SW846-9310
Beta activity		76.7	pCi/L	6.68	4.13	SW846-9310
Technetium-99	U	16.3	pCi/L	13.8	18.4	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	JU	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene	U	0.001	mg/L		0.001	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260

# Paducah-OREIS Data Report

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**MW346**

**20589**

**MW346SA4-05**

Collected: 9/19/2005

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Uranium	BU	0.001	mg/L		0.001	SW846-6020
Uranium	U	0.005	mg/L		0.005	ST7106
<b>METEO</b>						
Barometric Pressure Reading		30.06	Inches/Hg			
<b>PHYSC</b>						
Conductivity		513	umho/cm			
Depth to Water		47.93	ft			
Dissolved Oxygen		0.63	mg/L			
pH		8.4	Std Unit			
Redox		209	mV			
Temperature		67.4	deg F			
Turbidity		50.5	NTU			
<b>RADS</b>						
Alpha activity	U	4.08	pCi/L	2.11	5.97	SW846-9310
Beta activity		8.68	pCi/L	1.75	4.55	SW846-9310
Technetium-99	U	3.24	pCi/L	12.8	17.5	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene	U	0.001	mg/L		0.001	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260

# Paducah-OREIS Data Report

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**MW245**  
**20647**  
**MW245QS1-06**

Collected: 11/9/2005

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>METEO</b>						
Barometric Pressure Reading		29.88	Inches/Hg			
<b>PHYSC</b>						
Conductivity		387	umho/cm			
Depth to Water		45.15	ft			
Dissolved Oxygen		1.47	mg/L			
pH		6.11	Std Unit			
Redox		109	mV			
Temperature		65.4	deg F			
Turbidity		106	NTU			
<b>RADS</b>						
Alpha activity	U	1.75	pCi/L	1.01	3.61	SW846-9310
Beta activity	U	1.85	pCi/L	0.48	3.85	SW846-9310
Neptunium-237	U	-0.0045	pCi/L	0.01	0.17	RL-7128
Plutonium-239/240	U	0.00683	pCi/L	0.03	0.08	RL-7128
Radium-226	U	0.0425	pCi/L	0.08	0.3	RL-7129
Radon	UX	127	pCi/L	42.3	177	RL-7104
Technetium-99	U	-2.94	pCi/L	11.3	17	RL-7100
Thorium-230	U	0.127	pCi/L	0.09	0.37	RL-7128
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.01	mg/L		0.01	SW846-8260
1,1,2-Trichloroethane	U	0.01	mg/L		0.01	SW846-8260
1,1-Dichloroethane	U	0.01	mg/L		0.01	SW846-8260
1,1-Dichloroethene	U	0.01	mg/L		0.01	SW846-8260
1,2-Dichloroethane	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.01	mg/L		0.01	SW846-8260
Bromodichloromethane	U	0.01	mg/L		0.01	SW846-8260
Carbon tetrachloride	U	0.01	mg/L		0.01	SW846-8260
Chloroform	U	0.01	mg/L		0.01	SW846-8260
cis-1,2-Dichloroethene	U	0.01	mg/L		0.01	SW846-8260
Ethylbenzene	U	0.01	mg/L		0.01	SW846-8260
Tetrachloroethene	U	0.01	mg/L		0.01	SW846-8260
Toluene	U	0.01	mg/L		0.01	SW846-8260
Total Xylene	U	0.03	mg/L		0.03	SW846-8260
trans-1,2-Dichloroethene	U	0.01	mg/L		0.01	SW846-8260
Trichloroethene	D	0.12	mg/L		0.002	SW846-8260
Vinyl chloride	U	0.004	mg/L		0.004	SW846-8260

# Paducah-OREIS Data Report

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**MW180**

**20651**

**MW180SA1-06**

Collected: 11/21/2005

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Uranium		0.00356	mg/L		0.001	SW846-6020
Uranium	U	0.005	mg/L		0.005	ST7106
<b>METEO</b>						
Barometric Pressure Reading		29.97	Inches/Hg			
<b>PHYSC</b>						
Conductivity		790	umho/cm			
Depth to Water		16.62	ft			
Dissolved Oxygen		1.39	mg/L			
pH		6.94	Std Unit			
Redox		209	mV			
Temperature		61.7	deg F			
Turbidity		10.6	NTU			
<b>RADS</b>						
Alpha activity		13.7	pCi/L	3.14	5.01	SW846-9310
Beta activity		155	pCi/L	9.57	5.35	SW846-9310
Technetium-99		211	pCi/L	17.1	16.3	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene	U	0.001	mg/L		0.001	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260



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**MW182**

**20651**

**MW182SA1-06**

Collected: 11/21/2005

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Uranium		0.08	mg/L		0.005	ST7106
Uranium		0.0857	mg/L		0.001	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.97	Inches/Hg			
<b>PHYSC</b>						
Conductivity		944	umho/cm			
Depth to Water		17.02	ft			
Dissolved Oxygen		1.8	mg/L			
pH		6.69	Std Unit			
Redox		62	mV			
Temperature		65.5	deg F			
Turbidity		63.5	NTU			
<b>RADS</b>						
Alpha activity		39.3	pCi/L	7.21	4.43	SW846-9310
Beta activity		67.4	pCi/L	5.94	4.98	SW846-9310
Technetium-99		21.8	pCi/L	11.8	16.3	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene	U	0.001	mg/L		0.001	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260

# Paducah-OREIS Data Report

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**MW339**

**20698**

**MW339A1-06**

Collected: 12/19/2005

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		71	mg/L		10	SW846-9056
Nitrate as Nitrogen		6.3	mg/L		1	SW846-9056
Sulfate		18	mg/L		2	SW846-9056
<b>METAL</b>						
Aluminum		0.718	mg/L		0.2	SW846-6010B
Aluminum, Dissolved	U	0.2	mg/L		0.2	SW846-6010B
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Antimony, Dissolved	BU	0.005	mg/L		0.005	SW846-6020
Arsenic		0.00334	mg/L		0.001	SW846-6020
Arsenic, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Barium		0.143	mg/L		0.005	SW846-6020
Barium, Dissolved		0.144	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Beryllium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Cadmium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Calcium		34.7	mg/L		1	SW846-6010B
Calcium, Dissolved		34.9	mg/L		1	SW846-6010B
Chromium		0.0723	mg/L		0.02	SW846-6020
Chromium, Dissolved	JUX	0.02	mg/L		0.02	SW846-6020
Cobalt	U	0.001	mg/L		0.001	SW846-6020
Cobalt, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Copper	BUX	0.02	mg/L		0.02	SW846-6020
Copper, Dissolved	UX	0.02	mg/L		0.02	SW846-6020
Iron		1.4	mg/L		0.1	SW846-6010B
Iron (2+)		0.19	mg/L			
Iron, Dissolved	U	0.1	mg/L		0.1	SW846-6010B
Lead	U	0.005	mg/L		0.005	SW846-6020
Lead, Dissolved	U	0.005	mg/L		0.005	SW846-6020
Magnesium	B	13.6	mg/L		0.02	SW846-6010B
Magnesium, Dissolved	B	13.9	mg/L		0.02	SW846-6010B
Manganese		0.0196	mg/L		0.005	SW846-6020
Manganese, Dissolved	U	0.005	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum		0.00634	mg/L		0.001	SW846-6020
Molybdenum, Dissolved	BU	0.001	mg/L		0.001	SW846-6020
Nickel	U	0.005	mg/L		0.005	SW846-6020
Nickel, Dissolved	UX	0.005	mg/L		0.005	SW846-6020
Potassium		1.91	mg/L		0.2	SW846-6010B
Potassium, Dissolved		1.82	mg/L		0.2	SW846-6010B
Selenium	X	0.00936	mg/L		0.005	SW846-6020
Selenium, Dissolved	U	0.005	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Silver, Dissolved	BNU	0.001	mg/L		0.001	SW846-6020
Sodium		41	mg/L		2	SW846-6010B
Sodium, Dissolved		42.3	mg/L		2	SW846-6010B
Uranium	BU	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Zinc	U	0.02	mg/L		0.02	SW846-6020

# Paducah-OREIS Data Report

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## MW339

### 20698

Zinc, Dissolved	U	0.02 mg/L	0.02	SW846-6020
<b>METEO</b>				
Barometric Pressure Reading		30.58 Inches/Hg		
<b>PHYSC</b>				
Conductivity		530 umho/cm		
Depth to Water		51.42 ft		
Dissolved Oxygen		3 mg/L		
Dissolved Solids		267 mg/L	75	EPA-160.1
pH		6.04 Std Unit		
Redox		276 mV		
Temperature		54.6 deg F		
Turbidity		27.1 NTU		
<b>VOA</b>				
Ethane	U	0.1 mg/L	0.1	XP4-TS-OA7024
Ethylene	U	0.01 mg/L	0.01	XP4-TS-OA7024
Methane	U	0.5 mg/L	0.5	XP4-TS-OA7024
<b>WETCHEM</b>				
Alkalinity		50 mg/L		
Phosphate as Phosphorous	U	1 mg/L	1	SW846-9056
Silica		14 mg/L	4	EPA-370.1
Total Organic Carbon (TOC)	UX	1 mg/L	1	SW846-9060

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# Paducah-OREIS Data Report

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**MW226**

**20700**

**MW226C4041-06**

Collected: 1/24/2006

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Arsenic		0.00162	mg/L		0.001	SW846-6020
Arsenic, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Cadmium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Chromium		0.428	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Lead	U	0.005	mg/L		0.005	SW846-6020
Lead, Dissolved	U	0.005	mg/L		0.005	SW846-6020
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470
Mercury, Dissolved	U	0.0002	mg/L		0.0002	SW846-7470
Selenium		0.00736	mg/L		0.005	SW846-6020
Selenium, Dissolved	BU	0.005	mg/L		0.005	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		30	Inches/Hg			
<b>PHYSC</b>						
Conductivity		354	umho/cm			
Depth to Water		55.19	ft			
Dissolved Oxygen		0.78	mg/L			
pH		6.01	Std Unit			
Redox		168	mV			
Temperature		60.7	deg F			
Turbidity		108	NTU			
<b>RADS</b>						
Technetium-99		101	pCi/L	14.7	17	RL-7100
Uranium-234	U	0.0973	pCi/L	0.06	0.18	RL-7128
Uranium-235	U	-0.0183	pCi/L	0.02	0.08	RL-7128
Uranium-238	U	0.0768	pCi/L	0.05	0.2	RL-7128
<b>VOA</b>						
Trichloroethene	D	0.41	mg/L		0.005	SW846-8260

# Paducah-OREIS Data Report

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**MW227**

**20700**

**MW227C4041-06**

Collected: 1/25/2006

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Arsenic		0.0013	mg/L		0.001	SW846-6020
Arsenic, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Cadmium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Chromium		0.157	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Lead		0.0168	mg/L		0.005	SW846-6020
Lead, Dissolved	U	0.005	mg/L		0.005	SW846-6020
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470
Mercury, Dissolved	U	0.0002	mg/L		0.0002	SW846-7470
Selenium	U	0.005	mg/L		0.005	SW846-6020
Selenium, Dissolved	BU	0.005	mg/L		0.005	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		30.3	Inches/Hg			
<b>PHYSC</b>						
Conductivity		263	umho/cm			
Depth to Water		55.8	ft			
Dissolved Oxygen		8.08	mg/L			
pH		6.15	Std Unit			
Redox		221	mV			
Temperature		57.6	deg F			
Turbidity		82.8	NTU			
<b>RADS</b>						
Technetium-99		20.3	pCi/L	12.2	17	RL-7100
Uranium-234	U	0.0898	pCi/L	0.06	0.18	RL-7128
Uranium-235	U	0.004	pCi/L	0.01	0.07	RL-7128
Uranium-238	U	0.0169	pCi/L	0.03	0.19	RL-7128
<b>VOA</b>						
Trichloroethene		0.038	mg/L		0.001	SW846-8260

# Paducah-OREIS Data Report

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**MW84**

**20700**

**MW84C4041-06**

Collected: 1/30/2006

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Arsenic	U	0.001	mg/L		0.001	SW846-6020
Arsenic, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Cadmium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Chromium	U	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Lead	U	0.005	mg/L		0.005	SW846-6020
Lead, Dissolved	U	0.005	mg/L		0.005	SW846-6020
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470
Mercury, Dissolved	U	0.0002	mg/L		0.0002	SW846-7470
Selenium	U	0.005	mg/L		0.005	SW846-6020
Selenium, Dissolved	BU	0.005	mg/L		0.005	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.74	Inches/Hg			
<b>PHYSC</b>						
Conductivity		235	umho/cm			
Depth to Water		52.4	ft			
Dissolved Oxygen		2.51	mg/L			
pH		6.4	Std Unit			
Redox		204	mV			
Temperature		55.3	deg F			
Turbidity		3.1	NTU			
<b>RADS</b>						
Technetium-99		22.2	pCi/L	12.2	17	RL-7100
Uranium-234	U	0.0391	pCi/L	0.05	0.19	RL-7128
Uranium-235	U	0.00464	pCi/L	0.01	0.08	RL-7128
Uranium-238	U	0.087	pCi/L	0.05	0.2	RL-7128
<b>VOA</b>						
Trichloroethene	D	0.29	mg/L		0.005	SW846-8260

# Paducah-OREIS Data Report

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**MW85**

**20700**

**MW85C4041-06**

Collected: 1/30/2006

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Arsenic		0.0108	mg/L		0.001	SW846-6020
Arsenic, Dissolved		0.0113	mg/L		0.001	SW846-6020
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Cadmium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Chromium	U	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Lead	U	0.005	mg/L		0.005	SW846-6020
Lead, Dissolved	U	0.005	mg/L		0.005	SW846-6020
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470
Mercury, Dissolved	U	0.0002	mg/L		0.0002	SW846-7470
Selenium	U	0.005	mg/L		0.005	SW846-6020
Selenium, Dissolved	BU	0.005	mg/L		0.005	SW846-6020
Uranium		0.00188	mg/L		0.001	SW846-6020
Uranium, Dissolved		0.00176	mg/L		0.001	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.74	Inches/Hg			
<b>PHYSC</b>						
Conductivity		411	umho/cm			
Depth to Water		13.93	ft			
Dissolved Oxygen		2.5	mg/L			
pH		6.7	Std Unit			
Redox		219	mV			
Temperature		57.4	deg F			
Turbidity		5	NTU			
<b>RADS</b>						
Technetium-99		168	pCi/L	16.5	17	RL-7100
Uranium-234		0.251	pCi/L	0.08	0.18	RL-7128
Uranium-235	U	0.00434	pCi/L	0.01	0.08	RL-7128
Uranium-238		0.723	pCi/L	0.13	0.2	RL-7128
<b>VOA</b>						
Trichloroethene	U	0.001	mg/L		0.001	SW846-8260

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**MW86**

**20700**

**MW86C4041-06**

Collected: 1/30/2006

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Arsenic		0.00239	mg/L		0.001	SW846-6020
Arsenic, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Cadmium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Chromium	U	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Lead	U	0.005	mg/L		0.005	SW846-6020
Lead, Dissolved	U	0.005	mg/L		0.005	SW846-6020
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470
Mercury, Dissolved	U	0.0002	mg/L		0.0002	SW846-7470
Selenium	U	0.005	mg/L		0.005	SW846-6020
Selenium, Dissolved	BU	0.005	mg/L		0.005	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.74	Inches/Hg			
<b>PHYSC</b>						
Conductivity		232	umho/cm			
Depth to Water		52.42	ft			
Dissolved Oxygen		2.08	mg/L			
pH		6.4	Std Unit			
Redox		233	mV			
Temperature		55.9	deg F			
Turbidity		92.7	NTU			
<b>RADS</b>						
Technetium-99		18.9	pCi/L	12.1	17	RL-7100
Uranium-234		0.204	pCi/L	0.07	0.17	RL-7128
Uranium-235	U	-0.003	pCi/L	0.0012	0.07	RL-7128
Uranium-238		0.356	pCi/L	0.09	0.19	RL-7128
<b>VOA</b>						
Trichloroethene	D	0.18	mg/L		0.002	SW846-8260



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**MW87**

**20700**

**MW87C4041-06**

Collected: 1/30/2006

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Arsenic	U	0.001	mg/L		0.001	SW846-6020
Arsenic, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Cadmium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Chromium	U	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Lead	U	0.005	mg/L		0.005	SW846-6020
Lead, Dissolved	U	0.005	mg/L		0.005	SW846-6020
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470
Mercury, Dissolved	U	0.0002	mg/L		0.0002	SW846-7470
Selenium	U	0.005	mg/L		0.005	SW846-6020
Selenium, Dissolved	BU	0.005	mg/L		0.005	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.74	Inches/Hg			
<b>PHYSC</b>						
Conductivity		267	umho/cm			
Depth to Water		52.75	ft			
Dissolved Oxygen		2.44	mg/L			
pH		6.05	Std Unit			
Redox		197	mV			
Temperature		57.9	deg F			
Turbidity		5.3	NTU			
<b>RADS</b>						
Technetium-99		23.4	pCi/L	12.3	17	RL-7100
Uranium-234	U	0.0619	pCi/L	0.05	0.17	RL-7128
Uranium-235	U	-0.0097	pCi/L	0.01	0.07	RL-7128
Uranium-238	U	0.00989	pCi/L	0.03	0.2	RL-7128
<b>VOA</b>						
Trichloroethene		0.043	mg/L		0.001	SW846-8260

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**MW88**

**20700**

**MW88C4041-06**

Collected: 1/30/2006

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Arsenic		0.00423	mg/L		0.001	SW846-6020
Arsenic, Dissolved		0.00349	mg/L		0.001	SW846-6020
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Cadmium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Chromium	U	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Lead	U	0.005	mg/L		0.005	SW846-6020
Lead, Dissolved	U	0.005	mg/L		0.005	SW846-6020
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470
Mercury, Dissolved	U	0.0002	mg/L		0.0002	SW846-7470
Selenium	U	0.005	mg/L		0.005	SW846-6020
Selenium, Dissolved	BU	0.005	mg/L		0.005	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.74	Inches/Hg			
<b>PHYSC</b>						
Conductivity		591	umho/cm			
Depth to Water		13.55	ft			
Dissolved Oxygen		1.4	mg/L			
pH		5.69	Std Unit			
Redox		215	mV			
Temperature		60.4	deg F			
Turbidity		23.9	NTU			
<b>RADS</b>						
Technetium-99		32.5	pCi/L	12.6	17	RL-7100
Uranium-234	U	0.0793	pCi/L	0.05	0.17	RL-7128
Uranium-235	U	-0.003	pCi/L	0.0012	0.07	RL-7128
Uranium-238	U	0.0334	pCi/L	0.03	0.19	RL-7128
<b>VOA</b>						
Trichloroethene		0.0021	mg/L		0.001	SW846-8260

# Paducah-OREIS Data Report

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**MW89**

**20700**

**MW89C4041-06**

Collected: 1/30/2006

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Arsenic	U	0.001	mg/L		0.001	SW846-6020
Arsenic, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Cadmium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Chromium	U	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Lead	U	0.005	mg/L		0.005	SW846-6020
Lead, Dissolved	U	0.005	mg/L		0.005	SW846-6020
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470
Mercury, Dissolved	U	0.0002	mg/L		0.0002	SW846-7470
Selenium	U	0.005	mg/L		0.005	SW846-6020
Selenium, Dissolved	BU	0.005	mg/L		0.005	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.74	Inches/Hg			
<b>PHYSC</b>						
Conductivity		195	umho/cm			
Depth to Water		58.3	ft			
Dissolved Oxygen		1.84	mg/L			
pH		5.94	Std Unit			
Redox		211	mV			
Temperature		59.7	deg F			
Turbidity		4.9	NTU			
<b>RADS</b>						
Technetium-99	U	15.2	pCi/L	12	17	RL-7100
Uranium-234		3.35	pCi/L	0.29	0.17	RL-7128
Uranium-235		0.2	pCi/L	0.07	0.07	RL-7128
Uranium-238		0.522	pCi/L	0.11	0.19	RL-7128
<b>VOA</b>						
Trichloroethene		0.0011	mg/L		0.001	SW846-8260

# Paducah-OREIS Data Report

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12/18/2007

**MW90A**

**20700**

**MW90AC4041-06**

Collected: 1/26/2006

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Arsenic	U	0.001	mg/L		0.001	SW846-6020
Arsenic, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Cadmium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Chromium	U	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Lead	U	0.005	mg/L		0.005	SW846-6020
Lead, Dissolved	U	0.005	mg/L		0.005	SW846-6020
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470
Mercury, Dissolved	U	0.0002	mg/L		0.0002	SW846-7470
Selenium	U	0.005	mg/L		0.005	SW846-6020
Selenium, Dissolved	BU	0.005	mg/L		0.005	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		30.45	Inches/Hg			
<b>PHYSC</b>						
Conductivity		299	umho/cm			
Depth to Water		51.52	ft			
Dissolved Oxygen		1.47	mg/L			
pH		6.55	Std Unit			
Redox		20	mV			
Temperature		57.2	deg F			
Turbidity		2.8	NTU			
<b>RADS</b>						
Technetium-99		25.6	pCi/L	12.3	17	RL-7100
Uranium-234	U	0.0448	pCi/L	0.06	0.2	RL-7128
Uranium-235	U	-0.0033	pCi/L	0.0006	0.07	RL-7128
Uranium-238	U	0.0218	pCi/L	0.04	0.19	RL-7128
<b>VOA</b>						
Trichloroethene	U	0.001	mg/L		0.001	SW846-8260

# Paducah-OREIS Data Report

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**MW91**

**20700**

**MW91C4041-06**

Collected: 1/26/2006

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Arsenic		0.00233	mg/L		0.001	SW846-6020
Arsenic, Dissolved		0.00156	mg/L		0.001	SW846-6020
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Cadmium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Chromium		0.0808	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Lead	U	0.005	mg/L		0.005	SW846-6020
Lead, Dissolved	U	0.005	mg/L		0.005	SW846-6020
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470
Mercury, Dissolved	U	0.0002	mg/L		0.0002	SW846-7470
Selenium		0.011	mg/L		0.005	SW846-6020
Selenium, Dissolved	B	0.00597	mg/L		0.005	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		30.45	Inches/Hg			
<b>PHYSC</b>						
Conductivity		458	umho/cm			
Depth to Water		12.9	ft			
Dissolved Oxygen		2.47	mg/L			
pH		6.22	Std Unit			
Redox		55	mV			
Temperature		59.1	deg F			
Turbidity		98.1	NTU			
<b>RADS</b>						
Technetium-99		613	pCi/L	25.4	17	RL-7100
Uranium-234	U	0.0768	pCi/L	0.06	0.2	RL-7128
Uranium-235	U	0.0189	pCi/L	0.02	0.09	RL-7128
Uranium-238	U	0.0717	pCi/L	0.05	0.2	RL-7128
<b>VOA</b>						
Trichloroethene		0.067	mg/L		0.001	SW846-8260

# Paducah-OREIS Data Report

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**MW91**

**20700**

**MW91DC4041-06**

Collected: 1/26/2006

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Arsenic		0.00273	mg/L		0.001	SW846-6020
Arsenic, Dissolved		0.00157	mg/L		0.001	SW846-6020
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Cadmium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Chromium		0.0804	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Lead	U	0.005	mg/L		0.005	SW846-6020
Lead, Dissolved	U	0.005	mg/L		0.005	SW846-6020
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470
Mercury, Dissolved	U	0.0002	mg/L		0.0002	SW846-7470
Selenium		0.0127	mg/L		0.005	SW846-6020
Selenium, Dissolved		0.00628	mg/L		0.005	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		30.45	Inches/Hg			
<b>PHYSC</b>						
Conductivity		458	umho/cm			
Depth to Water		12.9	ft			
Dissolved Oxygen		2.47	mg/L			
pH		6.22	Std Unit			
Redox		55	mV			
Temperature		59.1	deg F			
Turbidity		98.1	NTU			
<b>RADS</b>						
Technetium-99		606	pCi/L	25.3	17	RL-7100
Uranium-234	U	0.0546	pCi/L	0.04	0.23	RL-7128
Uranium-235	U	0.00365	pCi/L	0.01	0.07	RL-7128
Uranium-238	U	0.0267	pCi/L	0.03	0.19	RL-7128
<b>VOA</b>						
Trichloroethene		0.07	mg/L		0.001	SW846-8260

# Paducah-OREIS Data Report

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**MW92**

**20700**

**MW92C4041-06**

Collected: 1/26/2006

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Arsenic	U	0.001	mg/L		0.001	SW846-6020
Arsenic, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Cadmium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Chromium	U	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Lead	U	0.005	mg/L		0.005	SW846-6020
Lead, Dissolved	U	0.005	mg/L		0.005	SW846-6020
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470
Mercury, Dissolved	U	0.0002	mg/L		0.0002	SW846-7470
Selenium	U	0.005	mg/L		0.005	SW846-6020
Selenium, Dissolved	BU	0.005	mg/L		0.005	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		30.45	Inches/Hg			
<b>PHYSC</b>						
Conductivity		148	umho/cm			
Depth to Water		51.9	ft			
Dissolved Oxygen		1.5	mg/L			
pH		6.09	Std Unit			
Redox		93	mV			
Temperature		60.1	deg F			
Turbidity		59.6	NTU			
<b>RADS</b>						
Technetium-99	U	8.11	pCi/L	11.8	17	RL-7100
Uranium-234	U	0.0228	pCi/L	0.04	0.23	RL-7128
Uranium-235	U	-0.0033	pCi/L	0.0006	0.11	RL-7128
Uranium-238	U	0.0417	pCi/L	0.03	0.21	RL-7128
<b>VOA</b>						
Trichloroethene	UX	0.001	mg/L		0.001	SW846-8260

# Paducah-OREIS Data Report

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**MW93**

**20700**

**MW93C4041-06**

Collected: 1/24/2006

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Arsenic	U	0.001	mg/L		0.001	SW846-6020
Arsenic, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Cadmium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Chromium	U	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Lead	U	0.005	mg/L		0.005	SW846-6020
Lead, Dissolved	U	0.005	mg/L		0.005	SW846-6020
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470
Mercury, Dissolved	U	0.0002	mg/L		0.0002	SW846-7470
Selenium	U	0.005	mg/L		0.005	SW846-6020
Selenium, Dissolved	BU	0.005	mg/L		0.005	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		30	Inches/Hg			
<b>PHYSC</b>						
Conductivity		242	umho/cm			
Depth to Water		54.45	ft			
Dissolved Oxygen		1.62	mg/L			
pH		6.04	Std Unit			
Redox		161	mV			
Temperature		60.4	deg F			
Turbidity		2.2	NTU			
<b>RADS</b>						
Technetium-99	U	15	pCi/L	12	17	RL-7100
Uranium-234	U	0.0212	pCi/L	0.04	0.18	RL-7128
Uranium-235	U	0.00415	pCi/L	0.01	0.07	RL-7128
Uranium-238	U	0.046	pCi/L	0.04	0.2	RL-7128
<b>VOA</b>						
Trichloroethene	D	0.34	mg/L		0.005	SW846-8260



# Paducah-OREIS Data Report

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**MW94**

**20700**

**MW94C4041-06**

Collected: 1/24/2006

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Arsenic	U	0.01	mg/L		0.01	SW846-6020
Arsenic, Dissolved		0.00169	mg/L		0.001	SW846-6020
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Cadmium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Chromium	U	0.2	mg/L		0.2	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Lead	U	0.005	mg/L		0.005	SW846-6020
Lead, Dissolved	U	0.005	mg/L		0.005	SW846-6020
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470
Mercury, Dissolved	U	0.0002	mg/L		0.0002	SW846-7470
Selenium		0.00649	mg/L		0.005	SW846-6020
Selenium, Dissolved	BU	0.005	mg/L		0.005	SW846-6020
Uranium		0.00422	mg/L		0.001	SW846-6020
Uranium, Dissolved		0.0038	mg/L		0.001	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		30	Inches/Hg			
<b>PHYSC</b>						
Conductivity		1072	umho/cm			
Depth to Water		16.47	ft			
Dissolved Oxygen		1.34	mg/L			
pH		6.5	Std Unit			
Redox		175	mV			
Temperature		61.9	deg F			
Turbidity		182	NTU			
<b>RADS</b>						
Technetium-99		316	pCi/L	19.9	17	RL-7100
Uranium-234		1.31	pCi/L	0.18	0.17	RL-7128
Uranium-235	U	0.0213	pCi/L	0.04	0.07	RL-7128
Uranium-238		1.21	pCi/L	0.18	0.2	RL-7128
<b>VOA</b>						
Trichloroethene		0.0036	mg/L		0.001	SW846-8260

# Paducah-OREIS Data Report

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**MW95A**

**20700**

**MW95AC4041-06**

Collected: 1/24/2006

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Arsenic	U	0.001	mg/L		0.001	SW846-6020
Arsenic, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Cadmium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Chromium	U	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Lead	U	0.005	mg/L		0.005	SW846-6020
Lead, Dissolved	U	0.005	mg/L		0.005	SW846-6020
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470
Mercury, Dissolved	U	0.0002	mg/L		0.0002	SW846-7470
Selenium		0.00516	mg/L		0.005	SW846-6020
Selenium, Dissolved	BU	0.005	mg/L		0.005	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		30	Inches/Hg			
<b>PHYSC</b>						
Conductivity		249	umho/cm			
Depth to Water		53.53	ft			
Dissolved Oxygen		1.24	mg/L			
pH		6.01	Std Unit			
Redox		170	mV			
Temperature		59.7	deg F			
Turbidity		0.7	NTU			
<b>RADS</b>						
Technetium-99		28.8	pCi/L	12.5	17	RL-7100
Uranium-234	U	0.0465	pCi/L	0.05	0.18	RL-7128
Uranium-235	U	0.0292	pCi/L	0.03	0.09	RL-7128
Uranium-238	U	0.0319	pCi/L	0.03	0.2	RL-7128
<b>VOA</b>						
Trichloroethene	D	0.21	mg/L		0.001	SW846-8260

# Paducah-OREIS Data Report

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## MW220 20708 MW220SG2-06

Collected: 1/18/2006

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	2	mg/L		2	SW846-9056
Chloride		35	mg/L		2	SW846-9056
Fluoride		0.18	mg/L		0.1	9214
Nitrate as Nitrogen		1.6	mg/L		1	SW846-9056
Sulfate		9.4	mg/L		2	SW846-9056
<b>METAL</b>						
Aluminum		0.308	mg/L		0.2	SW846-6010B
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic	BX	0.0014	mg/L		0.001	SW846-6020
Barium	B	0.211	mg/L		0.005	SW846-6020
Barium, Dissolved		0.198	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	BU	0.2	mg/L		0.2	SW846-6010B
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		19.9	mg/L		1	SW846-6010B
Chromium	UX	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Cobalt		0.00252	mg/L		0.001	SW846-6020
Copper	UX	0.02	mg/L		0.02	SW846-6020
Iron		0.44	mg/L		0.1	SW846-6010B
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium	B	7.76	mg/L		0.02	SW846-6010B
Manganese	BX	0.0372	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum		0.00165	mg/L		0.001	SW846-6020
Nickel	X	0.116	mg/L		0.005	SW846-6020
Potassium		5.87	mg/L		0.2	SW846-6010B
Rhodium	BUX	0.005	mg/L		0.005	SW846-6020
Selenium	B	0.00585	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		35.1	mg/L		2	SW846-6010B
Tantalum	BUX	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.94	Inches/Hg			
<b>PHYSC</b>						
Conductivity		323	umho/cm			
Depth to Water		58.68	ft			
Dissolved Oxygen		5.34	mg/L			
Dissolved Solids	U	500	mg/L		500	EPA-160.1
pH		6.1	Std Unit			
Redox		183	mV			
Suspended Solids	U	25	mg/L		25	EPA-160.2
Temperature		57.8	deg F			
Turbidity		7.6	NTU			

# Paducah-OREIS Data Report

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## MW220

### 20708

#### RADS

Alpha activity	U	-0.825	pCi/L	0.73	3.24	SW846-9310
Beta activity		17.7	pCi/L	2.5	3.61	SW846-9310
Iodine-131	U	-0.661	pCi/L	1.32	19.7	RL-7124
Radium	U	0.229	pCi/L	0.1	0.64	RL-7113
Radium-224	U	0.049	pCi/L	0.07	0.17	RL-7129
Radium-226	U	0.212	pCi/L	0.16	0.3	RL-7129
Radium-228		4.56	pCi/L	0.73	4.43	RL-7129
Strontium-90	U	0.0817	pCi/L	0.01	1.77	RL-7140
Technetium-99	U	16.1	pCi/L	13.1	18.4	RL-7100
Thorium-230	U	-0.0054	pCi/L	0.03	0.6	RL-7128
Tritium	U	-97.7	pCi/L	146	246	704R7

#### SVOA

1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260

#### VOA

1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JUY	0.00002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L		0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	JU	0.01	mg/L		0.01	SW846-8260
Acetone	JU	0.01	mg/L		0.01	SW846-8260
Acrolein	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	JU	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	JU	0.005	mg/L		0.005	SW846-8260
Ethanol	UY	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260

# Paducah-OREIS Data Report

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## MW220

### 20708

Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Cyanide	*JU	0.05 mg/L	0.05	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.01 mg/L	0.01	SW846-9020B

# Paducah-OREIS Data Report

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**MW221**

**20708**

**MW221SG2-06**

Collected: 1/18/2006

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	2	mg/L		2	SW846-9056
Chloride		38	mg/L		2	SW846-9056
Fluoride		0.2	mg/L		0.1	9214
Nitrate as Nitrogen		1.6	mg/L		1	SW846-9056
Sulfate		12	mg/L		2	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010B
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic	BX	0.00123	mg/L		0.001	SW846-6020
Barium	B	0.226	mg/L		0.005	SW846-6020
Barium, Dissolved		0.217	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	BU	0.2	mg/L		0.2	SW846-6010B
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		21.4	mg/L		1	SW846-6010B
Chromium	UX	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Cobalt		0.00111	mg/L		0.001	SW846-6020
Copper	UX	0.02	mg/L		0.02	SW846-6020
Iron	U	0.1	mg/L		0.1	SW846-6010B
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium	B	9.03	mg/L		0.02	SW846-6010B
Manganese	BX	0.00527	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum		0.00136	mg/L		0.001	SW846-6020
Nickel	UX	0.005	mg/L		0.005	SW846-6020
Potassium		1.28	mg/L		0.2	SW846-6010B
Rhodium	BUX	0.005	mg/L		0.005	SW846-6020
Selenium	B	0.00679	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		44	mg/L		2	SW846-6010B
Tantalum	BUX	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.94	Inches/Hg			
<b>PHYSC</b>						
Conductivity		383	umho/cm			
Depth to Water		68.8	ft			
Dissolved Oxygen		4.76	mg/L			
Dissolved Solids	U	500	mg/L		500	EPA-160.1
pH		6.2	Std Unit			
Redox		181	mV			
Suspended Solids	U	25	mg/L		25	EPA-160.2
Temperature		57.1	deg F			
Turbidity		13.4	NTU			

## MW221

## 20708

## RADS

Alpha activity	U	0.37	pCi/L	0.28	3.36	SW846-9310
Beta activity		4.91	pCi/L	1.01	3.66	SW846-9310
Iodine-131	U	-0.329	pCi/L	0.65	19.9	RL-7124
Radium	U	0.0641	pCi/L	0.09	0.64	RL-7113
Radium-224	U	0	pCi/L	0	0.19	RL-7129
Radium-226	U	0.166	pCi/L	0.13	0.29	RL-7129
Radium-228	U	3.87	pCi/L	0.63	4.29	RL-7129
Strontium-90	U	0.224	pCi/L	0.03	1.74	RL-7140
Technetium-99	U	4.25	pCi/L	12.7	18.4	RL-7100
Thorium-230	U	-0.0112	pCi/L	0.02	0.59	RL-7128
Tritium	U	0	pCi/L	148	246	704R7

## SVOA

1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260

## VOA

1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JUY	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L		0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	JU	0.01	mg/L		0.01	SW846-8260
Acetone	JU	0.01	mg/L		0.01	SW846-8260
Acrolein	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	JU	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	JU	0.005	mg/L		0.005	SW846-8260
Ethanol	UY	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260

# Paducah-OREIS Data Report

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## MW221

### 20708

Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Cyanide	*JU	0.05 mg/L	0.05	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.0122 mg/L	0.01	SW846-9020B



# Paducah-OREIS Data Report

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**MW222**  
**20708**  
**MW222SG2-06**

Collected: 1/17/2006

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	2	mg/L		2	SW846-9056
Chloride		28	mg/L		2	SW846-9056
Fluoride		0.34	mg/L		0.1	9214
Nitrate as Nitrogen	NU	1	mg/L		1	SW846-9056
Sulfate		8.3	mg/L		2	SW846-9056
<b>METAL</b>						
Aluminum		13	mg/L		0.2	SW846-6010B
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic	BUX	0.01	mg/L		0.01	SW846-6020
Barium		0.721	mg/L		0.005	SW846-6020
Barium, Dissolved		0.651	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	BU	0.2	mg/L		0.2	SW846-6010B
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		16.9	mg/L		1	SW846-6010B
Chromium	UX	0.2	mg/L		0.2	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Cobalt		0.0472	mg/L		0.01	SW846-6020
Copper	UX	0.2	mg/L		0.2	SW846-6020
Iron		11.3	mg/L		0.1	SW846-6010B
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium	B	7.89	mg/L		0.02	SW846-6010B
Manganese	X	5.08	mg/L		0.05	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	UX	0.05	mg/L		0.05	SW846-6020
Potassium		1.85	mg/L		0.2	SW846-6010B
Rhodium	BUX	0.005	mg/L		0.005	SW846-6020
Selenium	U	0.005	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		42.3	mg/L		2	SW846-6010B
Tantalum	BUX	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.2	mg/L		0.2	SW846-6020
Zinc	U	0.2	mg/L		0.2	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.59	Inches/Hg			
<b>PHYSC</b>						
Conductivity		335	umho/cm			
Depth to Water		72.41	ft			
Dissolved Oxygen		2.21	mg/L			
Dissolved Solids	U	500	mg/L		500	EPA-160.1
pH		6.8	Std Unit			
Redox		200	mV			
Suspended Solids	U	25	mg/L		25	EPA-160.2
Temperature		56.2	deg F			
Turbidity		170	NTU			

# Paducah-OREIS Data Report

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## MW222

### 20708

#### RADS

Alpha activity	U	0.89	pCi/L	0.62	3.26	SW846-9310
Beta activity	U	-0.22	pCi/L	0.06	3.62	SW846-9310
Iodine-131	U	3.93	pCi/L	7.86	18.8	RL-7124
Radium	U	0.1	pCi/L	0.09	0.64	RL-7113
Radium-224	U	0.102	pCi/L	0.1	0.19	RL-7129
Radium-226	U	0.175	pCi/L	0.14	0.28	RL-7129
Radium-228	U	0.929	pCi/L	0.17	4.39	RL-7129
Strontium-90	U	-0.0776	pCi/L	0.01	1.62	RL-7140
Technetium-99	U	-5.61	pCi/L	12.2	18.4	RL-7100
Thorium-230	U	0.0187	pCi/L	0.06	0.58	RL-7128
Tritium	U	-48.9	pCi/L	147	246	704R7

#### SVOA

1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260

#### VOA

1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JUY	0.00002	mg/L		2E-05	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L		0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	JU	0.01	mg/L		0.01	SW846-8260
Acetone	JU	0.01	mg/L		0.01	SW846-8260
Acrolein	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	JU	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	JU	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260

# Paducah-OREIS Data Report

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## MW222

### 20708

Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Cyanide	*JU	0.05 mg/L	0.05	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		1.3 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.01 mg/L	0.01	SW846-9020B

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# Paducah-OREIS Data Report

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12/18/2007

**MW223**  
**20708**  
**MW223SG2-06**

Collected: 1/17/2006

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	2	mg/L		2	SW846-9056
Chloride		36	mg/L		2	SW846-9056
Fluoride		0.34	mg/L		0.1	9214
Nitrate as Nitrogen	N	1.1	mg/L		1	SW846-9056
Sulfate		9.2	mg/L		2	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010B
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic	BX	0.0014	mg/L		0.001	SW846-6020
Barium	B	0.399	mg/L		0.005	SW846-6020
Barium, Dissolved		0.382	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	BU	0.2	mg/L		0.2	SW846-6010B
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		19.3	mg/L		1	SW846-6010B
Chromium	UX	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Cobalt		0.00685	mg/L		0.001	SW846-6020
Copper	UX	0.02	mg/L		0.02	SW846-6020
Iron	U	0.1	mg/L		0.1	SW846-6010B
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium	B	7.47	mg/L		0.02	SW846-6010B
Manganese	BX	0.855	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum		0.00513	mg/L		0.001	SW846-6020
Nickel	X	0.0526	mg/L		0.005	SW846-6020
Potassium		5.24	mg/L		0.2	SW846-6010B
Rhodium	BUX	0.005	mg/L		0.005	SW846-6020
Selenium	B	0.00622	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		42.2	mg/L		2	SW846-6010B
Tantalum	BUX	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.59	Inches/Hg			
<b>PHYSC</b>						
Conductivity		357	umho/cm			
Depth to Water		71.49	ft			
Dissolved Oxygen		2.24	mg/L			
Dissolved Solids	U	500	mg/L		500	EPA-160.1
pH		6.6	Std Unit			
Redox		190	mV			
Suspended Solids	U	25	mg/L		25	EPA-160.2
Temperature		57.8	deg F			
Turbidity		3.7	NTU			

## MW223

## 20708

## RADS

Alpha activity	U	-0.376	pCi/L	0.33	3.41	SW846-9310
Beta activity		7.89	pCi/L	1.45	3.69	SW846-9310
Iodine-131	U	-0.418	pCi/L	0.83	16.4	RL-7124
Radium	U	0.152	pCi/L	0.09	0.64	RL-7113
Radium-224	U	0.0289	pCi/L	0.05	0.18	RL-7129
Radium-226	U	0.0265	pCi/L	0.05	0.31	RL-7129
Radium-228	U	0.129	pCi/L	0.02	6.08	RL-7129
Strontium-90	U	0.0786	pCi/L	0.01	1.65	RL-7140
Technetium-99	U	-3.32	pCi/L	12.4	18.4	RL-7100
Thorium-230	U	0.0211	pCi/L	0.06	0.58	RL-7128
Tritium	U	-32.6	pCi/L	147	246	704R7

## SVOA

1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260

## VOA

1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JUY	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L		0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	JU	0.01	mg/L		0.01	SW846-8260
Acetone	JU	0.01	mg/L		0.01	SW846-8260
Acrolein	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	JU	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	JU	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260

# Paducah-OREIS Data Report

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## MW223

### 20708

Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Cyanide	*JU	0.05 mg/L	0.05	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.01 mg/L	0.01	SW846-9020B

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# Paducah-OREIS Data Report

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**MW224**  
**20708**  
**MW224SG2-06**

Collected: 1/17/2006

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	2	mg/L		2	SW846-9056
Chloride		13	mg/L		2	SW846-9056
Fluoride		0.35	mg/L		0.1	9214
Nitrate as Nitrogen	NU	1	mg/L		1	SW846-9056
Sulfate		8.9	mg/L		2	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010B
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic	BUX	0.001	mg/L		0.001	SW846-6020
Barium	B	0.388	mg/L		0.005	SW846-6020
Barium, Dissolved		0.365	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	BU	0.2	mg/L		0.2	SW846-6010B
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		24.6	mg/L		1	SW846-6010B
Chromium	UX	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Cobalt		0.0167	mg/L		0.001	SW846-6020
Copper	UX	0.02	mg/L		0.02	SW846-6020
Iron	U	0.1	mg/L		0.1	SW846-6010B
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium	B	10.3	mg/L		0.02	SW846-6010B
Manganese	X	2.33	mg/L		0.05	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	X	0.00921	mg/L		0.005	SW846-6020
Potassium		0.82	mg/L		0.2	SW846-6010B
Rhodium	BUX	0.005	mg/L		0.005	SW846-6020
Selenium	BU	0.005	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		68.4	mg/L		2	SW846-6010B
Tantalum	BUX	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.59	Inches/Hg			
<b>PHYSC</b>						
Conductivity		444	umho/cm			
Depth to Water		72.86	ft			
Dissolved Oxygen		1.8	mg/L			
Dissolved Solids	U	500	mg/L		500	EPA-160.1
pH		6.6	Std Unit			
Redox		195	mV			
Suspended Solids	U	25	mg/L		25	EPA-160.2
Temperature		50.7	deg F			
Turbidity		4.2	NTU			

**MW224****20708****RADS**

Alpha activity	U	-0.485	pCi/L	0.48	4.39	SW846-9310
Beta activity	U	1.83	pCi/L	0.44	4.17	SW846-9310
Iodine-131	U	-2.97	pCi/L	5.94	15.1	RL-7124
Radium	U	0.0929	pCi/L	0.09	0.64	RL-7113
Radium-224	U	0	pCi/L	0	0.19	RL-7129
Radium-226	U	0.163	pCi/L	0.14	0.28	RL-7129
Radium-228	U	0.876	pCi/L	0.19	3.52	RL-7129
Strontium-90	U	-0.0162	pCi/L	0.0026	1.72	RL-7140
Technetium-99	U	-8.22	pCi/L	12.2	18.4	RL-7100
Thorium-230	U	-0.0693	pCi/L	0.06	0.59	RL-7128
Tritium	U	-20.4	pCi/L	147	246	704R7

**SVOA**

1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260

**VOA**

1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JUY	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L		0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	JU	0.01	mg/L		0.01	SW846-8260
Acetone	JU	0.01	mg/L		0.01	SW846-8260
Acrolein	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	JU	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	JU	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260



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## MW224

### 20708

Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Cyanide	*JU	0.05 mg/L	0.05	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		1.5 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.01 mg/L	0.01	SW846-9020B

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# Paducah-OREIS Data Report

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**MW384**

**20708**

**MW384SG2-06**

Collected: 1/17/2006

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	2	mg/L		2	SW846-9056
Chloride		76	mg/L		10	SW846-9056
Fluoride		0.3	mg/L		0.1	9214
Nitrate as Nitrogen	NU	1	mg/L		1	SW846-9056
Sulfate		18	mg/L		2	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010B
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic	BX	0.00734	mg/L		0.001	SW846-6020
Barium	B	0.191	mg/L		0.005	SW846-6020
Barium, Dissolved		0.182	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	BU	0.2	mg/L		0.2	SW846-6010B
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		33.6	mg/L		1	SW846-6010B
Chromium	UX	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Cobalt		0.00117	mg/L		0.001	SW846-6020
Copper	UX	0.02	mg/L		0.02	SW846-6020
Iron		1.48	mg/L		0.1	SW846-6010B
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium	B	12.2	mg/L		0.02	SW846-6010B
Manganese	BX	0.276	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	UX	0.005	mg/L		0.005	SW846-6020
Potassium		1.28	mg/L		0.2	SW846-6010B
Rhodium	BUX	0.005	mg/L		0.005	SW846-6020
Selenium	B	0.012	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		62.2	mg/L		2	SW846-6010B
Tantalum	BUX	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.56	Inches/Hg			
<b>PHYSC</b>						
Conductivity		636	umho/cm			
Depth to Water		42.6	ft			
Dissolved Oxygen		1.44	mg/L			
Dissolved Solids	U	500	mg/L		500	EPA-160.1
pH		5.96	Std Unit			
Redox		-66	mV			
Suspended Solids	U	25	mg/L		25	EPA-160.2
Temperature		56.1	deg F			
Turbidity		14.8	NTU			

**MW384**

**20708**

**RADS**

Alpha activity		8.83	pCi/L	2.04	4.31	SW846-9310
Beta activity		332	pCi/L	13.4	4.13	SW846-9310
Iodine-131	U	7.27	pCi/L	14.5	19.6	RL-7124
Radium	U	0.553	pCi/L	0.1	0.64	RL-7113
Radium-224	U	0.0129	pCi/L	0.02	0.17	RL-7129
Radium-226		0.352	pCi/L	0.18	0.28	RL-7129
Radium-228	U	1.54	pCi/L	0.3	2.21	RL-7129
Strontium-90	U	-0.101	pCi/L	0.01	1.77	RL-7140
Technetium-99		259	pCi/L	19.4	18.4	RL-7100
Thorium-230	U	0.00492	pCi/L	0.05	0.59	RL-7128
Tritium	U	10.2	pCi/L	148	246	704R7

**SVOA**

1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260

**VOA**

1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JUY	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L		0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	JU	0.01	mg/L		0.01	SW846-8260
Acetone	JU	0.01	mg/L		0.01	SW846-8260
Acrolein	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	JU	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	JU	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260

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## MW384

### 20708

Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene		0.0012 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)		31 mg/L	25	EPA-410.4 1978
Cyanide	*JU	0.05 mg/L	0.05	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	D	12.3 mg/L	2	SW846-9060
Total Organic Halides (TOX)		0.0259 mg/L	0.01	SW846-9020B

# Paducah-OREIS Data Report

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**MW385**  
**20708**  
**MW385SG2-06**

Collected: 1/17/2006

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	2	mg/L		2	SW846-9056
Chloride		27	mg/L		2	SW846-9056
Fluoride		0.31	mg/L		0.1	9214
Nitrate as Nitrogen	NU	1	mg/L		1	SW846-9056
Sulfate		18	mg/L		2	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010B
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic	BX	0.00156	mg/L		0.001	SW846-6020
Barium	B	0.198	mg/L		0.005	SW846-6020
Barium, Dissolved		0.19	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	BU	0.2	mg/L		0.2	SW846-6010B
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		29.8	mg/L		1	SW846-6010B
Chromium	UX	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Cobalt	U	0.001	mg/L		0.001	SW846-6020
Copper	UX	0.02	mg/L		0.02	SW846-6020
Iron	U	0.1	mg/L		0.1	SW846-6010B
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium	B	8.92	mg/L		0.02	SW846-6010B
Manganese	BUX	0.005	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	UX	0.005	mg/L		0.005	SW846-6020
Potassium		1.66	mg/L		0.2	SW846-6010B
Rhodium	BUX	0.005	mg/L		0.005	SW846-6020
Selenium	B	0.00562	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		38.2	mg/L		2	SW846-6010B
Tantalum	BUX	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.56	Inches/Hg			
<b>PHYSC</b>						
Conductivity		490	umho/cm			
Depth to Water		43	ft			
Dissolved Oxygen		1.46	mg/L			
Dissolved Solids	U	500	mg/L		500	EPA-160.1
pH		7.05	Std Unit			
Redox		108	mV			
Suspended Solids	U	25	mg/L		25	EPA-160.2
Temperature		56.2	deg F			
Turbidity		0	NTU			

## MW385

## 20708

## RADS

Alpha activity		5.39	pCi/L	1.68	3.47	SW846-9310
Beta activity		118	pCi/L	7.44	3.71	SW846-9310
Iodine-131	U	1.04	pCi/L	2.08	13.9	RL-7124
Radium	U	0.266	pCi/L	0.1	0.64	RL-7113
Radium-224	U	-0.0060	pCi/L	0.01	0.17	RL-7129
Radium-226	U	0.101	pCi/L	0.1	0.27	RL-7129
Radium-228	U	1.4	pCi/L	0.28	2.44	RL-7129
Strontium-90	U	-0.315	pCi/L	0.05	1.67	RL-7140
Technetium-99		19.4	pCi/L	13.2	18.4	RL-7100
Thorium-230	U	0.0429	pCi/L	0.06	0.58	RL-7128
Tritium	U	38.7	pCi/L	148	246	704R7

## SVOA

1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260

## VOA

1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JUY	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L		0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	JU	0.01	mg/L		0.01	SW846-8260
Acetone	JU	0.01	mg/L		0.01	SW846-8260
Acrolein	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	JU	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	JU	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260

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## MW385

### 20708

Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Cyanide	*JU	0.05 mg/L	0.05	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.01 mg/L	0.01	SW846-9020B

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# Paducah-OREIS Data Report

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**MW386**  
**20708**  
**MW386SG2-06**

Collected: 1/17/2006

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	2	mg/L		2	SW846-9056
Chloride		35	mg/L		2	SW846-9056
Fluoride		0.45	mg/L		0.1	9214
Nitrate as Nitrogen	NU	1	mg/L		1	SW846-9056
Sulfate		21	mg/L		2	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010B
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic	BX	0.00112	mg/L		0.001	SW846-6020
Barium	B	0.176	mg/L		0.005	SW846-6020
Barium, Dissolved		0.165	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	BU	0.2	mg/L		0.2	SW846-6010B
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		26.3	mg/L		1	SW846-6010B
Chromium	UX	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Cobalt		0.0083	mg/L		0.001	SW846-6020
Copper	UX	0.02	mg/L		0.02	SW846-6020
Iron		3.6	mg/L		0.1	SW846-6010B
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium	B	10.4	mg/L		0.02	SW846-6010B
Manganese	BX	0.735	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	UX	0.005	mg/L		0.005	SW846-6020
Potassium		0.602	mg/L		0.2	SW846-6010B
Rhodium	BUX	0.005	mg/L		0.005	SW846-6020
Selenium	BU	0.005	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		113	mg/L		2	SW846-6010B
Tantalum	BUX	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.56	Inches/Hg			
<b>PHYSC</b>						
Conductivity		706	umho/cm			
Depth to Water		19.93	ft			
Dissolved Oxygen		1.48	mg/L			
Dissolved Solids	U	500	mg/L		500	EPA-160.1
pH		6.4	Std Unit			
Redox		-18	mV			
Suspended Solids	U	25	mg/L		25	EPA-160.2
Temperature		59.5	deg F			
Turbidity		0	NTU			



# Paducah-OREIS Data Report

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## MW386

### 20708

#### RADS

Alpha activity	U	-2.63	pCi/L	0	6.03	SW846-9310
Beta activity	U	-0.802	pCi/L	0.22	4.99	SW846-9310
Iodine-131	U	8.41	pCi/L	16.8	20.4	RL-7124
Radium	U	0.00748	pCi/L	0.09	0.64	RL-7113
Radium-224	U	-0.0069	pCi/L	0.01	0.18	RL-7129
Radium-226	U	0.253	pCi/L	0.17	0.29	RL-7129
Radium-228	U	0.547	pCi/L	0.12	3.14	RL-7129
Strontium-90	U	-0.256	pCi/L	0.04	1.69	RL-7140
Technetium-99	U	0.708	pCi/L	12.8	18.4	RL-7100
Thorium-230	U	0.0364	pCi/L	0.07	0.68	RL-7128
Tritium	U	-89.6	pCi/L	146	246	704R7

#### SVOA

1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260

#### VOA

1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JUY	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L		0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	JU	0.01	mg/L		0.01	SW846-8260
Acetone	JU	0.01	mg/L		0.01	SW846-8260
Acrolein	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	JU	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	JU	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260

# Paducah-OREIS Data Report

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12/18/2007

## MW386

### 20708

Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)		48 mg/L	25	EPA-410.4 1978
Cyanide	*JU	0.05 mg/L	0.05	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	D	17.7 mg/L	2	SW846-9060
Total Organic Halides (TOX)		0.373 mg/L	0.01	SW846-9020B

# Paducah-OREIS Data Report

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**MW387**  
**20708**  
**MW387SG2-06**

Collected: 1/18/2006

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	2	mg/L		2	SW846-9056
Chloride		50	mg/L		2	SW846-9056
Fluoride		0.87	mg/L		0.1	9214
Nitrate as Nitrogen		1.4	mg/L		1	SW846-9056
Sulfate		30	mg/L		2	SW846-9056
<b>METAL</b>						
Aluminum		1.02	mg/L		0.2	SW846-6010B
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic	BX	0.00416	mg/L		0.001	SW846-6020
Barium	B	0.182	mg/L		0.005	SW846-6020
Barium, Dissolved		0.168	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	BU	0.2	mg/L		0.2	SW846-6010B
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		37.4	mg/L		1	SW846-6010B
Chromium	UX	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Cobalt	U	0.001	mg/L		0.001	SW846-6020
Copper	UX	0.02	mg/L		0.02	SW846-6020
Iron		2.65	mg/L		0.1	SW846-6010B
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium	B	14.8	mg/L		0.02	SW846-6010B
Manganese	BX	0.0247	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	UX	0.005	mg/L		0.005	SW846-6020
Potassium		2.11	mg/L		0.2	SW846-6010B
Rhodium	BUX	0.005	mg/L		0.005	SW846-6020
Selenium	B	0.0103	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		53.1	mg/L		2	SW846-6010B
Tantalum	BUX	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.94	Inches/Hg			
<b>PHYSC</b>						
Conductivity		534	umho/cm			
Depth to Water		41.23	ft			
Dissolved Oxygen		4.49	mg/L			
Dissolved Solids	U	500	mg/L		500	EPA-160.1
pH		6.2	Std Unit			
Redox		225	mV			
Suspended Solids	U	25	mg/L		25	EPA-160.2
Temperature		56.3	deg F			
Turbidity		74.3	NTU			

## MW387

## 20708

## RADS

Alpha activity	U	0.492	pCi/L	0.21	3.92	SW846-9310
Beta activity		98	pCi/L	6.92	3.93	SW846-9310
Iodine-131	U	6.54	pCi/L	13.1	17.7	RL-7124
Radium	U	0.23	pCi/L	0.1	0.64	RL-7113
Radium-224	U	0.0185	pCi/L	0.03	0.17	RL-7129
Radium-226	U	0.11	pCi/L	0.11	0.27	RL-7129
Radium-228	U	3.52	pCi/L	0.59	4.41	RL-7129
Strontium-90	U	0.079	pCi/L	0.01	1.72	RL-7140
Technetium-99		125	pCi/L	16.2	18.4	RL-7100
Thorium-230	U	0.0469	pCi/L	0.05	0.6	RL-7128
Tritium	U	22.4	pCi/L	148	246	704R7

## SVOA

1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260

## VOA

1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JUY	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L		0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	JU	0.01	mg/L		0.01	SW846-8260
Acetone	JU	0.01	mg/L		0.01	SW846-8260
Acrolein	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	JU	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	JU	0.005	mg/L		0.005	SW846-8260
Ethanol	UY	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260

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## MW387

### 20708

Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene		0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Cyanide	*JU	0.05 mg/L	0.05	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		1.1 mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.0164 mg/L	0.01	SW846-9020B

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# Paducah-OREIS Data Report

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**MW388**  
**20708**  
**MW388SG2-06**

Collected: 1/18/2006

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	2	mg/L		2	SW846-9056
Chloride		43	mg/L		2	SW846-9056
Fluoride		0.29	mg/L		0.1	9214
Nitrate as Nitrogen		1.5	mg/L		1	SW846-9056
Sulfate		23	mg/L		2	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010B
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic	BX	0.00228	mg/L		0.001	SW846-6020
Barium	B	0.208	mg/L		0.005	SW846-6020
Barium, Dissolved		0.204	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	BU	0.2	mg/L		0.2	SW846-6010B
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		27.2	mg/L		1	SW846-6010B
Chromium	UX	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Cobalt	U	0.001	mg/L		0.001	SW846-6020
Copper	UX	0.02	mg/L		0.02	SW846-6020
Iron		0.227	mg/L		0.1	SW846-6010B
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium	B	11.4	mg/L		0.02	SW846-6010B
Manganese	BUX	0.005	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	UX	0.005	mg/L		0.005	SW846-6020
Potassium		1.88	mg/L		0.2	SW846-6010B
Rhodium	BUX	0.005	mg/L		0.005	SW846-6020
Selenium	B	0.00726	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		44.2	mg/L		2	SW846-6010B
Tantalum	BUX	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.94	Inches/Hg			
<b>PHYSC</b>						
Conductivity		443	umho/cm			
Depth to Water		41.23	ft			
Dissolved Oxygen		4.95	mg/L			
Dissolved Solids	U	500	mg/L		500	EPA-160.1
pH		6.1	Std Unit			
Redox		191	mV			
Suspended Solids	U	25	mg/L		25	EPA-160.2
Temperature		56.7	deg F			
Turbidity		9.4	NTU			

# Paducah-OREIS Data Report

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## MW388

### 20708

#### RADS

Alpha activity	U	2.19	pCi/L	0.93	3.66	SW846-9310
Beta activity		66.8	pCi/L	5.54	3.8	SW846-9310
Iodine-131	U	0.977	pCi/L	1.95	16.4	RL-7124
Radium	U	0.108	pCi/L	0.09	0.64	RL-7113
Radium-224	U	0.0135	pCi/L	0.02	0.19	RL-7129
Radium-226	U	0.179	pCi/L	0.14	0.27	RL-7129
Radium-228	U	1.53	pCi/L	0.32	2.15	RL-7129
Strontium-90	U	0.263	pCi/L	0.03	1.69	RL-7140
Technetium-99		101	pCi/L	15.6	18.4	RL-7100
Thorium-230	U	0.136	pCi/L	0.13	0.63	RL-7128
Tritium	U	42.8	pCi/L	148	246	704R7

#### SVOA

1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260

#### VOA

1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JUY	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L		0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	JU	0.01	mg/L		0.01	SW846-8260
Acetone	JU	0.01	mg/L		0.01	SW846-8260
Acrolein	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	JU	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	JU	0.005	mg/L		0.005	SW846-8260
Ethanol	UY	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260

# Paducah-OREIS Data Report

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12/18/2007

## MW388

### 20708

Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene		0.0011 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Cyanide	*JU	0.05 mg/L	0.05	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.01 mg/L	0.01	SW846-9020B

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# Paducah-OREIS Data Report

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12/18/2007

**MW391**

**20708**

**MW391SG2-06**

Collected: 1/19/2006

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	2	mg/L		2	SW846-9056
Chloride		44	mg/L		2	SW846-9056
Fluoride		0.16	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		9.3	mg/L		2	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010B
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic	BX	0.00128	mg/L		0.001	SW846-6020
Barium	B	0.228	mg/L		0.005	SW846-6020
Barium, Dissolved		0.224	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	BU	0.2	mg/L		0.2	SW846-6010B
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		24.5	mg/L		1	SW846-6010B
Chromium	UX	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Cobalt	U	0.001	mg/L		0.001	SW846-6020
Copper	UX	0.02	mg/L		0.02	SW846-6020
Iron		0.206	mg/L		0.1	SW846-6010B
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium	B	9.52	mg/L		0.02	SW846-6010B
Manganese	UX	0.005	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	UX	0.005	mg/L		0.005	SW846-6020
Potassium		1.38	mg/L		0.2	SW846-6010B
Rhodium	BUX	0.005	mg/L		0.005	SW846-6020
Selenium	B	0.00645	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		30.6	mg/L		2	SW846-6010B
Tantalum	BUX	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.91	Inches/Hg			
<b>PHYSC</b>						
Conductivity		360	umho/cm			
Depth to Water		44.52	ft			
Dissolved Oxygen		3.86	mg/L			
Dissolved Solids	U	500	mg/L		500	EPA-160.1
pH		6.4	Std Unit			
Redox		5	mV			
Suspended Solids	U	25	mg/L		25	EPA-160.2
Temperature		58.7	deg F			
Turbidity		17.7	NTU			

## MW391

## 20708

## RADS

Alpha activity	U	-0.651	pCi/L	0.75	3.07	SW846-9310
Beta activity	U	2.39	pCi/L	0.55	3.55	SW846-9310
Iodine-131	U	4.37	pCi/L	8.73	20.3	RL-7124
Radium	U	0.00748	pCi/L	0.09	0.64	RL-7113
Radium-224	U	0.0487	pCi/L	0.07	0.17	RL-7129
Radium-226	U	0.0201	pCi/L	0.04	0.28	RL-7129
Radium-228		3.14	pCi/L	0.49	2.77	RL-7129
Strontium-90	U	-0.015	pCi/L	0.0024	1.61	RL-7140
Technetium-99	U	-3.76	pCi/L	12.4	18.4	RL-7100
Thorium-230	U	0.0117	pCi/L	0.04	0.58	RL-7128
Tritium	U	14.3	pCi/L	148	246	704R7

## SVOA

1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260

## VOA

1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JUY	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L		0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	JU	0.01	mg/L		0.01	SW846-8260
Acetone	JU	0.01	mg/L		0.01	SW846-8260
Acrolein	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	JU	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	JU	0.005	mg/L		0.005	SW846-8260
Ethanol	UY	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260

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## MW391

### 20708

Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene		0.016 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Cyanide	JU	0.05 mg/L	0.05	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.0125 mg/L	0.01	SW846-9020B

# Paducah-OREIS Data Report

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**MW392**

**20708**

**MW392SG2-06**

Collected: 1/19/2006

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	2	mg/L		2	SW846-9056
Chloride		44	mg/L		2	SW846-9056
Fluoride		0.26	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		7.1	mg/L		2	SW846-9056
<b>METAL</b>						
Aluminum		0.267	mg/L		0.2	SW846-6010B
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic	BX	0.00368	mg/L		0.001	SW846-6020
Barium	B	0.294	mg/L		0.005	SW846-6020
Barium, Dissolved		0.281	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	BU	0.2	mg/L		0.2	SW846-6010B
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		23.5	mg/L		1	SW846-6010B
Chromium	UX	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Cobalt		0.00163	mg/L		0.001	SW846-6020
Copper	UX	0.02	mg/L		0.02	SW846-6020
Iron		4.17	mg/L		0.1	SW846-6010B
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium	B	8.81	mg/L		0.02	SW846-6010B
Manganese	X	1.07	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	UX	0.005	mg/L		0.005	SW846-6020
Potassium		1.62	mg/L		0.2	SW846-6010B
Rhodium	BUX	0.005	mg/L		0.005	SW846-6020
Selenium	B	0.00574	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		39.1	mg/L		2	SW846-6010B
Tantalum	BUX	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.91	Inches/Hg			
<b>PHYSC</b>						
Conductivity		403	umho/cm			
Depth to Water		43.65	ft			
Dissolved Oxygen		1.17	mg/L			
Dissolved Solids	U	500	mg/L		500	EPA-160.1
pH		6.5	Std Unit			
Redox		-43	mV			
Suspended Solids	U	25	mg/L		25	EPA-160.2
Temperature		57.3	deg F			
Turbidity		5.2	NTU			

**MW392**

**20708**

**RADS**

Alpha activity	U	0.326	pCi/L	0.26	3.47	SW846-9310
Beta activity	U	-0.225	pCi/L	0.06	3.71	SW846-9310
Iodine-131	U	-4.59	pCi/L	9.17	13.7	RL-7124
Radium	U	0.0737	pCi/L	0.09	0.64	RL-7113
Radium-224	U	-0.0061	pCi/L	0.01	0.17	RL-7129
Radium-226	U	0.0719	pCi/L	0.09	0.27	RL-7129
Radium-228	U	2.18	pCi/L	0.37	3.36	RL-7129
Strontium-90	U	-0.309	pCi/L	0.05	1.67	RL-7140
Technetium-99	U	-5.5	pCi/L	12.3	18.4	RL-7100
Thorium-230	U	-0.0192	pCi/L	0.0061	0.61	RL-7128
Tritium	U	2.04	pCi/L	148	246	704R7

**SVOA**

1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260

**VOA**

1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JUY	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L		0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	JU	0.01	mg/L		0.01	SW846-8260
Acetone	JU	0.01	mg/L		0.01	SW846-8260
Acrolein	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	JU	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	JU	0.005	mg/L		0.005	SW846-8260
Ethanol	UY	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260

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## MW392

### 20708

Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene		0.011 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Cyanide	JU	0.05 mg/L	0.05	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		2.9 mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.0459 mg/L	0.01	SW846-9020B

# Paducah-OREIS Data Report

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**MW393**  
**20708**  
**MW393SG2-06**

Collected: 1/19/2006

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	2	mg/L		2	SW846-9056
Chloride		20	mg/L		2	SW846-9056
Fluoride		0.16	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		6	mg/L		2	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010B
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic	BX	0.00229	mg/L		0.001	SW846-6020
Barium	B	0.103	mg/L		0.005	SW846-6020
Barium, Dissolved		0.104	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	BU	0.2	mg/L		0.2	SW846-6010B
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		12	mg/L		1	SW846-6010B
Chromium	UX	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	UX	0.02	mg/L		0.02	SW846-6020
Cobalt	U	0.001	mg/L		0.001	SW846-6020
Copper	UX	0.02	mg/L		0.02	SW846-6020
Iron		5.39	mg/L		0.1	SW846-6010B
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium	B	3.73	mg/L		0.02	SW846-6010B
Manganese	X	0.0354	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	UX	0.005	mg/L		0.005	SW846-6020
Potassium		0.38	mg/L		0.2	SW846-6010B
Rhodium	BUX	0.005	mg/L		0.005	SW846-6020
Selenium	BU	0.005	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		79.5	mg/L		2	SW846-6010B
Tantalum	BUX	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.91	Inches/Hg			
<b>PHYSC</b>						
Conductivity		445	umho/cm			
Depth to Water		26.38	ft			
Dissolved Oxygen		1.1	mg/L			
Dissolved Solids	U	500	mg/L		500	EPA-160.1
pH		6.5	Std Unit			
Redox		-42	mV			
Suspended Solids	U	25	mg/L		25	EPA-160.2
Temperature		59.4	deg F			
Turbidity		1.9	NTU			

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## MW393

### 20708

#### RADS

Alpha activity	U	-0.691	pCi/L	0.79	4.29	SW846-9310
Beta activity	U	-1.21	pCi/L	0.36	4.11	SW846-9310
Iodine-131	U	5.53	pCi/L	11.1	17.2	RL-7124
Radium	U	-0.0352	pCi/L	0.09	0.64	RL-7113
Radium-224	U	-0.0063	pCi/L	0.01	0.18	RL-7129
Radium-226	U	0.0742	pCi/L	0.1	0.28	RL-7129
Radium-228	U	1.34	pCi/L	0.24	3.75	RL-7129
Strontium-90	U	-0.251	pCi/L	0.04	1.69	RL-7140
Technetium-99	U	2.89	pCi/L	12.6	18.4	RL-7100
Thorium-230	U	0.00853	pCi/L	0.04	0.57	RL-7128
Tritium	U	99.8	pCi/L	149	246	704R7

#### SVOA

1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260

#### VOA

1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JUY	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L		0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	JU	0.01	mg/L		0.01	SW846-8260
Acetone	JU	0.01	mg/L		0.01	SW846-8260
Acrolein	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	JU	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	JU	0.005	mg/L		0.005	SW846-8260
Ethanol	UY	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260



# Paducah-OREIS Data Report

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## MW393

### 20708

Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)		26 mg/L	25	EPA-410.4 1978
Cyanide	*U	0.05 mg/L	0.05	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		5.6 mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.0817 mg/L	0.01	SW846-9020B

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# Paducah-OREIS Data Report

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**MW394**  
**20708**  
**MW394SG2-06**

Collected: 1/18/2006

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	2	mg/L		2	SW846-9056
Chloride		51	mg/L		10	SW846-9056
Fluoride		0.16	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		8.6	mg/L		2	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010B
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic	BX	0.00143	mg/L		0.001	SW846-6020
Barium	B	0.222	mg/L		0.005	SW846-6020
Barium, Dissolved		0.22	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	BU	0.2	mg/L		0.2	SW846-6010B
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		27.8	mg/L		1	SW846-6010B
Chromium	UX	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Cobalt	U	0.001	mg/L		0.001	SW846-6020
Copper	UX	0.02	mg/L		0.02	SW846-6020
Iron	U	0.1	mg/L		0.1	SW846-6010B
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium	B	11	mg/L		0.02	SW846-6010B
Manganese	BX	0.0127	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	UX	0.005	mg/L		0.005	SW846-6020
Potassium		0.945	mg/L		0.2	SW846-6010B
Rhodium	BUX	0.005	mg/L		0.005	SW846-6020
Selenium	B	0.0071	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		30.9	mg/L		2	SW846-6010B
Tantalum	BUX	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.94	Inches/Hg			
<b>PHYSC</b>						
Conductivity		395	umho/cm			
Depth to Water		56.14	ft			
Dissolved Oxygen		3.82	mg/L			
Dissolved Solids	U	500	mg/L		500	EPA-160.1
pH		6.29	Std Unit			
Redox		103	mV			
Suspended Solids	U	25	mg/L		25	EPA-160.2
Temperature		58.6	deg F			
Turbidity		1.1	NTU			

## MW394

## 20708

## RADS

Alpha activity	U	0.491	pCi/L	0.37	3.12	SW846-9310
Beta activity	U	1.57	pCi/L	0.38	3.57	SW846-9310
Iodine-131	U	-0.26	pCi/L	0.52	15	RL-7124
Radium	U	-0.0192	pCi/L	0.09	0.64	RL-7113
Radium-224	U	0	pCi/L	0	0.17	RL-7129
Radium-226	U	0.0965	pCi/L	0.11	0.27	RL-7129
Radium-228	U	1.99	pCi/L	0.4	2.36	RL-7129
Strontium-90	U	-0.0997	pCi/L	0.01	1.82	RL-7140
Technetium-99	U	-7.19	pCi/L	12.2	18.4	RL-7100
Thorium-230	U	0.0271	pCi/L	0.04	0.6	RL-7128
Tritium	U	30.6	pCi/L	148	246	704R7

## SVOA

1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260

## VOA

1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JUY	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L		0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	JU	0.01	mg/L		0.01	SW846-8260
Acetone	JU	0.01	mg/L		0.01	SW846-8260
Acrolein	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	JU	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	JU	0.005	mg/L		0.005	SW846-8260
Ethanol	UY	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260

# Paducah-OREIS Data Report

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## MW394

### 20708

Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene		0.019 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Cyanide	*JU	0.05 mg/L	0.05	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.0206 mg/L	0.01	SW846-9020B

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# Paducah-OREIS Data Report

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12/18/2007

**MW395**  
**20708**  
**MW395SG2-06**

Collected: 1/19/2006

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	2	mg/L		2	SW846-9056
Chloride		110	mg/L		10	SW846-9056
Fluoride		0.13	mg/L		0.1	9214
Nitrate as Nitrogen		2	mg/L		1	SW846-9056
Sulfate		8.8	mg/L		2	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010B
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic	BX	0.00127	mg/L		0.001	SW846-6020
Barium	B	0.256	mg/L		0.005	SW846-6020
Barium, Dissolved		0.25	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	BU	0.2	mg/L		0.2	SW846-6010B
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		30.2	mg/L		1	SW846-6010B
Chromium	UX	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Cobalt	U	0.001	mg/L		0.001	SW846-6020
Copper	UX	0.02	mg/L		0.02	SW846-6020
Iron	U	0.1	mg/L		0.1	SW846-6010B
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium	B	11.7	mg/L		0.02	SW846-6010B
Manganese	UX	0.005	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	UX	0.005	mg/L		0.005	SW846-6020
Potassium		1.46	mg/L		0.2	SW846-6010B
Rhodium	BUX	0.005	mg/L		0.005	SW846-6020
Selenium	B	0.0061	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		26.5	mg/L		2	SW846-6010B
Tantalum	BUX	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.91	Inches/Hg			
<b>PHYSC</b>						
Conductivity		393	umho/cm			
Depth to Water		56.71	ft			
Dissolved Oxygen		4.15	mg/L			
Dissolved Solids	U	500	mg/L		500	EPA-160.1
pH		6.09	Std Unit			
Redox		151	mV			
Suspended Solids	U	25	mg/L		25	EPA-160.2
Temperature		59.7	deg F			
Turbidity		0	NTU			

## MW395

## 20708

## RADS

Alpha activity	U	-0.566	pCi/L	0.56	3.05	SW846-9310
Beta activity		6.64	pCi/L	1.27	3.54	SW846-9310
Iodine-131	U	-2.12	pCi/L	4.24	14.8	RL-7124
Radium	U	0.0406	pCi/L	0.09	0.64	RL-7113
Radium-224	U	-0.0071	pCi/L	0.01	0.19	RL-7129
Radium-226	U	0.0974	pCi/L	0.11	0.3	RL-7129
Radium-228	U	1.46	pCi/L	0.31	4.18	RL-7129
Strontium-90	U	-0.234	pCi/L	0.03	1.79	RL-7140
Technetium-99	U	4.79	pCi/L	12.6	18.4	RL-7100
Thorium-230	U	0.0389	pCi/L	0.04	0.58	RL-7128
Tritium	U	134	pCi/L	150	246	704R7

## SVOA

1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260

## VOA

1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JUY	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L		0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	JU	0.01	mg/L		0.01	SW846-8260
Acetone	JU	0.01	mg/L		0.01	SW846-8260
Acrolein	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	JU	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	JU	0.005	mg/L		0.005	SW846-8260
Ethanol	UY	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260

# Paducah-OREIS Data Report

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## MW395

### 20708

Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene		0.008 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Cyanide	JU	0.05 mg/L	0.05	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.0171 mg/L	0.01	SW846-9020B

# Paducah-OREIS Data Report

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12/18/2007

**MW396**

**20708**

**MW396SG2-06**

Collected: 1/19/2006

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	2	mg/L		2	SW846-9056
Chloride		100	mg/L		10	SW846-9056
Fluoride		0.53	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		15	mg/L		2	SW846-9056
<b>METAL</b>						
Aluminum		0.233	mg/L		0.2	SW846-6010B
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic	BX	0.00378	mg/L		0.001	SW846-6020
Barium	B	0.374	mg/L		0.005	SW846-6020
Barium, Dissolved		0.36	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	BU	0.2	mg/L		0.2	SW846-6010B
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		45.1	mg/L		1	SW846-6010B
Chromium	UX	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Cobalt		0.00213	mg/L		0.001	SW846-6020
Copper	UX	0.02	mg/L		0.02	SW846-6020
Iron		5.16	mg/L		0.1	SW846-6010B
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium	B	18.5	mg/L		0.02	SW846-6010B
Manganese	X	0.617	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	UX	0.005	mg/L		0.005	SW846-6020
Potassium		0.995	mg/L		0.2	SW846-6010B
Rhodium	BUX	0.005	mg/L		0.005	SW846-6020
Selenium	B	0.013	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		131	mg/L		2	SW846-6010B
Tantalum	BUX	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.91	Inches/Hg			
<b>PHYSC</b>						
Conductivity		936	umho/cm			
Depth to Water		9.21	ft			
Dissolved Oxygen		1.14	mg/L			
Dissolved Solids		541	mg/L		500	EPA-160.1
pH		6.52	Std Unit			
Redox		2	mV			
Suspended Solids	U	25	mg/L		25	EPA-160.2
Temperature		58.1	deg F			
Turbidity		4.8	NTU			



# Paducah-OREIS Data Report

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## MW396

### 20708

#### RADS

Alpha activity	U	-0.34	pCi/L	0.3	3.19	SW846-9310
Beta activity		7.45	pCi/L	1.38	3.59	SW846-9310
Iodine-131	U	-7.86	pCi/L	15.7	14.3	RL-7124
Radium	U	0.0865	pCi/L	0.09	0.64	RL-7113
Radium-224	U	0.0984	pCi/L	0.12	0.2	RL-7129
Radium-226	U	0.338	pCi/L	0.21	0.44	RL-7129
Radium-228		6.25	pCi/L	1.16	5.58	RL-7129
Strontium-90	U	0.242	pCi/L	0.03	1.62	RL-7140
Technetium-99	U	-9.1	pCi/L	12.1	18.4	RL-7100
Thorium-230	U	-0.0012	pCi/L	0.04	0.59	RL-7128
Tritium	U	44.8	pCi/L	148	246	704R7

#### SVOA

1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260

#### VOA

1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JUY	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L		0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	JU	0.01	mg/L		0.01	SW846-8260
Acetone	JU	0.01	mg/L		0.01	SW846-8260
Acrolein	JUX	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	UX	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	JU	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	JU	0.005	mg/L		0.005	SW846-8260
Ethanol	UY	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260

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## MW396

### 20708

Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)		34 mg/L	25	EPA-410.4 1978
Cyanide	JU	0.05 mg/L	0.05	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		9 mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.221 mg/L	0.01	SW846-9020B

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# Paducah-OREIS Data Report

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**MW397**

**20708**

**MW397SG2-06**

Collected: 1/18/2006

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	2	mg/L		2	SW846-9056
Chloride		45	mg/L		2	SW846-9056
Fluoride		0.14	mg/L		0.1	9214
Nitrate as Nitrogen		1.7	mg/L		1	SW846-9056
Sulfate		12	mg/L		2	SW846-9056
<b>METAL</b>						
Aluminum		0.231	mg/L		0.2	SW846-6010B
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic	BX	0.00113	mg/L		0.001	SW846-6020
Barium	B	0.145	mg/L		0.005	SW846-6020
Barium, Dissolved		0.142	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	BU	0.2	mg/L		0.2	SW846-6010B
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		18.9	mg/L		1	SW846-6010B
Chromium	UX	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Cobalt	U	0.001	mg/L		0.001	SW846-6020
Copper	UX	0.02	mg/L		0.02	SW846-6020
Iron		0.249	mg/L		0.1	SW846-6010B
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium	B	7.55	mg/L		0.02	SW846-6010B
Manganese	UX	0.005	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	UX	0.005	mg/L		0.005	SW846-6020
Potassium		1.64	mg/L		0.2	SW846-6010B
Rhodium	BUX	0.005	mg/L		0.005	SW846-6020
Selenium	B	0.00561	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		32.5	mg/L		2	SW846-6010B
Tantalum	BUX	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.94	Inches/Hg			
<b>PHYSC</b>						
Conductivity		345	umho/cm			
Depth to Water		64.71	ft			
Dissolved Oxygen		6.64	mg/L			
Dissolved Solids	U	500	mg/L		500	EPA-160.1
pH		6.32	Std Unit			
Redox		47	mV			
Suspended Solids	U	25	mg/L		25	EPA-160.2
Temperature		56.3	deg F			
Turbidity		4	NTU			

## MW397

## 20708

## RADS

Alpha activity	U	0.548	pCi/L	0.44	6.82	SW846-9310
Beta activity	U	1.1	pCi/L	0.28	5.31	SW846-9310
Iodine-131	U	-2.2	pCi/L	4.4	18.7	RL-7124
Radium	U	0.151	pCi/L	0.09	0.64	RL-7113
Radium-224	U	0.0197	pCi/L	0.03	0.17	RL-7129
Radium-226	U	0.11	pCi/L	0.11	0.27	RL-7129
Radium-228	U	0.0744	pCi/L	0.01	2.83	RL-7129
Strontium-90	U	0.121	pCi/L	0.01	1.67	RL-7140
Technetium-99	U	11.1	pCi/L	12.8	18.4	RL-7100
Thorium-230	U	0.0361	pCi/L	0.05	0.58	RL-7128
Tritium	U	-122	pCi/L	146	246	704R7

## SVOA

1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260

## VOA

1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JUY	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L		0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	JU	0.01	mg/L		0.01	SW846-8260
Acetone	JU	0.01	mg/L		0.01	SW846-8260
Acrolein	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	JU	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	JU	0.005	mg/L		0.005	SW846-8260
Ethanol	UY	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260

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## MW397

### 20708

Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Cyanide	*JU	0.05 mg/L	0.05	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.01 mg/L	0.01	SW846-9020B

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# Paducah-OREIS Data Report

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**MW397**  
**20708**  
**MW397DSG2-06**

Collected: 1/18/2006

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	2	mg/L		2	SW846-9056
Chloride		44	mg/L		2	SW846-9056
Fluoride		0.14	mg/L		0.1	9214
Nitrate as Nitrogen		1.8	mg/L		1	SW846-9056
Sulfate		12	mg/L		2	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010B
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic	BX	0.00122	mg/L		0.001	SW846-6020
Barium	B	0.152	mg/L		0.005	SW846-6020
Barium, Dissolved		0.155	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	BU	0.2	mg/L		0.2	SW846-6010B
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		19.8	mg/L		1	SW846-6010B
Chromium	UX	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Cobalt	U	0.001	mg/L		0.001	SW846-6020
Copper	UX	0.02	mg/L		0.02	SW846-6020
Iron		0.159	mg/L		0.1	SW846-6010B
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium	B	7.91	mg/L		0.02	SW846-6010B
Manganese	UX	0.005	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	UX	0.005	mg/L		0.005	SW846-6020
Potassium		1.73	mg/L		0.2	SW846-6010B
Rhodium	BUX	0.005	mg/L		0.005	SW846-6020
Selenium	B	0.00651	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		34.6	mg/L		2	SW846-6010B
Tantalum	BUX	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.94	Inches/Hg			
<b>PHYSC</b>						
Conductivity		345	umho/cm			
Depth to Water		64.71	ft			
Dissolved Oxygen		6.64	mg/L			
Dissolved Solids	U	500	mg/L		500	EPA-160.1
pH		6.32	Std Unit			
Redox		47	mV			
Suspended Solids	U	25	mg/L		25	EPA-160.2
Temperature		56.3	deg F			
Turbidity		4	NTU			

# Paducah-OREIS Data Report

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## MW397

### 20708

#### RADS

Alpha activity	U	-0.07	pCi/L	0.05	3.1	SW846-9310
Beta activity		7.74	pCi/L	1.42	3.56	SW846-9310
Iodine-131	U	-8.86	pCi/L	17.7	16.5	RL-7124
Radium	U	0.0598	pCi/L	0.09	0.64	RL-7113
Radium-224	U	0	pCi/L	0	0.17	RL-7129
Radium-226	U	0.0897	pCi/L	0.09	0.29	RL-7129
Radium-228	U	0.502	pCi/L	0.12	3.18	RL-7129
Strontium-90	U	-0.0469	pCi/L	0.0075	1.72	RL-7140
Technetium-99	U	11.7	pCi/L	12.9	18.4	RL-7100
Thorium-230	U	0.0423	pCi/L	0.04	0.58	RL-7128
Tritium	U	50.9	pCi/L	148	246	704R7

#### SVOA

1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260

#### VOA

1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JUY	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L		0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	JU	0.01	mg/L		0.01	SW846-8260
Acetone	JU	0.01	mg/L		0.01	SW846-8260
Acrolein	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	JU	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	JU	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260

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## MW397

### 20708

Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Cyanide	*JU	0.05 mg/L	0.05	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.01 mg/L	0.01	SW846-9020B

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# Paducah-OREIS Data Report

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**MW369**  
**20710**  
**MW369UG2-06**

Collected: 1/4/2006

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	2	mg/L		2	SW846-9056
Chloride		40	mg/L		2	SW846-9056
Fluoride		0.22	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		11	mg/L		2	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010B
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic		0.00396	mg/L		0.001	SW846-6020
Barium		0.384	mg/L		0.005	SW846-6020
Barium, Dissolved		0.358	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	BU	0.2	mg/L		0.2	SW846-6010B
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		20.6	mg/L		1	SW846-6010B
Chromium	U	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Cobalt		0.0666	mg/L		0.001	SW846-6020
Copper	BU	0.02	mg/L		0.02	SW846-6020
Iron		4.32	mg/L		0.1	SW846-6010B
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium	B	8.47	mg/L		0.02	SW846-6010B
Manganese		0.546	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel		0.0109	mg/L		0.005	SW846-6020
Potassium	B	0.803	mg/L		0.2	SW846-6010B
Rhodium	BU	0.005	mg/L		0.005	SW846-6020
Selenium	U	0.005	mg/L		0.005	SW846-6020
Silver	U	0.001	mg/L		0.001	SW846-6020
Sodium		47.5	mg/L		2	SW846-6010B
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.77	Inches/Hg			
<b>PHYSC</b>						
Conductivity		429	umho/cm			
Depth to Water		42.25	ft			
Dissolved Oxygen		1.79	mg/L			
Dissolved Solids	U	500	mg/L		500	EPA-160.1
pH		6.41	Std Unit			
Redox		170	mV			
Suspended Solids	U	25	mg/L		25	EPA-160.2
Temperature		60.7	deg F			
Turbidity		12.8	NTU			

## MW369

## 20710

## RADS

Alpha activity	U	2.85	pCi/L	1.47	3.75	SW846-9310
Beta activity		5.02	pCi/L	1.04	3.84	SW846-9310
Iodine-131	U	0.585	pCi/L	1.17	11.2	RL-7124
Radium	U	0.0542	pCi/L	0.05	0.62	RL-7113
Radium-224	U	-0.0431	pCi/L	0.04	0.69	RL-7129
Radium-226	U	0.234	pCi/L	0.21	0.34	RL-7129
Radium-228	U	2.19	pCi/L	0.37	3.99	RL-7129
Strontium-90	U	0.136	pCi/L	0.02	1.44	RL-7140
Technetium-99	U	0.45	pCi/L	12.2	17.5	RL-7100
Thorium-230	U	0.0753	pCi/L	0.06	0.59	RL-7128
Tritium	U	14.5	pCi/L	152	252	704R7

## SVOA

1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260

## VOA

1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JUY	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	JU	0.01	mg/L		0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	JU	0.01	mg/L		0.01	SW846-8260
Acrolein	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	JU	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260

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## MW369

### 20710

Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene		0.003 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Cyanide	JU	0.05 mg/L	0.05	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	X	1.9 mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.0285 mg/L	0.01	SW846-9020B

# Paducah-OREIS Data Report

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**MW370**  
**20710**  
**MW370UG2-06**

Collected: 1/9/2006

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	2	mg/L		2	SW846-9056
Chloride		130	mg/L		10	SW846-9056
Fluoride		0.15	mg/L		0.1	9214
Nitrate as Nitrogen	X	1	mg/L		1	SW846-9056
Sulfate		19	mg/L		2	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010B
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic	U	0.001	mg/L		0.001	SW846-6020
Barium		0.192	mg/L		0.005	SW846-6020
Barium, Dissolved		0.198	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	BU	0.2	mg/L		0.2	SW846-6010B
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		30.3	mg/L		1	SW846-6010B
Chromium	U	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Cobalt		0.00205	mg/L		0.001	SW846-6020
Copper	BU	0.02	mg/L		0.02	SW846-6020
Iron	U	0.1	mg/L		0.1	SW846-6010B
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium	B	12.3	mg/L		0.02	SW846-6010B
Manganese		0.0191	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	B	0.00616	mg/L		0.005	SW846-6020
Potassium	B	2.47	mg/L		0.2	SW846-6010B
Rhodium	BU	0.005	mg/L		0.005	SW846-6020
Selenium		0.00564	mg/L		0.005	SW846-6020
Silver	U	0.001	mg/L		0.001	SW846-6020
Sodium		35.8	mg/L		2	SW846-6010B
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		30.09	Inches/Hg			
<b>PHYSC</b>						
Conductivity		446	umho/cm			
Depth to Water		43.55	ft			
Dissolved Oxygen		3.12	mg/L			
Dissolved Solids	U	500	mg/L		500	EPA-160.1
pH		6.2	Std Unit			
Redox		126	mV			
Suspended Solids	U	25	mg/L		25	EPA-160.2
Temperature		57.3	deg F			
Turbidity		4	NTU			

**MW370**

**20710**

**RADS**

Alpha activity		3.93	pCi/L	1.68	3.73	SW846-9310
Beta activity		17.3	pCi/L	2.52	3.83	SW846-9310
Iodine-131	U	-3.86	pCi/L	7.71	9.87	RL-7124
Radium	U	0.252	pCi/L	0.1	0.62	RL-7113
Radium-224	U	0	pCi/L	0	0.18	RL-7129
Radium-226	U	0.117	pCi/L	0.12	0.34	RL-7129
Radium-228	U	1.99	pCi/L	0.39	3.98	RL-7129
Strontium-90	U	0.271	pCi/L	0.04	1.23	RL-7140
Technetium-99		21.7	pCi/L	12.3	17.1	RL-7100
Thorium-230	U	0.00128	pCi/L	0.04	0.58	RL-7128
Tritium	U	61.1	pCi/L	146	241	704R7

**SVOA**

1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260

**VOA**

1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JUY	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	JU	0.01	mg/L		0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	JU	0.01	mg/L		0.01	SW846-8260
Acrolein	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	JU	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260

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## MW370

### 20710

Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene		0.0082 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Cyanide	JU	0.05 mg/L	0.05	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.0126 mg/L	0.01	SW846-9020B

# Paducah-OREIS Data Report

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12/18/2007

**MW371**  
**20710**  
**MW371UG2-06**

Collected: 1/4/2006

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	2	mg/L		2	SW846-9056
Chloride		8.5	mg/L		2	SW846-9056
Fluoride		0.29	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		4.2	mg/L		2	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010B
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic	U	0.001	mg/L		0.001	SW846-6020
Barium		0.116	mg/L		0.005	SW846-6020
Barium, Dissolved		0.11	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	BU	0.2	mg/L		0.2	SW846-6010B
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		23.8	mg/L		1	SW846-6010B
Chromium	U	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Cobalt	U	0.001	mg/L		0.001	SW846-6020
Copper	BU	0.02	mg/L		0.02	SW846-6020
Iron		1.04	mg/L		0.1	SW846-6010B
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium	B	9.46	mg/L		0.02	SW846-6010B
Manganese		0.0267	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	BU	0.005	mg/L		0.005	SW846-6020
Potassium	B	0.459	mg/L		0.2	SW846-6010B
Rhodium	BU	0.005	mg/L		0.005	SW846-6020
Selenium	U	0.005	mg/L		0.005	SW846-6020
Silver	U	0.001	mg/L		0.001	SW846-6020
Sodium		119	mg/L		2	SW846-6010B
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.77	Inches/Hg			
<b>PHYSC</b>						
Conductivity		747	umho/cm			
Depth to Water		23.73	ft			
Dissolved Oxygen		1.99	mg/L			
Dissolved Solids	U	500	mg/L		500	EPA-160.1
pH		6.68	Std Unit			
Redox		239	mV			
Suspended Solids	U	25	mg/L		25	EPA-160.2
Temperature		60.1	deg F			
Turbidity		12.6	NTU			

# Paducah-OREIS Data Report

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## MW371

### 20710

#### RADS

Alpha activity	U	2.61	pCi/L	1.74	6.44	SW846-9310
Beta activity	U	-2.38	pCi/L	0.75	5.16	SW846-9310
Iodine-131	U	-1.57	pCi/L	3.15	9.82	RL-7124
Radium	U	-0.904	pCi/L	2.03	0.62	RL-7113
Radium-224	U	-0.0271	pCi/L	0.02	0.3	RL-7129
Radium-226	U	0.1	pCi/L	0.1	0.28	RL-7129
Radium-228	U	1.95	pCi/L	0.33	3.69	RL-7129
Strontium-90	U	0.383	pCi/L	0.06	1.47	RL-7140
Technetium-99	U	6.12	pCi/L	12.2	17.5	RL-7100
Thorium-230	U	-0.0125	pCi/L	0.01	0.58	RL-7128
Tritium	U	-20.9	pCi/L	152	254	704R7

#### SVOA

1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260

#### VOA

1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JUY	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	JU	0.01	mg/L		0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	JU	0.01	mg/L		0.01	SW846-8260
Acrolein	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	JU	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260



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### 20710

Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Cyanide	JU	0.05 mg/L	0.05	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	X	1.9 mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.0101 mg/L	0.01	SW846-9020B

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# Paducah-OREIS Data Report

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## MW371 20710 MW371DUG2-06

Collected: 1/4/2006

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	2	mg/L		2	SW846-9056
Chloride		8.3	mg/L		2	SW846-9056
Fluoride		0.3	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		4.2	mg/L		2	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010B
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic	U	0.001	mg/L		0.001	SW846-6020
Barium		0.0381	mg/L		0.005	SW846-6020
Barium, Dissolved		0.114	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	BU	0.2	mg/L		0.2	SW846-6010B
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		10	mg/L		1	SW846-6010B
Chromium	U	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Cobalt	U	0.001	mg/L		0.001	SW846-6020
Copper	BU	0.02	mg/L		0.02	SW846-6020
Iron		0.219	mg/L		0.1	SW846-6010B
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium	B	3.96	mg/L		0.02	SW846-6010B
Manganese		0.00672	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	BU	0.005	mg/L		0.005	SW846-6020
Potassium	B	0.316	mg/L		0.2	SW846-6010B
Rhodium	BU	0.005	mg/L		0.005	SW846-6020
Selenium	U	0.005	mg/L		0.005	SW846-6020
Silver	U	0.001	mg/L		0.001	SW846-6020
Sodium		42.9	mg/L		2	SW846-6010B
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.77	Inches/Hg			
<b>PHYSC</b>						
Conductivity		747	umho/cm			
Depth to Water		23.73	ft			
Dissolved Oxygen		1.99	mg/L			
Dissolved Solids	U	500	mg/L		500	EPA-160.1
pH		6.68	Std Unit			
Redox		239	mV			
Suspended Solids	U	25	mg/L		25	EPA-160.2
Temperature		60.1	deg F			
Turbidity		12.6	NTU			

# Paducah-OREIS Data Report

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## MW371

### 20710

#### RADS

Alpha activity	U	0.429	pCi/L	0.38	6.43	SW846-9310
Beta activity	U	-3.24	pCi/L	1.09	5.16	SW846-9310
Iodine-131	U	4.93	pCi/L	9.86	12.2	RL-7124
Radium	U	0.0943	pCi/L	0.1	0.62	RL-7113
Radium-224	U	0.00822	pCi/L	0.01	0.18	RL-7129
Radium-226	U	0.0693	pCi/L	0.09	0.28	RL-7129
Radium-228	U	0.505	pCi/L	0.09	4.14	RL-7129
Strontium-90	U	0.0949	pCi/L	0.01	1.39	RL-7140
Technetium-99	U	4.78	pCi/L	12.1	17.5	RL-7100
Thorium-230	U	0.0248	pCi/L	0.05	0.58	RL-7128
Tritium	U	39.3	pCi/L	152	252	704R7

#### SVOA

1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260

#### VOA

1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JUY	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	JU	0.01	mg/L		0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	JU	0.01	mg/L		0.01	SW846-8260
Acrolein	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	JU	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260

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## MW371

### 20710

Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Cyanide	JU	0.05 mg/L	0.05	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		1.9 mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.0152 mg/L	0.01	SW846-9020B

# Paducah-OREIS Data Report

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**MW222**

**20731**

**040606**

Collected: 4/4/2006

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>PHYSC</b>						
Conductivity		379	umho/cm			
Dissolved Oxygen		1.56	mg/L			
pH		6.55	Std Unit			
Temperature		61.1	deg F			
Turbidity		49.6	NTU			
<b>PCCB</b>						
PCB-1016	U	0.001	mg/L		0.001	SW846-8082
PCB-1221	U	0.001	mg/L		0.001	SW846-8082
PCB-1232	U	0.001	mg/L		0.001	SW846-8082
PCB-1242	U	0.001	mg/L		0.001	SW846-8082
PCB-1248	U	0.001	mg/L		0.001	SW846-8082
PCB-1254	U	0.001	mg/L		0.001	SW846-8082
PCB-1260	U	0.001	mg/L		0.001	SW846-8082
PCB-1262	U	0.001	mg/L		0.001	SW846-8082
PCB-1268	U	0.001	mg/L		0.001	SW846-8082

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# Paducah-OREIS Data Report

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**MW223**

**20731**

**040603**

Collected: 4/4/2006

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>PHYSC</b>						
Conductivity		374	umho/cm			
Dissolved Oxygen		4.52	mg/L			
pH		6.2	Std Unit			
Temperature		60.4	deg F			
Turbidity		4.7	NTU			
<b>PCCB</b>						
PCB-1016	U	0.001	mg/L		0.001	SW846-8082
PCB-1221	U	0.001	mg/L		0.001	SW846-8082
PCB-1232	U	0.001	mg/L		0.001	SW846-8082
PCB-1242	U	0.001	mg/L		0.001	SW846-8082
PCB-1248	U	0.001	mg/L		0.001	SW846-8082
PCB-1254	U	0.001	mg/L		0.001	SW846-8082
PCB-1260	U	0.001	mg/L		0.001	SW846-8082
PCB-1262	U	0.001	mg/L		0.001	SW846-8082
PCB-1268	U	0.001	mg/L		0.001	SW846-8082

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# Paducah-OREIS Data Report

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**MW369**

**20731**

**040602**

Collected: 4/4/2006

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>PHYSC</b>						
Conductivity		437	umho/cm			
Dissolved Oxygen		1.6	mg/L			
pH		6.19	Std Unit			
Temperature		58.7	deg F			
Turbidity		4.5	NTU			
<b>PCCB</b>						
PCB-1016	U	0.001	mg/L		0.001	SW846-8082
PCB-1221	U	0.001	mg/L		0.001	SW846-8082
PCB-1232	U	0.001	mg/L		0.001	SW846-8082
PCB-1242	U	0.001	mg/L		0.001	SW846-8082
PCB-1248	U	0.001	mg/L		0.001	SW846-8082
PCB-1254	U	0.001	mg/L		0.001	SW846-8082
PCB-1260	U	0.001	mg/L		0.001	SW846-8082
PCB-1262	U	0.001	mg/L		0.001	SW846-8082
PCB-1268	U	0.001	mg/L		0.001	SW846-8082

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**MW245**

**20786**

**MW245QS2-06**

Collected: 5/18/2006

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METEO</b>						
Barometric Pressure Reading		29.68	Inches/Hg			
<b>PHYSC</b>						
Conductivity		379	umho/cm			
Depth to Water		43.21	ft			
Dissolved Oxygen		1.91	mg/L			
pH		6.2	Std Unit			
Redox		13	mV			
Temperature		64.5	deg F			
Turbidity		121	NTU			
<b>RADS</b>						
Alpha activity	U	2.53	pCi/L	1.4	3.45	SW846-9310
Beta activity	U	4.03	pCi/L	0.85	4.33	SW846-9310
Technetium-99		17.4	pCi/L	12.4	17.3	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	JU	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene		0.13	mg/L		0.001	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260



# Paducah-OREIS Data Report

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## MW220 20789 MW220SG3-06

Collected: 4/11/2006

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	2	mg/L		2	SW846-9056
Chloride		32	mg/L		2	SW846-9056
Fluoride		0.19	mg/L		0.1	9214
Nitrate as Nitrogen		1.4	mg/L		1	SW846-9056
Sulfate		13	mg/L		2	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010B
Antimony	U	0.005	mg/L		0.005	SW846-6020
Arsenic		0.00198	mg/L		0.001	SW846-6020
Barium		0.223	mg/L		0.005	SW846-6020
Barium, Dissolved		0.228	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6010B
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		22.1	mg/L		1	SW846-6010B
Chromium	U	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Cobalt		0.00326	mg/L		0.001	SW846-6020
Copper	UX	0.02	mg/L		0.02	SW846-6020
Iron		0.161	mg/L		0.1	SW846-6010B
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		8.86	mg/L		0.02	SW846-6010B
Manganese	X	0.049	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum		0.00481	mg/L		0.001	SW846-6020
Nickel		0.219	mg/L		0.005	SW846-6020
Potassium	B	6.28	mg/L		0.2	SW846-6010B
Rhodium	U	0.005	mg/L		0.005	SW846-6020
Selenium		0.00812	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		37.3	mg/L		2	SW846-6010B
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	BU	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc		0.0421	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		30.06	Inches/Hg			
<b>PHYSC</b>						
Conductivity		369	umho/cm			
Depth to Water		57.13	ft			
Dissolved Oxygen		3.69	mg/L			
Dissolved Solids	U	500	mg/L		500	EPA-160.1
pH		6.28	Std Unit			
Redox		209	mV			
Suspended Solids	U	25	mg/L		25	EPA-160.2
Temperature		62	deg F			
Turbidity		2.1	NTU			

# Paducah-OREIS Data Report

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## MW220

### 20789

#### RADS

Alpha activity	U	-1.11	pCi/L	1.11	3.72	SW846-9310
Beta activity		14.3	pCi/L	2.25	4.43	SW846-9310
Iodine-131	U	4.85	pCi/L	9.7	23.4	RL-7124
Radium-226	U	0.411	pCi/L	0.35	0.71	RL-7129
Strontium-90	U	-0.0367	pCi/L	0.0058	2.08	RL-7140
Technetium-99		23.1	pCi/L	14.5	20.6	RL-7100
Thorium-230	UT	-0.0295	pCi/L	0.0037	0.31	RL-7128
Tritium	U	-9.42	pCi/L	160	266	704R7

#### SVOA

1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260

#### VOA

1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JUY	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	U	0.01	mg/L		0.01	SW846-8260
Acrolein	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260

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## MW220

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Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Cyanide	JU	0.05 mg/L	0.05	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.01 mg/L	0.01	SW846-9020B

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**MW221**

**20789**

**MW221SG3-06**

Collected: 4/11/2006

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	2	mg/L		2	SW846-9056
Chloride		40	mg/L		2	SW846-9056
Fluoride		0.19	mg/L		0.1	9214
Nitrate as Nitrogen		1.6	mg/L		1	SW846-9056
Sulfate		12	mg/L		2	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010B
Antimony	U	0.005	mg/L		0.005	SW846-6020
Arsenic		0.00149	mg/L		0.001	SW846-6020
Barium		0.228	mg/L		0.005	SW846-6020
Barium, Dissolved		0.223	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6010B
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		20.8	mg/L		1	SW846-6010B
Chromium	U	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Cobalt		0.00183	mg/L		0.001	SW846-6020
Copper	UX	0.02	mg/L		0.02	SW846-6020
Iron	U	0.1	mg/L		0.1	SW846-6010B
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		8.92	mg/L		0.02	SW846-6010B
Manganese	X	0.00859	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum		0.00317	mg/L		0.001	SW846-6020
Nickel		0.06	mg/L		0.005	SW846-6020
Potassium	B	1.5	mg/L		0.2	SW846-6010B
Rhodium	U	0.005	mg/L		0.005	SW846-6020
Selenium		0.00778	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		40.8	mg/L		2	SW846-6010B
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	BU	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		30.06	Inches/Hg			
<b>PHYSC</b>						
Conductivity		376	umho/cm			
Depth to Water		66.6	ft			
Dissolved Oxygen		5.75	mg/L			
Dissolved Solids	U	500	mg/L		500	EPA-160.1
pH		6.33	Std Unit			
Redox		179	mV			
Suspended Solids	U	25	mg/L		25	EPA-160.2
Temperature		60.2	deg F			
Turbidity		4.5	NTU			

# Paducah-OREIS Data Report

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## MW221

### 20789

#### RADS

Alpha activity	U	3.57	pCi/L	1.78	3.73	SW846-9310
Beta activity		8.05	pCi/L	1.48	4.43	SW846-9310
Iodine-131	U	-4.82	pCi/L	9.63	17.6	RL-7124
Radium-226	U	0.108	pCi/L	0.2	0.71	RL-7129
Strontium-90	U	-0.0881	pCi/L	0.01	1.43	RL-7140
Technetium-99	U	4.12	pCi/L	14	20.6	RL-7100
Thorium-230	U	0.0217	pCi/L	0.08	0.27	RL-7128
Tritium	U	-35.3	pCi/L	159	266	704R7

#### SVOA

1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260

#### VOA

1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JUY	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	U	0.01	mg/L		0.01	SW846-8260
Acrolein	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260

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## MW221

### 20789

Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Cyanide	JU	0.05 mg/L	0.05	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.01 mg/L	0.01	SW846-9020B

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# Paducah-OREIS Data Report

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**MW222**

**20789**

**MW222SG3-06**

Collected: 4/4/2006

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	2	mg/L		2	SW846-9056
Chloride		38	mg/L		2	SW846-9056
Fluoride		0.32	mg/L		0.1	9214
Nitrate as Nitrogen		1.1	mg/L		1	SW846-9056
Sulfate		12	mg/L		2	SW846-9056
<b>METAL</b>						
Aluminum		3.18	mg/L		0.2	SW846-6010B
Antimony	U	0.005	mg/L		0.005	SW846-6020
Arsenic		0.00248	mg/L		0.001	SW846-6020
Barium		0.482	mg/L		0.005	SW846-6020
Barium, Dissolved		0.448	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	JU	0.2	mg/L		0.2	SW846-6010B
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		19.2	mg/L		1	SW846-6010B
Chromium	U	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Cobalt		0.0114	mg/L		0.001	SW846-6020
Copper	UX	0.02	mg/L		0.02	SW846-6020
Iron		3.02	mg/L		0.1	SW846-6010B
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		8.53	mg/L		0.02	SW846-6010B
Manganese	X	1.55	mg/L		0.05	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel		0.0138	mg/L		0.005	SW846-6020
Potassium	B	1.05	mg/L		0.2	SW846-6010B
Rhodium	U	0.005	mg/L		0.005	SW846-6020
Selenium		0.0063	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		44.4	mg/L		2	SW846-6010B
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	BU	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		30.15	Inches/Hg			
<b>PHYSC</b>						
Conductivity		379	umho/cm			
Depth to Water		70.88	ft			
Dissolved Oxygen		1.56	mg/L			
Dissolved Solids	U	500	mg/L		500	EPA-160.1
pH		6.55	Std Unit			
Redox		228	mV			
Suspended Solids	U	25	mg/L		25	EPA-160.2
Temperature		61.1	deg F			
Turbidity		49.6	NTU			

**MW222****20789****PPCB**

PCB, Total	UX	0.00017	mg/L		0.0002	SW846-8082
PCB-1016	UX	0.00016	mg/L		0.0002	SW846-8082
PCB-1221	UX	0.00017	mg/L		0.0002	SW846-8082
PCB-1232	UX	0.00013	mg/L		0.0001	SW846-8082
PCB-1242	UX	0.0001	mg/L		0.0001	SW846-8082
PCB-1248	UX	0.00011	mg/L		0.0001	SW846-8082
PCB-1254	UX	0.00007	mg/L		7E-05	SW846-8082
PCB-1260	UX	0.00005	mg/L		5E-05	SW846-8082
PCB-1268	UX	0.00009	mg/L		9E-05	SW846-8082

**RADS**

Alpha activity	U	-0.204	pCi/L	0.18	3.4	SW846-9310
Beta activity	U	2.36	pCi/L	0.55	3.68	SW846-9310
Iodine-131	U	-0.689	pCi/L	1.38	13.8	RL-7124
Radium-226	U	0.274	pCi/L	0.42	0.86	RL-7129
Strontium-90	U	-0.292	pCi/L	0.05	1.62	RL-7140
Technetium-99	U	1.68	pCi/L	13.6	20.6	RL-7100
Thorium-230	U	0.0621	pCi/L	0.06	0.18	RL-7128
Tritium	U	2.08	pCi/L	159	264	704R7

**SVOA**

1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260

**VOA**

1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	UY	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	U	0.01	mg/L		0.01	SW846-8260
Acrolein	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260



# Paducah-OREIS Data Report

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## MW222

### 20789

Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	U	0.005 mg/L	0.005	SW846-8260
Methylene chloride	U	0.005 mg/L	0.005	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Cyanide	U	0.05 mg/L	0.05	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.01 mg/L	0.01	SW846-9020B

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# Paducah-OREIS Data Report

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**MW223**  
**20789**  
**MW223SG3-06**

Collected: 4/4/2006

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	2	mg/L		2	SW846-9056
Chloride		36	mg/L		2	SW846-9056
Fluoride		0.24	mg/L		0.1	9214
Nitrate as Nitrogen		1.3	mg/L		1	SW846-9056
Sulfate		12	mg/L		2	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010B
Antimony	U	0.005	mg/L		0.005	SW846-6020
Arsenic		0.00129	mg/L		0.001	SW846-6020
Barium		0.248	mg/L		0.005	SW846-6020
Barium, Dissolved		0.246	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	JU	0.2	mg/L		0.2	SW846-6010B
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		20.5	mg/L		1	SW846-6010B
Chromium	U	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Cobalt	U	0.001	mg/L		0.001	SW846-6020
Copper	UX	0.02	mg/L		0.02	SW846-6020
Iron	U	0.1	mg/L		0.1	SW846-6010B
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		8.32	mg/L		0.02	SW846-6010B
Manganese	X	0.0279	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum		0.00388	mg/L		0.001	SW846-6020
Nickel		0.0312	mg/L		0.005	SW846-6020
Potassium	B	2.84	mg/L		0.2	SW846-6010B
Rhodium	U	0.005	mg/L		0.005	SW846-6020
Selenium		0.00556	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		40.9	mg/L		2	SW846-6010B
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	BU	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		30.15	Inches/Hg			
<b>PHYSC</b>						
Conductivity		374	umho/cm			
Depth to Water		69.98	ft			
Dissolved Oxygen		4.52	mg/L			
Dissolved Solids	U	500	mg/L		500	EPA-160.1
pH		6.2	Std Unit			
Redox		239	mV			
Suspended Solids	U	25	mg/L		25	EPA-160.2
Temperature		60.4	deg F			
Turbidity		4.7	NTU			

**MW223****20789****PPCB**

PCB, Total	UX	0.00017	mg/L		0.0002	SW846-8082
PCB-1016	UX	0.00016	mg/L		0.0002	SW846-8082
PCB-1221	UX	0.00017	mg/L		0.0002	SW846-8082
PCB-1232	UX	0.00013	mg/L		0.0001	SW846-8082
PCB-1242	UX	0.0001	mg/L		0.0001	SW846-8082
PCB-1248	UX	0.00011	mg/L		0.0001	SW846-8082
PCB-1254	UX	0.00007	mg/L		7E-05	SW846-8082
PCB-1260	UX	0.00005	mg/L		5E-05	SW846-8082
PCB-1268	UX	0.00009	mg/L		9E-05	SW846-8082

**RADS**

Alpha activity	U	-1.65	pCi/L	3.3	3.29	SW846-9310
Beta activity		5.48	pCi/L	1.1	3.64	SW846-9310
Iodine-131	U	-3.69	pCi/L	7.38	15.8	RL-7124
Radium-226	U	-0.0182	pCi/L	0.03	0.73	RL-7129
Strontium-90	U	0.0694	pCi/L	0.01	1.93	RL-7140
Technetium-99		27.2	pCi/L	13.6	19.9	RL-7100
Thorium-230	U	-0.0096	pCi/L	0.02	0.18	RL-7128
Tritium	U	-19	pCi/L	159	264	704R7

**SVOA**

1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260

**VOA**

1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	UY	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	U	0.01	mg/L		0.01	SW846-8260
Acrolein	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260

# Paducah-OREIS Data Report

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## MW223

### 20789

Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	U	0.005 mg/L	0.005	SW846-8260
Methylene chloride	U	0.005 mg/L	0.005	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Cyanide	U	0.05 mg/L	0.05	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.01 mg/L	0.01	SW846-9020B

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# Paducah-OREIS Data Report

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**MW224**  
**20789**  
**MW224SG3-06**

Collected: 4/4/2006

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	2	mg/L		2	SW846-9056
Chloride		31	mg/L		2	SW846-9056
Fluoride		0.32	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		17	mg/L		2	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010B
Antimony	U	0.005	mg/L		0.005	SW846-6020
Arsenic		0.00134	mg/L		0.001	SW846-6020
Barium		0.393	mg/L		0.005	SW846-6020
Barium, Dissolved		0.382	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	JU	0.2	mg/L		0.2	SW846-6010B
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		28.8	mg/L		1	SW846-6010B
Chromium	U	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Cobalt		0.0131	mg/L		0.001	SW846-6020
Copper	UX	0.02	mg/L		0.02	SW846-6020
Iron	U	0.1	mg/L		0.1	SW846-6010B
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		12.2	mg/L		0.02	SW846-6010B
Manganese	X	1.62	mg/L		0.05	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel		0.00746	mg/L		0.005	SW846-6020
Potassium	B	1.13	mg/L		0.2	SW846-6010B
Rhodium	U	0.005	mg/L		0.005	SW846-6020
Selenium		0.00534	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		62.7	mg/L		2	SW846-6010B
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	BU	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		30.15	Inches/Hg			
<b>PHYSC</b>						
Conductivity		517	umho/cm			
Depth to Water		71.35	ft			
Dissolved Oxygen		2.41	mg/L			
Dissolved Solids	U	500	mg/L		500	EPA-160.1
pH		6.24	Std Unit			
Redox		243	mV			
Suspended Solids	U	25	mg/L		25	EPA-160.2
Temperature		61.4	deg F			
Turbidity		1.9	NTU			

**MW224****20789****RADS**

Alpha activity	U	0.207	pCi/L	0.16	4.26	SW846-9310
Beta activity	U	1.8	pCi/L	0.44	4.1	SW846-9310
Iodine-131	U	3.22	pCi/L	6.43	15.8	RL-7124
Radium-226	U	0.156	pCi/L	0.25	0.76	RL-7129
Strontium-90	U	0.117	pCi/L	0.01	1.86	RL-7140
Technetium-99	U	3.94	pCi/L	13.9	20.6	RL-7100
Thorium-230	U	0.081	pCi/L	0.05	0.17	RL-7128
Tritium	U	36.2	pCi/L	158	262	704R7

**SVOA**

1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260

**VOA**

1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	UY	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	U	0.01	mg/L		0.01	SW846-8260
Acrolein	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260

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Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Cyanide	JU	0.05 mg/L	0.05	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.01 mg/L	0.01	SW846-9020B

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# Paducah-OREIS Data Report

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**MW384**  
**20789**  
**MW384SG3-06**

Collected: 4/10/2006

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	2	mg/L		2	SW846-9056
Chloride		49	mg/L		2	SW846-9056
Fluoride		0.21	mg/L		0.1	9214
Nitrate as Nitrogen		1.5	mg/L		1	SW846-9056
Sulfate		22	mg/L		2	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010B
Antimony	U	0.005	mg/L		0.005	SW846-6020
Arsenic		0.00609	mg/L		0.001	SW846-6020
Barium		0.213	mg/L		0.005	SW846-6020
Barium, Dissolved		0.201	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	JU	0.2	mg/L		0.2	SW846-6010B
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		27.9	mg/L		1	SW846-6010B
Chromium	U	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Cobalt		0.00119	mg/L		0.001	SW846-6020
Copper	UX	0.02	mg/L		0.02	SW846-6020
Iron		0.768	mg/L		0.1	SW846-6010B
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		10.7	mg/L		0.02	SW846-6010B
Manganese	X	0.127	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	U	0.005	mg/L		0.005	SW846-6020
Potassium	B	1.49	mg/L		0.2	SW846-6010B
Rhodium	U	0.005	mg/L		0.005	SW846-6020
Selenium		0.00764	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		45.3	mg/L		2	SW846-6010B
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	BU	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		30.12	Inches/Hg			
<b>PHYSC</b>						
Conductivity		500	umho/cm			
Depth to Water		40.91	ft			
Dissolved Oxygen		1.9	mg/L			
Dissolved Solids	U	500	mg/L		500	EPA-160.1
pH		5.9	Std Unit			
Redox		-33	mV			
Suspended Solids	U	25	mg/L		25	EPA-160.2
Temperature		57.3	deg F			
Turbidity		14	NTU			



# Paducah-OREIS Data Report

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## MW384

### 20789

#### RADS

Alpha activity		5.77	pCi/L	1.37	3.97	SW846-9310
Beta activity		260	pCi/L	12	4.51	SW846-9310
Iodine-131	U	-3.87	pCi/L	7.73	22.6	RL-7124
Radium-226	U	0.342	pCi/L	0.3	0.71	RL-7129
Strontium-90	U	-0.168	pCi/L	0.02	1.93	RL-7140
Technetium-99		261	pCi/L	19.4	20.6	RL-7100
Thorium-230	U	0.0207	pCi/L	0.08	0.27	RL-7128
Tritium	U	-91.3	pCi/L	157	264	704R7

#### SVOA

1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260

#### VOA

1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JUY	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	U	0.01	mg/L		0.01	SW846-8260
Acrolein	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260

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Trichloroethene		0.0011 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Cyanide	JU	0.05 mg/L	0.05	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		4.6 mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.0125 mg/L	0.01	SW846-9020B

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**MW385**

**20789**

**MW385SG3-06**

Collected: 4/10/2006

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	2	mg/L		2	SW846-9056
Chloride		29	mg/L		2	SW846-9056
Fluoride		0.27	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		18	mg/L		2	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010B
Antimony	U	0.005	mg/L		0.005	SW846-6020
Arsenic		0.00169	mg/L		0.001	SW846-6020
Barium		0.186	mg/L		0.005	SW846-6020
Barium, Dissolved		0.192	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	JU	0.2	mg/L		0.2	SW846-6010B
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		32.9	mg/L		1	SW846-6010B
Chromium	U	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Cobalt	U	0.001	mg/L		0.001	SW846-6020
Copper	UX	0.02	mg/L		0.02	SW846-6020
Iron	U	0.1	mg/L		0.1	SW846-6010B
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		9.91	mg/L		0.02	SW846-6010B
Manganese	UX	0.005	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	U	0.005	mg/L		0.005	SW846-6020
Potassium	B	1.98	mg/L		0.2	SW846-6010B
Rhodium	U	0.005	mg/L		0.005	SW846-6020
Selenium	U	0.005	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		39	mg/L		2	SW846-6010B
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	BU	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		30.12	Inches/Hg			
<b>PHYSC</b>						
Conductivity		473	umho/cm			
Depth to Water		41.33	ft			
Dissolved Oxygen		1.79	mg/L			
Dissolved Solids	U	500	mg/L		500	EPA-160.1
pH		6.9	Std Unit			
Redox		110	mV			
Suspended Solids	U	25	mg/L		25	EPA-160.2
Temperature		60.4	deg F			
Turbidity		4.9	NTU			

## MW385

## 20789

## RADS

Alpha activity		6.85	pCi/L	2.09	4.06	SW846-9310
Beta activity		106	pCi/L	7.5	4.53	SW846-9310
Iodine-131	U	1	pCi/L	2.01	17.2	RL-7124
Radium-226	U	0.233	pCi/L	0.31	0.73	RL-7129
Strontium-90	U	-0.0151	pCi/L	0.0024	1.74	RL-7140
Technetium-99		130	pCi/L	16.5	20.6	RL-7100
Thorium-230	U	0.0746	pCi/L	0.06	0.22	RL-7128
Tritium	U	-134	pCi/L	156	262	704R7

## SVOA

1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260

## VOA

1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	UY	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	U	0.01	mg/L		0.01	SW846-8260
Acrolein	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260

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Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Cyanide	JU	0.05 mg/L	0.05	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		1.1 mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.0109 mg/L	0.01	SW846-9020B

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# Paducah-OREIS Data Report

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**MW386**

**20789**

**MW386SG3-06**

Collected: 4/10/2006

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	2	mg/L		2	SW846-9056
Chloride		34	mg/L		2	SW846-9056
Fluoride		0.44	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		24	mg/L		2	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010B
Antimony	U	0.005	mg/L		0.005	SW846-6020
Arsenic	U	0.001	mg/L		0.001	SW846-6020
Barium		0.146	mg/L		0.005	SW846-6020
Barium, Dissolved		0.151	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	JU	0.2	mg/L		0.2	SW846-6010B
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		27.3	mg/L		1	SW846-6010B
Chromium	U	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Cobalt		0.00242	mg/L		0.001	SW846-6020
Copper	UX	0.02	mg/L		0.02	SW846-6020
Iron		1.48	mg/L		0.1	SW846-6010B
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		11	mg/L		0.02	SW846-6010B
Manganese	X	0.524	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	U	0.005	mg/L		0.005	SW846-6020
Potassium	B	0.683	mg/L		0.2	SW846-6010B
Rhodium	U	0.005	mg/L		0.005	SW846-6020
Selenium	U	0.005	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		110	mg/L		2	SW846-6010B
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	BU	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		30.12	Inches/Hg			
<b>PHYSC</b>						
Conductivity		656	umho/cm			
Depth to Water		21.23	ft			
Dissolved Oxygen		1.5	mg/L			
Dissolved Solids	U	500	mg/L		500	EPA-160.1
pH		6.6	Std Unit			
Redox		16	mV			
Suspended Solids	U	25	mg/L		25	EPA-160.2
Temperature		59.2	deg F			
Turbidity		20.4	NTU			

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## MW386

### 20789

#### RADS

Alpha activity	U	0.527	pCi/L	0.47	6.64	SW846-9310
Beta activity	U	-0.564	pCi/L	0.14	5.04	SW846-9310
Iodine-131	U	0.549	pCi/L	1.1	20.7	RL-7124
Radium-226	U	0.0411	pCi/L	0.08	0.74	RL-7129
Strontium-90	U	-0.212	pCi/L	0.03	1.74	RL-7140
Technetium-99	U	0.327	pCi/L	13.3	20.6	RL-7100
Thorium-230	U	-0.0163	pCi/L	0.03	0.24	RL-7128
Tritium	U	145	pCi/L	161	265	704R7

#### SVOA

1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260

#### VOA

1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	UY	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	U	0.01	mg/L		0.01	SW846-8260
Acrolein	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260

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## MW386

### 20789

Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)		44 mg/L	25	EPA-410.4 1978
Cyanide	JU	0.05 mg/L	0.05	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	D	15 mg/L	2	SW846-9060
Total Organic Halides (TOX)		0.351 mg/L	0.01	SW846-9020B

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# Paducah-OREIS Data Report

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**MW387**  
**20789**  
**MW387SG3-06**

Collected: 4/10/2006

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	2	mg/L		2	SW846-9056
Chloride		49	mg/L		2	SW846-9056
Fluoride		0.82	mg/L		0.1	9214
Nitrate as Nitrogen		1.5	mg/L		1	SW846-9056
Sulfate		22	mg/L		2	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010B
Antimony	U	0.005	mg/L		0.005	SW846-6020
Arsenic		0.00331	mg/L		0.001	SW846-6020
Barium		0.172	mg/L		0.005	SW846-6020
Barium, Dissolved		0.171	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	JU	0.2	mg/L		0.2	SW846-6010B
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		34.5	mg/L		1	SW846-6010B
Chromium	U	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Cobalt	U	0.001	mg/L		0.001	SW846-6020
Copper	UX	0.02	mg/L		0.02	SW846-6020
Iron		0.544	mg/L		0.1	SW846-6010B
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		13.7	mg/L		0.02	SW846-6010B
Manganese	X	0.107	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	U	0.005	mg/L		0.005	SW846-6020
Potassium	B	1.92	mg/L		0.2	SW846-6010B
Rhodium	U	0.005	mg/L		0.005	SW846-6020
Selenium		0.00704	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		50.5	mg/L		2	SW846-6010B
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	BU	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		30.12	Inches/Hg			
<b>PHYSC</b>						
Conductivity		523	umho/cm			
Depth to Water		39.03	ft			
Dissolved Oxygen		3.03	mg/L			
Dissolved Solids	U	500	mg/L		500	EPA-160.1
pH		6.3	Std Unit			
Redox		191	mV			
Suspended Solids	U	25	mg/L		25	EPA-160.2
Temperature		64.4	deg F			
Turbidity		9.8	NTU			

## MW387

## 20789

## RADS

Alpha activity	U	2.79	pCi/L	0.82	4.1	SW846-9310
Beta activity		176	pCi/L	9.83	4.55	SW846-9310
Iodine-131	U	4.09	pCi/L	8.18	21.1	RL-7124
Radium-226	U	-0.0629	pCi/L	0.06	0.7	RL-7129
Strontium-90	U	0.0549	pCi/L	0.0086	2.13	RL-7140
Technetium-99		354	pCi/L	21.2	20.6	RL-7100
Thorium-230	U	0.0435	pCi/L	0.06	0.21	RL-7128
Tritium	U	-95	pCi/L	156	262	704R7

## SVOA

1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260

## VOA

1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	UY	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	U	0.01	mg/L		0.01	SW846-8260
Acrolein	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260

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## MW387

## 20789

Trichloroethene		0.0027 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Cyanide	JU	0.05 mg/L	0.05	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		1.1 mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.0349 mg/L	0.01	SW846-9020B

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# Paducah-OREIS Data Report

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**MW388**

**20789**

**MW388SG3-06**

Collected: 4/10/2006

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	2	mg/L		2	SW846-9056
Chloride		38	mg/L		2	SW846-9056
Fluoride		0.3	mg/L		0.1	9214
Nitrate as Nitrogen		1.5	mg/L		1	SW846-9056
Sulfate		18	mg/L		2	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010B
Antimony	U	0.005	mg/L		0.005	SW846-6020
Arsenic		0.00176	mg/L		0.001	SW846-6020
Barium		0.179	mg/L		0.005	SW846-6020
Barium, Dissolved		0.186	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6010B
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		25.5	mg/L		1	SW846-6010B
Chromium	U	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Cobalt	U	0.001	mg/L		0.001	SW846-6020
Copper	UX	0.02	mg/L		0.02	SW846-6020
Iron	U	0.1	mg/L		0.1	SW846-6010B
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		10.5	mg/L		0.02	SW846-6010B
Manganese	UX	0.005	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	U	0.005	mg/L		0.005	SW846-6020
Potassium	B	1.96	mg/L		0.2	SW846-6010B
Rhodium	U	0.005	mg/L		0.005	SW846-6020
Selenium		0.00573	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		39.9	mg/L		2	SW846-6010B
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	BU	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		30.12	Inches/Hg			
<b>PHYSC</b>						
Conductivity		396	umho/cm			
Depth to Water		39.02	ft			
Dissolved Oxygen		5.2	mg/L			
Dissolved Solids	U	500	mg/L		500	EPA-160.1
pH		6.2	Std Unit			
Redox		184	mV			
Suspended Solids	U	25	mg/L		25	EPA-160.2
Temperature		63.9	deg F			
Turbidity		6.2	NTU			

# Paducah-OREIS Data Report

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## MW388

### 20789

#### RADS

Alpha activity	U	3.4	pCi/L	1.2	3.42	SW846-9310
Beta activity		83.2	pCi/L	6.43	4.31	SW846-9310
Iodine-131	U	-6.42	pCi/L	12.8	19.4	RL-7124
Radium-226	U	0.294	pCi/L	0.33	0.76	RL-7129
Strontium-90	U	1.41	pCi/L	0.17	1.69	RL-7140
Technetium-99		126	pCi/L	16.4	20.6	RL-7100
Thorium-230	U	0.0746	pCi/L	0.07	0.25	RL-7128
Tritium	U	-6.51	pCi/L	149	250	704R7

#### SVOA

1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260

#### VOA

1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	UY	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	U	0.01	mg/L		0.01	SW846-8260
Acrolein	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260

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Trichloroethene		0.0015 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Cyanide	JU	0.05 mg/L	0.05	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.01 mg/L	0.01	SW846-9020B

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**MW390**  
**20789**  
**MW390SG3-06**

Collected: 4/10/2006

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide		2.4	mg/L		2	SW846-9056
Chloride		230	mg/L		20	SW846-9056
Fluoride		0.24	mg/L		0.1	9214
Nitrate as Nitrogen		1.8	mg/L		1	SW846-9056
Sulfate		8.5	mg/L		2	SW846-9056
<b>METAL</b>						
Aluminum		2.86	mg/L		0.2	SW846-6010B
Antimony	U	0.005	mg/L		0.005	SW846-6020
Arsenic		0.00589	mg/L		0.001	SW846-6020
Barium		0.497	mg/L		0.005	SW846-6020
Barium, Dissolved		0.467	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6010B
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		60.9	mg/L		1	SW846-6010B
Chromium	U	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Cobalt		0.00115	mg/L		0.001	SW846-6020
Copper	UX	0.02	mg/L		0.02	SW846-6020
Iron		1.35	mg/L		0.1	SW846-6010B
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		23.9	mg/L		0.02	SW846-6010B
Manganese	X	0.00523	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum		0.00222	mg/L		0.001	SW846-6020
Nickel		0.0107	mg/L		0.005	SW846-6020
Potassium	B	1.01	mg/L		0.2	SW846-6010B
Rhodium	U	0.005	mg/L		0.005	SW846-6020
Selenium		0.0241	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		115	mg/L		2	SW846-6010B
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	BU	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		30.12	Inches/Hg			
<b>PHYSC</b>						
Conductivity		1060	umho/cm			
Depth to Water		36.12	ft			
Dissolved Oxygen		4.68	mg/L			
Dissolved Solids		617	mg/L		500	EPA-160.1
pH		6.3	Std Unit			
Redox		172	mV			
Suspended Solids	U	25	mg/L		25	EPA-160.2
Temperature		63.6	deg F			
Turbidity		8	NTU			

**MW390****20789****RADS**

Alpha activity	U	5.58	pCi/L	2.38	7.72	SW846-9310
Beta activity		58.4	pCi/L	5.71	5.16	SW846-9310
Iodine-131	U	1.6	pCi/L	3.2	24.6	RL-7124
Radium-226	U	0.448	pCi/L	0.36	0.8	RL-7129
Strontium-90	U	-0.13	pCi/L	0.02	1.68	RL-7140
Technetium-99		102	pCi/L	15.9	20.6	RL-7100
Thorium-230	UT	0.0999	pCi/L	0.11	0.35	RL-7128
Tritium	U	23.7	pCi/L	158	261	704R7

**SVOA**

1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260

**VOA**

1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JUY	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	U	0.01	mg/L		0.01	SW846-8260
Acrolein	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260



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## MW390

### 20789

Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Cyanide	JU	0.05 mg/L	0.05	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		2 mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.0147 mg/L	0.01	SW846-9020B

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**MW391**

**20789**

**MW391SG3-06**

Collected: 4/10/2006

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	2	mg/L		2	SW846-9056
Chloride		41	mg/L		2	SW846-9056
Fluoride		0.17	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		16	mg/L		2	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010B
Antimony	U	0.005	mg/L		0.005	SW846-6020
Arsenic		0.00112	mg/L		0.001	SW846-6020
Barium		0.231	mg/L		0.005	SW846-6020
Barium, Dissolved		0.23	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	JU	0.2	mg/L		0.2	SW846-6010B
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		25.1	mg/L		1	SW846-6010B
Chromium	U	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Cobalt	U	0.001	mg/L		0.001	SW846-6020
Copper	UX	0.02	mg/L		0.02	SW846-6020
Iron		0.251	mg/L		0.1	SW846-6010B
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		9.89	mg/L		0.02	SW846-6010B
Manganese	UX	0.005	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	U	0.005	mg/L		0.005	SW846-6020
Potassium	B	1.7	mg/L		0.2	SW846-6010B
Rhodium	U	0.005	mg/L		0.005	SW846-6020
Selenium		0.00598	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		34.8	mg/L		2	SW846-6010B
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	BU	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		30.12	Inches/Hg			
<b>PHYSC</b>						
Conductivity		407	umho/cm			
Depth to Water		42.45	ft			
Dissolved Oxygen		3.88	mg/L			
Dissolved Solids	U	500	mg/L		500	EPA-160.1
pH		6.45	Std Unit			
Redox		148	mV			
Suspended Solids	U	25	mg/L		25	EPA-160.2
Temperature		61.2	deg F			
Turbidity		4.8	NTU			

## MW391

## 20789

## RADS

Alpha activity	U	1.83	pCi/L	1.1	3.55	SW846-9310
Beta activity		6.27	pCi/L	1.22	4.36	SW846-9310
Iodine-131	U	9.9	pCi/L	19.8	27.9	RL-7124
Radium-226	U	0.204	pCi/L	0.27	0.7	RL-7129
Strontium-90	U	0.144	pCi/L	0.02	1.67	RL-7140
Technetium-99	U	6.11	pCi/L	13.3	20.6	RL-7100
Thorium-230	U	0.195	pCi/L	0.1	0.22	RL-7128
Tritium	U	-14.7	pCi/L	160	266	704R7

## SVOA

1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260

## VOA

1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	UY	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	U	0.01	mg/L		0.01	SW846-8260
Acrolein	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260

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Trichloroethene		0.012 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Cyanide	JU	0.05 mg/L	0.05	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.01 mg/L	0.01	SW846-9020B

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**MW392**

**20789**

**MW392SG3-06**

Collected: 4/10/2006

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	2	mg/L		2	SW846-9056
Chloride		45	mg/L		2	SW846-9056
Fluoride		0.25	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		8.5	mg/L		2	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010B
Antimony	U	0.005	mg/L		0.005	SW846-6020
Arsenic		0.00281	mg/L		0.001	SW846-6020
Barium		0.304	mg/L		0.005	SW846-6020
Barium, Dissolved		0.296	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	JU	0.2	mg/L		0.2	SW846-6010B
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		24.4	mg/L		1	SW846-6010B
Chromium	U	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Cobalt		0.00196	mg/L		0.001	SW846-6020
Copper	UX	0.02	mg/L		0.02	SW846-6020
Iron		2.99	mg/L		0.1	SW846-6010B
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		9.43	mg/L		0.02	SW846-6010B
Manganese	X	1.25	mg/L		0.05	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	U	0.005	mg/L		0.005	SW846-6020
Potassium	B	1.95	mg/L		0.2	SW846-6010B
Rhodium	U	0.005	mg/L		0.005	SW846-6020
Selenium	U	0.005	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		33.4	mg/L		2	SW846-6010B
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	BU	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		30.12	Inches/Hg			
<b>PHYSC</b>						
Conductivity		410	umho/cm			
Depth to Water		41.6	ft			
Dissolved Oxygen		1.16	mg/L			
Dissolved Solids	U	500	mg/L		500	EPA-160.1
pH		6.51	Std Unit			
Redox		18	mV			
Suspended Solids	U	25	mg/L		25	EPA-160.2
Temperature		61	deg F			
Turbidity		6.7	NTU			

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## MW392

### 20789

#### RADS

Alpha activity	U	0.116	pCi/L	0.1	3.39	SW846-9310
Beta activity	U	1.83	pCi/L	0.42	4.3	SW846-9310
Iodine-131	U	-8.81	pCi/L	17.6	18.5	RL-7124
Radium-226	U	0.152	pCi/L	0.23	0.72	RL-7129
Strontium-90	U	0.355	pCi/L	0.05	1.79	RL-7140
Technetium-99	U	8.73	pCi/L	13.4	20.6	RL-7100
Thorium-230	U	0.0187	pCi/L	0.04	0.21	RL-7128
Tritium	U	-128	pCi/L	158	265	704R7

#### SVOA

1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260

#### VOA

1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JUY	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	U	0.01	mg/L		0.01	SW846-8260
Acrolein	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260

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## MW392

## 20789

Trichloroethene		0.01 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Cyanide	JU	0.05 mg/L	0.05	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		2 mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.0377 mg/L	0.01	SW846-9020B

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# Paducah-OREIS Data Report

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**MW393**  
**20789**  
**MW393SG3-06**

Collected: 4/10/2006

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	2	mg/L		2	SW846-9056
Chloride		20	mg/L		2	SW846-9056
Fluoride		0.16	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		6.5	mg/L		2	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010B
Antimony	U	0.005	mg/L		0.005	SW846-6020
Arsenic		0.00269	mg/L		0.001	SW846-6020
Barium		0.106	mg/L		0.005	SW846-6020
Barium, Dissolved		0.11	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	JU	0.2	mg/L		0.2	SW846-6010B
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		12.1	mg/L		1	SW846-6010B
Chromium	U	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Cobalt	U	0.001	mg/L		0.001	SW846-6020
Copper	UX	0.02	mg/L		0.02	SW846-6020
Iron		5.07	mg/L		0.1	SW846-6010B
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		3.82	mg/L		0.02	SW846-6010B
Manganese	X	0.036	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	U	0.005	mg/L		0.005	SW846-6020
Potassium	B	0.57	mg/L		0.2	SW846-6010B
Rhodium	U	0.005	mg/L		0.005	SW846-6020
Selenium	U	0.005	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		79.8	mg/L		2	SW846-6010B
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	BU	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		30.12	Inches/Hg			
<b>PHYSC</b>						
Conductivity		484	umho/cm			
Depth to Water		26.1	ft			
Dissolved Oxygen		1.56	mg/L			
Dissolved Solids	U	500	mg/L		500	EPA-160.1
pH		6.53	Std Unit			
Redox		-69	mV			
Suspended Solids	U	25	mg/L		25	EPA-160.2
Temperature		58.6	deg F			
Turbidity		2.4	NTU			



# Paducah-OREIS Data Report

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## MW393

### 20789

#### RADS

Alpha activity	U	-1.59	pCi/L	3.17	4.51	SW846-9310
Beta activity	U	2.42	pCi/L	0.55	4.66	SW846-9310
Iodine-131	U	-8.88	pCi/L	17.8	18.6	RL-7124
Radium-226	U	-0.0311	pCi/L	0.04	0.68	RL-7129
Strontium-90	U	0.0363	pCi/L	0.0057	1.4	RL-7140
Technetium-99	U	4.69	pCi/L	13.2	20.6	RL-7100
Thorium-230	U	-0.0036	pCi/L	0.05	0.24	RL-7128
Tritium	U	-32.5	pCi/L	156	260	704R7

#### SVOA

1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260

#### VOA

1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	UY	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	U	0.01	mg/L		0.01	SW846-8260
Acrolein	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260

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## MW393

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Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Cyanide	JU	0.05 mg/L	0.05	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		4.8 mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.0609 mg/L	0.01	SW846-9020B

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# Paducah-OREIS Data Report

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**MW393**  
**20789**  
**MW393DSG3-06**

Collected: 4/10/2006

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	2	mg/L		2	SW846-9056
Chloride		20	mg/L		2	SW846-9056
Fluoride		0.15	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		8.9	mg/L		2	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010B
Antimony	U	0.005	mg/L		0.005	SW846-6020
Arsenic		0.00226	mg/L		0.001	SW846-6020
Barium		0.105	mg/L		0.005	SW846-6020
Barium, Dissolved		0.108	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	JU	0.2	mg/L		0.2	SW846-6010B
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		12.1	mg/L		1	SW846-6010B
Chromium	U	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Cobalt	U	0.001	mg/L		0.001	SW846-6020
Copper	UX	0.02	mg/L		0.02	SW846-6020
Iron		3.95	mg/L		0.1	SW846-6010B
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		3.86	mg/L		0.02	SW846-6010B
Manganese	X	0.0297	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	U	0.005	mg/L		0.005	SW846-6020
Potassium	B	0.57	mg/L		0.2	SW846-6010B
Rhodium	U	0.005	mg/L		0.005	SW846-6020
Selenium	U	0.005	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		76	mg/L		2	SW846-6010B
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	BU	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		30.12	Inches/Hg			
<b>PHYSC</b>						
Conductivity		484	umho/cm			
Depth to Water		26.1	ft			
Dissolved Oxygen		1.56	mg/L			
Dissolved Solids	U	500	mg/L		500	EPA-160.1
pH		6.53	Std Unit			
Redox		-69	mV			
Suspended Solids	U	25	mg/L		25	EPA-160.2
Temperature		58.6	deg F			
Turbidity		2.4	NTU			

# Paducah-OREIS Data Report

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## MW393

### 20789

#### RADS

Alpha activity	U	-0.112	pCi/L	0.11	4.33	SW846-9310
Beta activity	U	0.0671	pCi/L	0.01	4.61	SW846-9310
Iodine-131	U	2.75	pCi/L	5.5	19.7	RL-7124
Radium-226	U	0.364	pCi/L	0.32	0.74	RL-7129
Strontium-90	U	0.197	pCi/L	0.02	1.9	RL-7140
Technetium-99	U	-0.928	pCi/L	12.9	20.6	RL-7100
Thorium-230	UT	0.0671	pCi/L	0.13	0.28	RL-7128
Tritium	U	-74	pCi/L	158	265	704R7

#### SVOA

1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260

#### VOA

1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	UY	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	U	0.01	mg/L		0.01	SW846-8260
Acrolein	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260

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## MW393

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Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Cyanide	JU	0.05 mg/L	0.05	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		3.8 mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.0479 mg/L	0.01	SW846-9020B

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# Paducah-OREIS Data Report

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**MW394**  
**20789**  
**MW394SG3-06**

Collected: 4/11/2006

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	2	mg/L		2	SW846-9056
Chloride		62	mg/L		10	SW846-9056
Fluoride		0.14	mg/L		0.1	9214
Nitrate as Nitrogen		1.9	mg/L		1	SW846-9056
Sulfate		8.5	mg/L		2	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010B
Antimony	U	0.005	mg/L		0.005	SW846-6020
Arsenic		0.00183	mg/L		0.001	SW846-6020
Barium		0.289	mg/L		0.005	SW846-6020
Barium, Dissolved		0.289	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6010B
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		32.1	mg/L		1	SW846-6010B
Chromium	U	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Cobalt	U	0.001	mg/L		0.001	SW846-6020
Copper	UX	0.02	mg/L		0.02	SW846-6020
Iron	U	0.1	mg/L		0.1	SW846-6010B
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		12.7	mg/L		0.02	SW846-6010B
Manganese	UX	0.005	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	U	0.005	mg/L		0.005	SW846-6020
Potassium	B	1.53	mg/L		0.2	SW846-6010B
Rhodium	U	0.005	mg/L		0.005	SW846-6020
Selenium		0.00912	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		26.9	mg/L		2	SW846-6010B
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	BU	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		30.06	Inches/Hg			
<b>PHYSC</b>						
Conductivity		415	umho/cm			
Depth to Water		54.17	ft			
Dissolved Oxygen		4.42	mg/L			
Dissolved Solids	U	500	mg/L		500	EPA-160.1
pH		6.1	Std Unit			
Redox		207	mV			
Suspended Solids	U	25	mg/L		25	EPA-160.2
Temperature		62.4	deg F			
Turbidity		3.7	NTU			

**MW394****20789****RADS**

Alpha activity	U	0.0821	pCi/L	0.06	3.32	SW846-9310
Beta activity		7.08	pCi/L	1.33	4.27	SW846-9310
Iodine-131	U	7.48	pCi/L	15	28.3	RL-7124
Radium-226	U	0.104	pCi/L	0.2	0.74	RL-7129
Strontium-90	U	1.08	pCi/L	0.15	2.86	RL-7140
Technetium-99	U	3.77	pCi/L	13.9	20.6	RL-7100
Thorium-230	U	0.0468	pCi/L	0.07	0.31	RL-7128
Tritium	U	17.2	pCi/L	160	265	704R7

**SVOA**

1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260

**VOA**

1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JUY	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	U	0.01	mg/L		0.01	SW846-8260
Acrolein	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260

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## MW394

### 20789

Trichloroethene		0.0096 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Cyanide	JU	0.05 mg/L	0.05	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.01 mg/L	0.01	SW846-9020B

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# Paducah-OREIS Data Report

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**MW395**  
**20789**  
**MW395SG3-06**

Collected: 4/11/2006

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	2	mg/L		2	SW846-9056
Chloride		60	mg/L		10	SW846-9056
Fluoride		0.14	mg/L		0.1	9214
Nitrate as Nitrogen		1.7	mg/L		1	SW846-9056
Sulfate		9.1	mg/L		2	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010B
Antimony	U	0.005	mg/L		0.005	SW846-6020
Arsenic		0.00174	mg/L		0.001	SW846-6020
Barium		0.282	mg/L		0.005	SW846-6020
Barium, Dissolved		0.275	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6010B
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		32	mg/L		1	SW846-6010B
Chromium	U	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Cobalt	U	0.001	mg/L		0.001	SW846-6020
Copper	UX	0.02	mg/L		0.02	SW846-6020
Iron	U	0.1	mg/L		0.1	SW846-6010B
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		12.6	mg/L		0.02	SW846-6010B
Manganese	UX	0.005	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	U	0.005	mg/L		0.005	SW846-6020
Potassium	B	1.76	mg/L		0.2	SW846-6010B
Rhodium	U	0.005	mg/L		0.005	SW846-6020
Selenium		0.00872	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		26.9	mg/L		2	SW846-6010B
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	BU	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		30.06	Inches/Hg			
<b>PHYSC</b>						
Conductivity		409	umho/cm			
Depth to Water		54.82	ft			
Dissolved Oxygen		3.4	mg/L			
Dissolved Solids	U	500	mg/L		500	EPA-160.1
pH		6.1	Std Unit			
Redox		196	mV			
Suspended Solids	U	25	mg/L		25	EPA-160.2
Temperature		59.6	deg F			
Turbidity		4.5	NTU			

# Paducah-OREIS Data Report

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## MW395

### 20789

#### RADS

Alpha activity	U	2.17	pCi/L	1.21	3.38	SW846-9310
Beta activity		9.3	pCi/L	1.64	4.29	SW846-9310
Iodine-131	U	-0.807	pCi/L	1.61	25.4	RL-7124
Radium-226	U	-0.0651	pCi/L	0.07	0.77	RL-7129
Strontium-90	U	0.0525	pCi/L	0.0082	1.99	RL-7140
Technetium-99	U	-0.928	pCi/L	13	20.6	RL-7100
Thorium-230	U	0.0401	pCi/L	0.09	0.25	RL-7128
Tritium	U	5.16	pCi/L	158	262	704R7

#### SVOA

1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260

#### VOA

1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	UY	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	U	0.01	mg/L		0.01	SW846-8260
Acrolein	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260

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## MW395

### 20789

Trichloroethene		0.0087 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Cyanide	JU	0.05 mg/L	0.05	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.0119 mg/L	0.01	SW846-9020B

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# Paducah-OREIS Data Report

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**MW396**

**20789**

**MW396SG3-06**

Collected: 4/10/2006

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>WETCHEM</b>						
Total Organic Halides (TOX)		0.142	mg/L		0.01	SW846-9020B

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# Paducah-OREIS Data Report

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**MW396**  
**20789**  
**MW396SG3-06**

Collected: 4/11/2006

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide		2.1	mg/L		2	SW846-9056
Chloride		100	mg/L		10	SW846-9056
Fluoride		0.51	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		18	mg/L		2	SW846-9056
<b>METAL</b>						
Aluminum		0.4	mg/L		0.2	SW846-6010B
Antimony	U	0.005	mg/L		0.005	SW846-6020
Arsenic		0.00249	mg/L		0.001	SW846-6020
Barium		0.357	mg/L		0.005	SW846-6020
Barium, Dissolved		0.345	mg/L		0.005	SW846-6020
Beryllium	BU	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6010B
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		40.4	mg/L		1	SW846-6010B
Chromium	U	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Cobalt		0.00118	mg/L		0.001	SW846-6020
Copper	U	0.02	mg/L		0.02	SW846-6020
Iron	N	0.717	mg/L		0.1	SW846-6010B
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		17.3	mg/L		0.02	SW846-6010B
Manganese		0.476	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	U	0.005	mg/L		0.005	SW846-6020
Potassium		1.15	mg/L		0.2	SW846-6010B
Rhodium	BU	0.005	mg/L		0.005	SW846-6020
Selenium		0.0115	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		137	mg/L		2	SW846-6010B
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	BU	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	BU	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		30.06	Inches/Hg			
<b>PHYSC</b>						
Conductivity		923	umho/cm			
Depth to Water		7.08	ft			
Dissolved Oxygen		1.34	mg/L			
Dissolved Solids		535	mg/L		500	EPA-160.1
pH		6.6	Std Unit			
Redox		208	mV			
Suspended Solids	U	25	mg/L		25	EPA-160.2
Temperature		60.2	deg F			
Turbidity		10.5	NTU			

## MW396

## 20789

## RADS

Alpha activity	U	0.059	pCi/L	0.05	7.92	SW846-9310
Beta activity	U	6.68	pCi/L	1.46	9.01	SW846-9310
Iodine-131	U	2.39	pCi/L	4.77	19.1	RL-7124
Radium-226	U	-0.0609	pCi/L	0.07	0.75	RL-7129
Strontium-90	U	0.0847	pCi/L	0.01	1.93	RL-7140
Technetium-99	U	6	pCi/L	13.4	20.6	RL-7100
Thorium-230	U	-0.049	pCi/L	0.03	0.24	RL-7128
Tritium	U	28.8	pCi/L	157	261	704R7

## SVOA

1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260

## VOA

1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	UY	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	U	0.01	mg/L		0.01	SW846-8260
Acrolein	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260

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## MW396

### 20789

Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)		28 mg/L	25	EPA-410.4 1978
Cyanide	JU	0.05 mg/L	0.05	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		6 mg/L	1	SW846-9060

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# Paducah-OREIS Data Report

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**MW397**  
**20789**  
**MW397SG3-06**

Collected: 4/10/2006

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	2	mg/L		2	SW846-9056
Chloride		47	mg/L		2	SW846-9056
Fluoride		0.15	mg/L		0.1	9214
Nitrate as Nitrogen		1.4	mg/L		1	SW846-9056
Sulfate		12	mg/L		2	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010B
Antimony	U	0.005	mg/L		0.005	SW846-6020
Arsenic		0.00123	mg/L		0.001	SW846-6020
Barium		0.167	mg/L		0.005	SW846-6020
Barium, Dissolved		0.167	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	JU	0.2	mg/L		0.2	SW846-6010B
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		20.8	mg/L		1	SW846-6010B
Chromium	U	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Cobalt	U	0.001	mg/L		0.001	SW846-6020
Copper	UX	0.02	mg/L		0.02	SW846-6020
Iron		0.12	mg/L		0.1	SW846-6010B
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		8.35	mg/L		0.02	SW846-6010B
Manganese	UX	0.005	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	U	0.005	mg/L		0.005	SW846-6020
Potassium	B	1.93	mg/L		0.2	SW846-6010B
Rhodium	U	0.005	mg/L		0.005	SW846-6020
Selenium		0.00664	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		34.5	mg/L		2	SW846-6010B
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	BU	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		30.12	Inches/Hg			
<b>PHYSC</b>						
Conductivity		382	umho/cm			
Depth to Water		62.82	ft			
Dissolved Oxygen		6.23	mg/L			
Dissolved Solids	U	500	mg/L		500	EPA-160.1
pH		6.32	Std Unit			
Redox		188	mV			
Suspended Solids	U	25	mg/L		25	EPA-160.2
Temperature		61.7	deg F			
Turbidity		3.9	NTU			



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### 20789

#### RADS

Alpha activity	U	0.146	pCi/L	0.11	3.28	SW846-9310
Beta activity		10.8	pCi/L	1.82	4.25	SW846-9310
Iodine-131	U	5.06	pCi/L	10.1	25.1	RL-7124
Radium-226	U	0.212	pCi/L	0.29	0.77	RL-7129
Strontium-90	U	-0.0666	pCi/L	0.01	1.93	RL-7140
Technetium-99	U	19.6	pCi/L	13.7	20.6	RL-7100
Thorium-230	U	-0.0295	pCi/L	0.0038	0.25	RL-7128
Tritium	U	-139	pCi/L	157	265	704R7

#### SVOA

1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260

#### VOA

1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	UY	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	U	0.01	mg/L		0.01	SW846-8260
Acrolein	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260

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Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Cyanide	JU	0.05 mg/L	0.05	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.01 mg/L	0.01	SW846-9020B

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# Paducah-OREIS Data Report

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**MW369**  
**20795**  
**MW369UG3-06**

Collected: 4/4/2006

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	2	mg/L		2	SW846-9056
Chloride		49	mg/L		2	SW846-9056
Fluoride		0.22	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		14	mg/L		2	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010B
Antimony	U	0.005	mg/L		0.005	SW846-6020
Arsenic		0.00541	mg/L		0.001	SW846-6020
Barium	B	0.486	mg/L		0.005	SW846-6020
Barium, Dissolved	B	0.462	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6010B
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		22.7	mg/L		1	SW846-6010B
Chromium	BUX	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Cobalt	X	0.0554	mg/L		0.001	SW846-6020
Copper	UX	0.02	mg/L		0.02	SW846-6020
Iron		5.03	mg/L		0.1	SW846-6010B
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		9.67	mg/L		0.02	SW846-6010B
Manganese	X	0.497	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	X	0.00882	mg/L		0.005	SW846-6020
Potassium		0.748	mg/L		0.2	SW846-6010B
Rhodium	BU	0.005	mg/L		0.005	SW846-6020
Selenium		0.00565	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		46.5	mg/L		2	SW846-6010B
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	BU	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	BU	0.001	mg/L		0.001	SW846-6020
Vanadium	UX	0.02	mg/L		0.02	SW846-6020
Zinc	NU	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		30.15	Inches/Hg			
<b>PHYSC</b>						
Conductivity		437	umho/cm			
Depth to Water		40.43	ft			
Dissolved Oxygen		1.6	mg/L			
Dissolved Solids	U	500	mg/L		500	EPA-160.1
pH		6.19	Std Unit			
Redox		69	mV			
Suspended Solids	U	25	mg/L		25	EPA-160.2
Temperature		58.7	deg F			
Turbidity		4.5	NTU			

**MW369**

**20795**

**PPCB**

PCB, Total	X	0.00023	mg/L	0.0002	SW846-8082
PCB-1016	X	0.00023	mg/L	0.0002	SW846-8082
PCB-1221	UX	0.00017	mg/L	0.0002	SW846-8082
PCB-1232	UX	0.00013	mg/L	0.0001	SW846-8082
PCB-1242	UX	0.0001	mg/L	0.0001	SW846-8082
PCB-1248	UX	0.00011	mg/L	0.0001	SW846-8082
PCB-1254	UX	0.00007	mg/L	7E-05	SW846-8082
PCB-1260	UX	0.00005	mg/L	5E-05	SW846-8082
PCB-1268	UX	0.00009	mg/L	9E-05	SW846-8082

**RADS**

Alpha activity	U	0.119	pCi/L	0.08	3.79	SW846-9310
Beta activity		5.95	pCi/L	1.19	3.86	SW846-9310
Iodine-131	U	1.84	pCi/L	3.68	13.6	RL-7124
Radium-226	U	0.508	pCi/L	0.47	0.79	RL-7129
Strontium-90	U	-0.132	pCi/L	0.02	1.72	RL-7140
Technetium-99		28.1	pCi/L	14	20.7	RL-7100
Thorium-230	UT	0.0972	pCi/L	0.22	0.37	RL-7128
Tritium	U	-93.3	pCi/L	158	265	704R7

**SVOA**

1,2-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260

**VOA**

1,1,1,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dibromo-3-chloropropane	UY	0.0002	mg/L	0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	0.005	SW846-8260
2-Butanone	U	0.01	mg/L	0.01	SW846-8260
2-Hexanone	U	0.01	mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L	0.01	SW846-8260
Acetone	JU	0.01	mg/L	0.01	SW846-8260
Acrolein	JU	0.01	mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L	0.01	SW846-8260
Benzene	U	0.005	mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromoform	U	0.005	mg/L	0.005	SW846-8260
Bromomethane	U	0.005	mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L	0.005	SW846-8260
Chloroethane	U	0.005	mg/L	0.005	SW846-8260
Chloroform	U	0.005	mg/L	0.005	SW846-8260
Chloromethane	U	0.005	mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Dibromomethane	U	0.005	mg/L	0.005	SW846-8260

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Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	JU	0.005 mg/L	0.005	SW846-8260
Methylene chloride	U	0.005 mg/L	0.005	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene		0.0022 mg/L	0.001	SW846-8260
Trichlorofluoromethane	JU	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Cyanide	U	0.05 mg/L	0.05	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		1.7 mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.0252 mg/L	0.01	SW846-9020B

# Paducah-OREIS Data Report

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**MW370**  
**20795**  
**MW370UG3-06**

Collected: 4/5/2006

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	2	mg/L		2	SW846-9056
Chloride		49	mg/L		20	SW846-9056
Fluoride		0.18	mg/L		0.1	9214
Nitrate as Nitrogen		1.2	mg/L		1	SW846-9056
Sulfate		17	mg/L		2	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010B
Antimony	U	0.005	mg/L		0.005	SW846-6020
Arsenic		0.00209	mg/L		0.001	SW846-6020
Barium	B	0.202	mg/L		0.005	SW846-6020
Barium, Dissolved	B	0.195	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	JU	0.2	mg/L		0.2	SW846-6010B
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		29.4	mg/L		1	SW846-6010B
Chromium	BUX	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Cobalt	X	0.00207	mg/L		0.001	SW846-6020
Copper	UX	0.02	mg/L		0.02	SW846-6020
Iron	U	0.1	mg/L		0.1	SW846-6010B
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		12.1	mg/L		0.02	SW846-6010B
Manganese	X	0.009	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	UX	0.005	mg/L		0.005	SW846-6020
Potassium	B	2.43	mg/L		0.2	SW846-6010B
Rhodium	BU	0.005	mg/L		0.005	SW846-6020
Selenium		0.00653	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		33.7	mg/L		2	SW846-6010B
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	BU	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	BU	0.001	mg/L		0.001	SW846-6020
Vanadium	UX	0.02	mg/L		0.02	SW846-6020
Zinc	NU	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		30	Inches/Hg			
<b>PHYSC</b>						
Conductivity		433	umho/cm			
Depth to Water		41.1	ft			
Dissolved Oxygen		3.46	mg/L			
Dissolved Solids	U	500	mg/L		500	EPA-160.1
pH		6.61	Std Unit			
Redox		156	mV			
Suspended Solids	U	25	mg/L		25	EPA-160.2
Temperature		59.9	deg F			
Turbidity		3.2	NTU			

## MW370

## 20795

## PPCB

PCB, Total	UX	0.00018	mg/L		0.0002	SW846-8082
PCB-1016	UX	0.00017	mg/L		0.0002	SW846-8082
PCB-1221	UX	0.00018	mg/L		0.0002	SW846-8082
PCB-1232	UX	0.00014	mg/L		0.0001	SW846-8082
PCB-1242	UX	0.0001	mg/L		0.0001	SW846-8082
PCB-1248	UX	0.00012	mg/L		0.0001	SW846-8082
PCB-1254	UX	0.00007	mg/L		7E-05	SW846-8082
PCB-1260	X	0.00017	mg/L		5E-05	SW846-8082
PCB-1268	UX	0.00009	mg/L		9E-05	SW846-8082

## RADS

Alpha activity	U	-0.304	pCi/L	0.19	3.33	SW846-9310
Beta activity		20.4	pCi/L	2.74	3.65	SW846-9310
Iodine-131	U	-7.15	pCi/L	14.3	13.9	RL-7124
Radium-226	U	0.177	pCi/L	0.28	0.8	RL-7129
Strontium-90	U	-0.402	pCi/L	0.06	1.73	RL-7140
Technetium-99		35.1	pCi/L	13.6	19.6	RL-7100
Thorium-230	U	-0.0055	pCi/L	0.03	0.4	RL-7128
Tritium	U	8.38	pCi/L	159	264	704R7

## SVOA

1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260

## VOA

1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	UY	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	U	0.01	mg/L		0.01	SW846-8260
Acrolein	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260

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## MW370

### 20795

Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	U	0.005 mg/L	0.005	SW846-8260
Methylene chloride	U	0.005 mg/L	0.005	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene		0.0065 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Cyanide	JU	0.05 mg/L	0.05	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.01 mg/L	0.01	SW846-9020B



# Paducah-OREIS Data Report

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**MW371**  
**20795**  
**MW371UG3-06**

Collected: 4/5/2006

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	2	mg/L		2	SW846-9056
Chloride		7.8	mg/L		2	SW846-9056
Fluoride		0.31	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		5.4	mg/L		2	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010B
Antimony	U	0.005	mg/L		0.005	SW846-6020
Arsenic		0.00112	mg/L		0.001	SW846-6020
Barium	B	0.0995	mg/L		0.005	SW846-6020
Barium, Dissolved	B	0.0932	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	JU	0.2	mg/L		0.2	SW846-6010B
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		25	mg/L		1	SW846-6010B
Chromium	BUX	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Cobalt	UX	0.001	mg/L		0.001	SW846-6020
Copper	UX	0.02	mg/L		0.02	SW846-6020
Iron		0.25	mg/L		0.1	SW846-6010B
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		10.1	mg/L		0.02	SW846-6010B
Manganese	UX	0.005	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	UX	0.005	mg/L		0.005	SW846-6020
Potassium	B	0.433	mg/L		0.2	SW846-6010B
Rhodium	BU	0.005	mg/L		0.005	SW846-6020
Selenium	U	0.005	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		119	mg/L		2	SW846-6010B
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	BU	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	BU	0.001	mg/L		0.001	SW846-6020
Vanadium	UX	0.02	mg/L		0.02	SW846-6020
Zinc	NU	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		30	Inches/Hg			
<b>PHYSC</b>						
Conductivity		653	umho/cm			
Depth to Water		23.5	ft			
Dissolved Oxygen		4.21	mg/L			
Dissolved Solids	U	500	mg/L		500	EPA-160.1
pH		7.08	Std Unit			
Redox		172	mV			
Suspended Solids	U	25	mg/L		25	EPA-160.2
Temperature		61.2	deg F			
Turbidity		8.5	NTU			

**MW371****20795****PPCB**

PCB, Total	UX	0.00018	mg/L		0.0002	SW846-8082
PCB-1016	UX	0.00017	mg/L		0.0002	SW846-8082
PCB-1221	UX	0.00018	mg/L		0.0002	SW846-8082
PCB-1232	UX	0.00014	mg/L		0.0001	SW846-8082
PCB-1242	UX	0.0001	mg/L		0.0001	SW846-8082
PCB-1248	UX	0.00012	mg/L		0.0001	SW846-8082
PCB-1254	UX	0.00007	mg/L		7E-05	SW846-8082
PCB-1260	X	0.00007	mg/L		5E-05	SW846-8082
PCB-1268	UX	0.00009	mg/L		9E-05	SW846-8082

**RADS**

Alpha activity	U	2.06	pCi/L	1.37	5.76	SW846-9310
Beta activity	U	0.0292	pCi/L	0.0079	4.86	SW846-9310
Iodine-131	U	2.39	pCi/L	4.78	12.2	RL-7124
Radium-226	U	0.283	pCi/L	0.41	0.81	RL-7129
Strontium-90	U	-0.585	pCi/L	0.09	1.62	RL-7140
Technetium-99	U	12.8	pCi/L	12.9	19.6	RL-7100
Thorium-230	U	0.0411	pCi/L	0.09	0.22	RL-7128
Tritium	U	-47.3	pCi/L	159	265	704R7

**SVOA**

1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260

**VOA**

1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	UY	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	U	0.01	mg/L		0.01	SW846-8260
Acrolein	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260

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## MW371

### 20795

Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	U	0.005 mg/L	0.005	SW846-8260
Methylene chloride	U	0.005 mg/L	0.005	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Cyanide	JU	0.05 mg/L	0.05	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		1.9 mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.0217 mg/L	0.01	SW846-9020B

# Paducah-OREIS Data Report

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**MW180**

**20835**

**MW180SA3-06**

Collected: 5/23/2006

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Uranium	U	0.005	mg/L		0.005	ST7106
Uranium		0.00329	mg/L		0.001	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		30.09	Inches/Hg			
<b>PHYSC</b>						
Conductivity		713	umho/cm			
Depth to Water		14.53	ft			
Dissolved Oxygen		2.24	mg/L			
pH		7	Std Unit			
Redox		101	mV			
Temperature		61.4	deg F			
Turbidity		11.7	NTU			
<b>RADS</b>						
Alpha activity		7.01	pCi/L	1.22	3.91	SW846-9310
Beta activity		215	pCi/L	7.46	5.28	SW846-9310
Technetium-99		269	pCi/L	19.6	18.2	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	JU	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene	U	0.001	mg/L		0.001	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260

# Paducah-OREIS Data Report

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**MW182**

**20835**

**MW182SA3-06**

Collected: 5/23/2006

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Uranium		0.1	mg/L		0.005	ST7106
Uranium		0.102	mg/L		0.01	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		30.09	Inches/Hg			
<b>PHYSC</b>						
Conductivity		899	umho/cm			
Depth to Water		12.12	ft			
Dissolved Oxygen		1.68	mg/L			
pH		6.8	Std Unit			
Redox		-36	mV			
Temperature		63.2	deg F			
Turbidity		2000	NTU			
<b>RADS</b>						
Alpha activity		60.4	pCi/L	6.28	4.37	SW846-9310
Beta activity		137	pCi/L	5.92	5.44	SW846-9310
Technetium-99		18.6	pCi/L	12.9	18.2	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	JU	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene	U	0.001	mg/L		0.001	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260

# Paducah-OREIS Data Report

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**MW185**

**20896**

**MW185SA2-06**

Collected: 2/13/2006

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium	U	0.005	mg/L		0.005	ST7106
<b>METEO</b>						
Barometric Pressure Reading		30.18	Inches/Hg			
<b>PHYSC</b>						
Conductivity		438	umho/cm			
Depth to Water		50.89	ft			
Dissolved Oxygen		2.1	mg/L			
pH		6.12	Std Unit			
Redox		149	mV			
Temperature		52.9	deg F			
Turbidity		17.1	NTU			
<b>RADS</b>						
Alpha activity	U	-4.88	pCi/L	1.11	3.32	SW846-9310
Beta activity		403	pCi/L	14.5	4.07	SW846-9310
Technetium-99		713	pCi/L	27.8	18.7	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	UX	0.2	mg/L		0.2	SW846-8260
1,1,2-Trichloroethane	UX	0.2	mg/L		0.2	SW846-8260
1,1-Dichloroethane	UX	0.2	mg/L		0.2	SW846-8260
1,1-Dichloroethene	UX	0.2	mg/L		0.2	SW846-8260
1,2-Dichloroethane	UX	0.2	mg/L		0.2	SW846-8260
Benzene	UX	0.2	mg/L		0.2	SW846-8260
Bromodichloromethane	UX	0.2	mg/L		0.2	SW846-8260
Carbon tetrachloride	UX	0.2	mg/L		0.2	SW846-8260
Chloroform	UX	0.2	mg/L		0.2	SW846-8260
cis-1,2-Dichloroethene	UX	0.2	mg/L		0.2	SW846-8260
Ethylbenzene	UX	0.2	mg/L		0.2	SW846-8260
Tetrachloroethene	UX	0.2	mg/L		0.2	SW846-8260
Toluene	UX	0.2	mg/L		0.2	SW846-8260
Total Xylene	UX	0.6	mg/L		0.6	SW846-8260
trans-1,2-Dichloroethene	UX	0.2	mg/L		0.2	SW846-8260
Trichloroethene	DX	3.4	mg/L		0.04	SW846-8260
Vinyl chloride	UX	0.08	mg/L		0.08	SW846-8260

# Paducah-OREIS Data Report

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12/18/2007

**MW186**

**20896**

**MW186SA2-06**

Collected: 2/13/2006

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Uranium	U	0.005	mg/L		0.005	ST7106
Uranium	U	0.001	mg/L		0.001	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		30.18	Inches/Hg			
<b>PHYSC</b>						
Conductivity		1458	umho/cm			
Depth to Water		8.37	ft			
Dissolved Oxygen		0.89	mg/L			
pH		6.2	Std Unit			
Redox		142	mV			
Temperature		51.4	deg F			
Turbidity		22	NTU			
<b>RADS</b>						
Alpha activity		15.3	pCi/L	6.84	11.8	SW846-9310
Beta activity		43.8	pCi/L	6.57	11.1	SW846-9310
Technetium-99	U	13.9	pCi/L	13.1	18.7	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	UX	0.05	mg/L		0.05	SW846-8260
1,1,2-Trichloroethane	UX	0.05	mg/L		0.05	SW846-8260
1,1-Dichloroethane	UX	0.05	mg/L		0.05	SW846-8260
1,1-Dichloroethene	UX	0.05	mg/L		0.05	SW846-8260
1,2-Dichloroethane	UX	0.05	mg/L		0.05	SW846-8260
Benzene	UX	0.05	mg/L		0.05	SW846-8260
Bromodichloromethane	UX	0.05	mg/L		0.05	SW846-8260
Carbon tetrachloride	UX	0.05	mg/L		0.05	SW846-8260
Chloroform	UX	0.05	mg/L		0.05	SW846-8260
cis-1,2-Dichloroethene	DX	0.22	mg/L		0.05	SW846-8260
Ethylbenzene	UX	0.05	mg/L		0.05	SW846-8260
Tetrachloroethene	UX	0.05	mg/L		0.05	SW846-8260
Toluene	UX	0.05	mg/L		0.05	SW846-8260
Total Xylene	UX	0.15	mg/L		0.15	SW846-8260
trans-1,2-Dichloroethene	UX	0.05	mg/L		0.05	SW846-8260
Trichloroethene	DX	0.054	mg/L		0.01	SW846-8260
Vinyl chloride	DX	0.32	mg/L		0.02	SW846-8260

# Paducah-OREIS Data Report

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**MW187**

**20896**

**MW187SA2-06**

Collected: 2/13/2006

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Uranium	U	0.005	mg/L		0.005	ST7106
Uranium	U	0.001	mg/L		0.001	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		30.18	Inches/Hg			
<b>PHYSC</b>						
Conductivity		911	umho/cm			
Depth to Water		6.54	ft			
Dissolved Oxygen		3	mg/L			
pH		6.37	Std Unit			
Redox		123	mV			
Temperature		56.2	deg F			
Turbidity		165	NTU			
<b>RADS</b>						
Alpha activity	U	4.68	pCi/L	2.6	6	SW846-9310
Beta activity	U	4.92	pCi/L	1.07	5.61	SW846-9310
Technetium-99	U	-5.75	pCi/L	12.4	18.7	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	UX	0.1	mg/L		0.1	SW846-8260
1,1,2-Trichloroethane	UX	0.1	mg/L		0.1	SW846-8260
1,1-Dichloroethane	UX	0.1	mg/L		0.1	SW846-8260
1,1-Dichloroethene	UX	0.1	mg/L		0.1	SW846-8260
1,2-Dichloroethane	UX	0.1	mg/L		0.1	SW846-8260
Benzene	UX	0.1	mg/L		0.1	SW846-8260
Bromodichloromethane	UX	0.1	mg/L		0.1	SW846-8260
Carbon tetrachloride	UX	0.1	mg/L		0.1	SW846-8260
Chloroform	UX	0.1	mg/L		0.1	SW846-8260
cis-1,2-Dichloroethene	UX	0.1	mg/L		0.1	SW846-8260
Ethylbenzene	UX	0.1	mg/L		0.1	SW846-8260
Tetrachloroethene	UX	0.1	mg/L		0.1	SW846-8260
Toluene	UX	0.1	mg/L		0.1	SW846-8260
Total Xylene	UX	0.3	mg/L		0.3	SW846-8260
trans-1,2-Dichloroethene	UX	0.1	mg/L		0.1	SW846-8260
Trichloroethene	DX	1.3	mg/L		0.02	SW846-8260
Vinyl chloride	UX	0.04	mg/L		0.04	SW846-8260



# Paducah-OREIS Data Report

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**MW333**

**20896**

**MW333SA2-06**

Collected: 2/14/2006

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Uranium	U	0.005	mg/L		0.005	ST7106
Uranium	U	0.001	mg/L		0.001	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		30	Inches/Hg			
<b>PHYSC</b>						
Conductivity		283	umho/cm			
Depth to Water		53.6	ft			
Dissolved Oxygen		2.84	mg/L			
pH		6.04	Std Unit			
Redox		186	mV			
Temperature		58.9	deg F			
Turbidity		57.9	NTU			
<b>RADS</b>						
Alpha activity	U	2.43	pCi/L	1.3	2.77	SW846-9310
Beta activity	U	3.19	pCi/L	0.7	3.78	SW846-9310
Technetium-99	U	5.18	pCi/L	12.3	18	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	UX	0.05	mg/L		0.05	SW846-8260
1,1,2-Trichloroethane	UX	0.05	mg/L		0.05	SW846-8260
1,1-Dichloroethane	UX	0.05	mg/L		0.05	SW846-8260
1,1-Dichloroethene	UX	0.05	mg/L		0.05	SW846-8260
1,2-Dichloroethane	UX	0.05	mg/L		0.05	SW846-8260
Benzene	UX	0.05	mg/L		0.05	SW846-8260
Bromodichloromethane	UX	0.05	mg/L		0.05	SW846-8260
Carbon tetrachloride	UX	0.05	mg/L		0.05	SW846-8260
Chloroform	UX	0.05	mg/L		0.05	SW846-8260
cis-1,2-Dichloroethene	DX	0.19	mg/L		0.05	SW846-8260
Ethylbenzene	UX	0.05	mg/L		0.05	SW846-8260
Tetrachloroethene	UX	0.05	mg/L		0.05	SW846-8260
Toluene	UX	0.05	mg/L		0.05	SW846-8260
Total Xylene	UX	0.15	mg/L		0.15	SW846-8260
trans-1,2-Dichloroethene	UX	0.05	mg/L		0.05	SW846-8260
Trichloroethene	DX	1.3	mg/L		0.025	SW846-8260
Vinyl chloride	UX	0.02	mg/L		0.02	SW846-8260

# Paducah-OREIS Data Report

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**MW333**

**20896**

**MW333DSA2-06**

Collected: 2/14/2006

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium	U	0.005	mg/L		0.005	ST7106
<b>METEO</b>						
Barometric Pressure Reading		30	Inches/Hg			
<b>PHYSC</b>						
Conductivity		283	umho/cm			
Depth to Water		53.6	ft			
Dissolved Oxygen		2.84	mg/L			
pH		6.04	Std Unit			
Redox		186	mV			
Temperature		58.9	deg F			
Turbidity		57.9	NTU			
<b>RADS</b>						
Alpha activity	U	-0.267	pCi/L	0.26	2.99	SW846-9310
Beta activity	U	3.66	pCi/L	0.79	3.89	SW846-9310
Technetium-99	U	6.25	pCi/L	12.3	18	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	UX	0.05	mg/L		0.05	SW846-8260
1,1,2-Trichloroethane	UX	0.05	mg/L		0.05	SW846-8260
1,1-Dichloroethane	UX	0.05	mg/L		0.05	SW846-8260
1,1-Dichloroethene	UX	0.05	mg/L		0.05	SW846-8260
1,2-Dichloroethane	UX	0.05	mg/L		0.05	SW846-8260
Benzene	UX	0.05	mg/L		0.05	SW846-8260
Bromodichloromethane	UX	0.05	mg/L		0.05	SW846-8260
Carbon tetrachloride	UX	0.05	mg/L		0.05	SW846-8260
Chloroform	UX	0.05	mg/L		0.05	SW846-8260
cis-1,2-Dichloroethene	DX	0.2	mg/L		0.05	SW846-8260
Ethylbenzene	UX	0.05	mg/L		0.05	SW846-8260
Tetrachloroethene	UX	0.05	mg/L		0.05	SW846-8260
Toluene	UX	0.05	mg/L		0.05	SW846-8260
Total Xylene	UX	0.15	mg/L		0.15	SW846-8260
trans-1,2-Dichloroethene	UX	0.05	mg/L		0.05	SW846-8260
Trichloroethene	DX	1.5	mg/L		0.025	SW846-8260
Vinyl chloride	UX	0.02	mg/L		0.02	SW846-8260

# Paducah-OREIS Data Report

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**MW337**

**20896**

**MW337SA2-06**

Collected: 2/14/2006

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Uranium	U	0.005	mg/L		0.005	ST7106
Uranium	U	0.001	mg/L		0.001	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		30	Inches/Hg			
<b>PHYSC</b>						
Conductivity		239	umho/cm			
Depth to Water		51.05	ft			
Dissolved Oxygen		4.39	mg/L			
pH		5.89	Std Unit			
Redox		207	mV			
Temperature		60.5	deg F			
Turbidity		13.9	NTU			
<b>RADS</b>						
Alpha activity	U	0.0576	pCi/L	0.03	3.34	SW846-9310
Beta activity		21.5	pCi/L	2.9	4.08	SW846-9310
Technetium-99		216	pCi/L	18.3	18	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	UX	0.025	mg/L		0.025	SW846-8260
1,1,2-Trichloroethane	UX	0.025	mg/L		0.025	SW846-8260
1,1-Dichloroethane	UX	0.025	mg/L		0.025	SW846-8260
1,1-Dichloroethene	UX	0.025	mg/L		0.025	SW846-8260
1,2-Dichloroethane	UX	0.025	mg/L		0.025	SW846-8260
Benzene	UX	0.025	mg/L		0.025	SW846-8260
Bromodichloromethane	UX	0.025	mg/L		0.025	SW846-8260
Carbon tetrachloride	UX	0.025	mg/L		0.025	SW846-8260
Chloroform	UX	0.025	mg/L		0.025	SW846-8260
cis-1,2-Dichloroethene	DX	0.062	mg/L		0.025	SW846-8260
Ethylbenzene	UX	0.025	mg/L		0.025	SW846-8260
Tetrachloroethene	UX	0.025	mg/L		0.025	SW846-8260
Toluene	UX	0.025	mg/L		0.025	SW846-8260
Total Xylene	UX	0.075	mg/L		0.075	SW846-8260
trans-1,2-Dichloroethene	UX	0.025	mg/L		0.025	SW846-8260
Trichloroethene	DX	0.78	mg/L		0.01	SW846-8260
Vinyl chloride	UX	0.01	mg/L		0.01	SW846-8260

# Paducah-OREIS Data Report

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12/18/2007

**MW338**

**20896**

**MW338SA2-06**

Collected: 2/14/2006

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium	U	0.005	mg/L		0.005	ST7106
<b>METEO</b>						
Barometric Pressure Reading		30	Inches/Hg			
<b>PHYSC</b>						
Conductivity		203	umho/cm			
Depth to Water		51.29	ft			
Dissolved Oxygen		5.01	mg/L			
pH		5.8	Std Unit			
Redox		220	mV			
Temperature		61.9	deg F			
Turbidity		18.2	NTU			
<b>RADS</b>						
Alpha activity	U	-0.143	pCi/L	0.12	2.74	SW846-9310
Beta activity		6.12	pCi/L	1.18	3.76	SW846-9310
Technetium-99	U	3.55	pCi/L	12.3	18	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	UX	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	UX	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	UX	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	UX	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	UX	0.005	mg/L		0.005	SW846-8260
Benzene	UX	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	UX	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	UX	0.005	mg/L		0.005	SW846-8260
Chloroform	UX	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	X	0.0073	mg/L		0.005	SW846-8260
Ethylbenzene	UX	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	UX	0.005	mg/L		0.005	SW846-8260
Toluene	UX	0.005	mg/L		0.005	SW846-8260
Total Xylene	UX	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	UX	0.005	mg/L		0.005	SW846-8260
Trichloroethene	X	0.082	mg/L		0.001	SW846-8260
Vinyl chloride	UX	0.002	mg/L		0.002	SW846-8260

# Paducah-OREIS Data Report

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12/18/2007

**MW339**

**20896**

**MW339SA2-06**

Collected: 2/15/2006

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Uranium	U	0.005	mg/L		0.005	ST7106
Uranium	U	0.001	mg/L		0.001	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		30	Inches/Hg			
<b>PHYSC</b>						
Conductivity		534	umho/cm			
Depth to Water		50.84	ft			
Dissolved Oxygen		3.65	mg/L			
pH		6	Std Unit			
Redox		189	mV			
Temperature		58.3	deg F			
Turbidity		21.6	NTU			
<b>RADS</b>						
Alpha activity	U	-1.34	pCi/L	0.17	3.72	SW846-9310
Beta activity		1550	pCi/L	29.3	4.3	SW846-9310
Technetium-99		1840	pCi/L	39.9	16	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	UX	1	mg/L		1	SW846-8260
1,1,2-Trichloroethane	UX	1	mg/L		1	SW846-8260
1,1-Dichloroethane	UX	1	mg/L		1	SW846-8260
1,1-Dichloroethene	UX	1	mg/L		1	SW846-8260
1,2-Dichloroethane	UX	1	mg/L		1	SW846-8260
Benzene	UX	1	mg/L		1	SW846-8260
Bromodichloromethane	UX	1	mg/L		1	SW846-8260
Carbon tetrachloride	UX	1	mg/L		1	SW846-8260
Chloroform	UX	1	mg/L		1	SW846-8260
cis-1,2-Dichloroethene	UX	1	mg/L		1	SW846-8260
Ethylbenzene	UX	1	mg/L		1	SW846-8260
Tetrachloroethene	UX	1	mg/L		1	SW846-8260
Toluene	UX	1	mg/L		1	SW846-8260
Total Xylene	UX	3	mg/L		3	SW846-8260
trans-1,2-Dichloroethene	UX	1	mg/L		1	SW846-8260
Trichloroethene	DX	15	mg/L		0.2	SW846-8260
Vinyl chloride	UX	0.4	mg/L		0.4	SW846-8260

# Paducah-OREIS Data Report

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**MW340**  
**20896**  
**MW340SA2-06**

Collected: 2/15/2006

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Uranium	U	0.005	mg/L		0.005	ST7106
Uranium	U	0.001	mg/L		0.001	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		30	Inches/Hg			
<b>PHYSC</b>						
Conductivity		4.91	umho/cm			
Depth to Water		51.34	ft			
Dissolved Oxygen		3.94	mg/L			
pH		6.09	Std Unit			
Redox		191	mV			
Temperature		59.2	deg F			
Turbidity		90.8	NTU			
<b>RADS</b>						
Alpha activity		4.69	pCi/L	0.98	3.71	SW846-9310
Beta activity		507	pCi/L	16.7	4.3	SW846-9310
Technetium-99		595	pCi/L	24.3	16	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	UX	0.5	mg/L		0.5	SW846-8260
1,1,2-Trichloroethane	UX	0.5	mg/L		0.5	SW846-8260
1,1-Dichloroethane	UX	0.5	mg/L		0.5	SW846-8260
1,1-Dichloroethene	UX	0.5	mg/L		0.5	SW846-8260
1,2-Dichloroethane	UX	0.5	mg/L		0.5	SW846-8260
Benzene	UX	0.5	mg/L		0.5	SW846-8260
Bromodichloromethane	UX	0.5	mg/L		0.5	SW846-8260
Carbon tetrachloride	UX	0.5	mg/L		0.5	SW846-8260
Chloroform	UX	0.5	mg/L		0.5	SW846-8260
cis-1,2-Dichloroethene	UX	0.5	mg/L		0.5	SW846-8260
Ethylbenzene	UX	0.5	mg/L		0.5	SW846-8260
Tetrachloroethene	UX	0.5	mg/L		0.5	SW846-8260
Toluene	UX	0.5	mg/L		0.5	SW846-8260
Total Xylene	UX	1.5	mg/L		1.5	SW846-8260
trans-1,2-Dichloroethene	UX	0.5	mg/L		0.5	SW846-8260
Trichloroethene	DX	4.7	mg/L		0.1	SW846-8260
Vinyl chloride	UX	0.2	mg/L		0.2	SW846-8260

# Paducah-OREIS Data Report

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12/18/2007

**MW63**

**20896**

**MW63SA2-06**

Collected: 2/7/2006

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium	U	0.005	mg/L		0.005	ST7106
<b>METEO</b>						
Barometric Pressure Reading		30.18	Inches/Hg			
<b>PHYSC</b>						
Conductivity		255	umho/cm			
Depth to Water		50.12	ft			
Dissolved Oxygen		3.97	mg/L			
pH		6.2	Std Unit			
Redox		178	mV			
Temperature		60.1	deg F			
Turbidity		3.4	NTU			
<b>RADS</b>						
Alpha activity	U	0.702	pCi/L	0.44	2.79	SW846-9310
Beta activity		14.4	pCi/L	2.18	3.78	SW846-9310
Technetium-99		22.5	pCi/L	12.1	16.8	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene		0.028	mg/L		0.001	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260

# Paducah-OREIS Data Report

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**MW65**

**20896**

**MW65SA2-06**

Collected: 2/7/2006

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Uranium	U	0.005	mg/L		0.005	ST7106
Uranium	U	0.001	mg/L		0.001	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		30.18	Inches/Hg			
<b>PHYSC</b>						
Conductivity		213	umho/cm			
Depth to Water		50.2	ft			
Dissolved Oxygen		4.18	mg/L			
pH		6.05	Std Unit			
Redox		154	mV			
Temperature		59.8	deg F			
Turbidity		27.7	NTU			
<b>RADS</b>						
Alpha activity	U	0.864	pCi/L	0.49	2.59	SW846-9310
Beta activity		19	pCi/L	2.59	3.7	SW846-9310
Technetium-99		23.6	pCi/L	12.2	16.8	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene		0.0055	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene		0.096	mg/L		0.001	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260



# Paducah-OREIS Data Report

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**MW66**

**20896**

**MW66SA2-06**

Collected: 2/15/2006

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium	U	0.005	mg/L		0.005	ST7106
<b>METEO</b>						
Barometric Pressure Reading		30	Inches/Hg			
<b>PHYSC</b>						
Conductivity		222	umho/cm			
Depth to Water		48.04	ft			
Dissolved Oxygen		6.24	mg/L			
pH		6.13	Std Unit			
Redox		192	mV			
Temperature		60.2	deg F			
Turbidity		6.2	NTU			
<b>RADS</b>						
Alpha activity		3.48	pCi/L	0.78	2.7	SW846-9310
Beta activity		373	pCi/L	13.3	3.74	SW846-9310
Technetium-99		461	pCi/L	22	16	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	UX	0.1	mg/L		0.1	SW846-8260
1,1,2-Trichloroethane	UX	0.1	mg/L		0.1	SW846-8260
1,1-Dichloroethane	UX	0.1	mg/L		0.1	SW846-8260
1,1-Dichloroethene	UX	0.1	mg/L		0.1	SW846-8260
1,2-Dichloroethane	UX	0.1	mg/L		0.1	SW846-8260
Benzene	UX	0.1	mg/L		0.1	SW846-8260
Bromodichloromethane	UX	0.1	mg/L		0.1	SW846-8260
Carbon tetrachloride	UX	0.1	mg/L		0.1	SW846-8260
Chloroform	UX	0.1	mg/L		0.1	SW846-8260
cis-1,2-Dichloroethene	UX	0.1	mg/L		0.1	SW846-8260
Ethylbenzene	UX	0.1	mg/L		0.1	SW846-8260
Tetrachloroethene	UX	0.1	mg/L		0.1	SW846-8260
Toluene	UX	0.1	mg/L		0.1	SW846-8260
Total Xylene	UX	0.3	mg/L		0.3	SW846-8260
trans-1,2-Dichloroethene	UX	0.1	mg/L		0.1	SW846-8260
Trichloroethene	DX	1	mg/L		0.02	SW846-8260
Vinyl chloride	UX	0.04	mg/L		0.04	SW846-8260

# Paducah-OREIS Data Report

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## MW220 20920 MW220SG4-06

Collected: 7/17/2006

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	2	mg/L		2	SW846-9056
Chloride		36	mg/L		2	SW846-9056
Fluoride		0.19	mg/L		0.1	9214
Nitrate as Nitrogen		1.6	mg/L		1	SW846-9056
Sulfate		10	mg/L		2	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010B
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic	U	0.001	mg/L		0.001	SW846-6020
Barium		0.236	mg/L		0.005	SW846-6020
Barium, Dissolved		0.238	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6010B
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		20.8	mg/L		1	SW846-6010B
Chromium	UX	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	UX	0.02	mg/L		0.02	SW846-6020
Cobalt		0.00825	mg/L		0.001	SW846-6020
Copper	U	0.02	mg/L		0.02	SW846-6020
Iron	B	0.179	mg/L		0.1	SW846-6010B
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		8.31	mg/L		0.02	SW846-6010B
Manganese		0.0867	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470A
Molybdenum		0.0028	mg/L		0.001	SW846-6020
Nickel		0.409	mg/L		0.005	SW846-6020
Potassium	X	7.92	mg/L		0.2	SW846-6010B
Rhodium	BU	0.005	mg/L		0.005	SW846-6020
Selenium	U	0.005	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium	B	34.5	mg/L		1	SW846-6010B
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	BU	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	BU	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc		0.0562	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.97	Inches/Hg			
<b>PHYSC</b>						
Conductivity		341	umho/cm			
Depth to Water		55.95	ft			
Dissolved Oxygen		3.51	mg/L			
Dissolved Solids	U	500	mg/L		500	EPA-160.1
pH		6.6	Std Unit			
Redox		229	mV			
Suspended Solids	U	50	mg/L		50	EPA-160.2
Temperature		67.1	deg F			
Turbidity		4.9	NTU			

# Paducah-OREIS Data Report

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## MW220

### 20920

#### PPCB

PCB, Total	U	0.00018	mg/L	0.0002	SW846-8082
PCB-1016	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1221	U	0.00018	mg/L	0.0002	SW846-8082
PCB-1232	U	0.00014	mg/L	0.0001	SW846-8082
PCB-1242	U	0.0001	mg/L	0.0001	SW846-8082
PCB-1248	U	0.00012	mg/L	0.0001	SW846-8082
PCB-1254	U	0.00007	mg/L	7E-05	SW846-8082
PCB-1260	U	0.00005	mg/L	5E-05	SW846-8082
PCB-1268	U	0.00009	mg/L	9E-05	SW846-8082

#### RADS

Alpha activity	U	1.4	pCi/L	0.74	2.64	SW846-9310
Beta activity		15.9	pCi/L	2.46	3.7	SW846-9310
Iodine-131	U	1.32	pCi/L	2.63	9.99	RL-7124
Radium-226	U	0.288	pCi/L	0.25	0.68	RL-7129
Strontium-90	U	0.376	pCi/L	0.05	2.01	RL-7140
Technetium-99	U	13.4	pCi/L	14.1	20	RL-7100
Thorium-230	U	-0.0311	pCi/L	0.002	0.27	RL-7128
Tritium	U	-84.9	pCi/L	157	267	704R7

#### SVOA

1,2-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260

#### VOA

1,1,1,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JUY	0.0002	mg/L	0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	0.005	SW846-8260
2-Butanone	U	0.01	mg/L	0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L	0.01	SW846-8260
Acetone	U	0.01	mg/L	0.01	SW846-8260
Acrolein	JU	0.01	mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L	0.01	SW846-8260
Benzene	U	0.005	mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromoform	U	0.005	mg/L	0.005	SW846-8260
Bromomethane	U	0.005	mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L	0.005	SW846-8260
Chloroethane	U	0.005	mg/L	0.005	SW846-8260
Chloroform	U	0.005	mg/L	0.005	SW846-8260
Chloromethane	U	0.005	mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Dibromomethane	U	0.005	mg/L	0.005	SW846-8260

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## MW220

### 20920

Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	U	0.005 mg/L	0.005	SW846-8260
Methylene chloride	U	0.005 mg/L	0.005	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Cyanide	JU	0.05 mg/L	0.05	SW846-9010-A
Iodide	BU	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	JU	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.01 mg/L	0.01	SW846-9020B

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# Paducah-OREIS Data Report

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**MW221**

**20920**

**MW221SG4-06**

Collected: 7/17/2006

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	2	mg/L		2	SW846-9056
Chloride		40	mg/L		2	SW846-9056
Fluoride		0.19	mg/L		0.1	9214
Nitrate as Nitrogen		1.8	mg/L		1	SW846-9056
Sulfate		12	mg/L		2	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010B
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic	U	0.001	mg/L		0.001	SW846-6020
Barium		0.214	mg/L		0.005	SW846-6020
Barium, Dissolved		0.221	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6010B
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		21.9	mg/L		1	SW846-6010B
Chromium	UX	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	UX	0.02	mg/L		0.02	SW846-6020
Cobalt		0.00105	mg/L		0.001	SW846-6020
Copper	U	0.02	mg/L		0.02	SW846-6020
Iron	BU	0.1	mg/L		0.1	SW846-6010B
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		9.06	mg/L		0.02	SW846-6010B
Manganese		0.00634	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470A
Molybdenum		0.00216	mg/L		0.001	SW846-6020
Nickel		0.0328	mg/L		0.005	SW846-6020
Potassium	X	1.77	mg/L		0.2	SW846-6010B
Rhodium	BU	0.005	mg/L		0.005	SW846-6020
Selenium	U	0.005	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium	B	43.9	mg/L		1	SW846-6010B
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	BU	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	BU	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.97	Inches/Hg			
<b>PHYSC</b>						
Conductivity		377	umho/cm			
Depth to Water		65.6	ft			
Dissolved Oxygen		3.96	mg/L			
Dissolved Solids	U	500	mg/L		500	EPA-160.1
pH		6.23	Std Unit			
Redox		234	mV			
Suspended Solids	U	50	mg/L		50	EPA-160.2
Temperature		69.7	deg F			
Turbidity		5	NTU			

# Paducah-OREIS Data Report

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## MW221

### 20920

#### PPCB

PCB, Total	U	0.00018	mg/L		0.0002	SW846-8082
PCB-1016	U	0.00017	mg/L		0.0002	SW846-8082
PCB-1221	U	0.00018	mg/L		0.0002	SW846-8082
PCB-1232	U	0.00014	mg/L		0.0001	SW846-8082
PCB-1242	U	0.0001	mg/L		0.0001	SW846-8082
PCB-1248	U	0.00012	mg/L		0.0001	SW846-8082
PCB-1254	U	0.00007	mg/L		7E-05	SW846-8082
PCB-1260	U	0.00005	mg/L		5E-05	SW846-8082
PCB-1268	U	0.00009	mg/L		9E-05	SW846-8082

#### RADS

Alpha activity	U	1.09	pCi/L	0.69	2.74	SW846-9310
Beta activity		6.91	pCi/L	1.4	3.75	SW846-9310
Iodine-131	U	2.4	pCi/L	4.8	11.3	RL-7124
Radium-226	U	0.0286	pCi/L	0.05	0.67	RL-7129
Strontium-90	U	0.11	pCi/L	0.01	1.72	RL-7140
Technetium-99	U	-2.77	pCi/L	13.2	20	RL-7100
Thorium-230	U	-0.0075	pCi/L	0.04	0.22	RL-7128
Tritium	U	33.9	pCi/L	163	272	704R7

#### SVOA

1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260

#### VOA

1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JUY	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	U	0.01	mg/L		0.01	SW846-8260
Acrolein	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260

# Paducah-OREIS Data Report

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## MW221

### 20920

Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	U	0.005 mg/L	0.005	SW846-8260
Methylene chloride	U	0.005 mg/L	0.005	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Cyanide	JU	0.05 mg/L	0.05	SW846-9010-A
Iodide	BU	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.01 mg/L	0.01	SW846-9020B

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# Paducah-OREIS Data Report

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## MW222 20920 MW222SG4-06

Collected: 7/17/2006

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	2	mg/L		2	SW846-9056
Chloride		38	mg/L		2	SW846-9056
Fluoride		0.3	mg/L		0.1	9214
Nitrate as Nitrogen		1.3	mg/L		1	SW846-9056
Sulfate		12	mg/L		2	SW846-9056
<b>METAL</b>						
Aluminum		4.11	mg/L		0.2	SW846-6010B
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic		0.0018	mg/L		0.001	SW846-6020
Barium		0.326	mg/L		0.005	SW846-6020
Barium, Dissolved		0.307	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6010B
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		19.6	mg/L		1	SW846-6010B
Chromium	X	0.0296	mg/L		0.02	SW846-6020
Chromium, Dissolved	UX	0.02	mg/L		0.02	SW846-6020
Cobalt		0.00516	mg/L		0.001	SW846-6020
Copper	U	0.02	mg/L		0.02	SW846-6020
Iron	B	3.88	mg/L		0.1	SW846-6010B
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		8.76	mg/L		0.02	SW846-6010B
Manganese		0.152	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470A
Molybdenum	U	0.001	mg/L		0.001	SW846-6020
Nickel		0.0306	mg/L		0.005	SW846-6020
Potassium	X	0.807	mg/L		0.2	SW846-6010B
Rhodium	BU	0.005	mg/L		0.005	SW846-6020
Selenium	U	0.005	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium	B	45.2	mg/L		1	SW846-6010B
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	BU	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	BU	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.97	Inches/Hg			
<b>PHYSC</b>						
Conductivity		358	umho/cm			
Depth to Water		69.65	ft			
Dissolved Oxygen		1.29	mg/L			
Dissolved Solids	U	500	mg/L		500	EPA-160.1
pH		6.85	Std Unit			
Redox		203	mV			
Suspended Solids	U	50	mg/L		50	EPA-160.2
Temperature		65.1	deg F			
Turbidity		49.8	NTU			



## MW222

## 20920

## PPCB

PCB, Total	UX	0.00017	mg/L	0.0002	SW846-8082
PCB-1016	U	0.00016	mg/L	0.0002	SW846-8082
PCB-1221	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1232	U	0.00014	mg/L	0.0001	SW846-8082
PCB-1242	UX	0.0001	mg/L	0.0001	SW846-8082
PCB-1248	U	0.00012	mg/L	0.0001	SW846-8082
PCB-1254	U	0.00007	mg/L	7E-05	SW846-8082
PCB-1260	U	0.00005	mg/L	5E-05	SW846-8082
PCB-1268	U	0.00009	mg/L	9E-05	SW846-8082

## RADS

Alpha activity	U	1.45	pCi/L	0.87	2.74	SW846-9310
Beta activity		5.7	pCi/L	1.21	3.75	SW846-9310
Iodine-131	U	1.33	pCi/L	2.66	10.8	RL-7124
Radium-226	U	0.0963	pCi/L	0.18	0.71	RL-7129
Strontium-90	U	-0.138	pCi/L	0.02	1.89	RL-7140
Technetium-99	U	-1.56	pCi/L	13.4	20	RL-7100
Thorium-230	U	0.0302	pCi/L	0.05	0.41	RL-7128
Tritium	U	-189	pCi/L	153	265	704R7

## SVOA

1,2-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260

## VOA

1,1,1,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JUY	0.0002	mg/L	0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	0.005	SW846-8260
2-Butanone	U	0.01	mg/L	0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L	0.01	SW846-8260
Acetone	U	0.01	mg/L	0.01	SW846-8260
Acrolein	JU	0.01	mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L	0.01	SW846-8260
Benzene	U	0.005	mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromoform	U	0.005	mg/L	0.005	SW846-8260
Bromomethane	U	0.005	mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L	0.005	SW846-8260
Chloroethane	U	0.005	mg/L	0.005	SW846-8260
Chloroform	U	0.005	mg/L	0.005	SW846-8260
Chloromethane	U	0.005	mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Dibromomethane	U	0.005	mg/L	0.005	SW846-8260

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## MW222

### 20920

Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	U	0.005 mg/L	0.005	SW846-8260
Methylene chloride	U	0.005 mg/L	0.005	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Cyanide	JU	0.05 mg/L	0.05	SW846-9010-A
Iodide	BU	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.01 mg/L	0.01	SW846-9020B

# Paducah-OREIS Data Report

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**MW223**  
**20920**  
**MW223SG4-06**

Collected: 7/13/2006

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	2	mg/L		2	SW846-9056
Chloride		35	mg/L		2	SW846-9056
Fluoride		0.23	mg/L		0.1	9214
Nitrate as Nitrogen		3.7	mg/L		1	SW846-9056
Sulfate		12	mg/L		2	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010B
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic	U	0.001	mg/L		0.001	SW846-6020
Barium		0.255	mg/L		0.005	SW846-6020
Barium, Dissolved		0.26	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6010B
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		21.7	mg/L		1	SW846-6010B
Chromium	X	0.0259	mg/L		0.02	SW846-6020
Chromium, Dissolved	X	0.0264	mg/L		0.02	SW846-6020
Cobalt	U	0.001	mg/L		0.001	SW846-6020
Copper	U	0.02	mg/L		0.02	SW846-6020
Iron	BU	0.1	mg/L		0.1	SW846-6010B
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		8.89	mg/L		0.02	SW846-6010B
Manganese		0.0106	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470A
Molybdenum		0.00902	mg/L		0.001	SW846-6020
Nickel		0.0341	mg/L		0.005	SW846-6020
Potassium	X	4.03	mg/L		0.2	SW846-6010B
Rhodium	BU	0.005	mg/L		0.005	SW846-6020
Selenium	U	0.005	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium	B	42.8	mg/L		1	SW846-6010B
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	BU	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	BU	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.94	Inches/Hg			
<b>PHYSC</b>						
Conductivity		367	umho/cm			
Depth to Water		67.85	ft			
Dissolved Oxygen		215	mg/L			
Dissolved Solids	U	500	mg/L		500	EPA-160.1
pH		6.2	Std Unit			
Redox		211	mV			
Suspended Solids	U	50	mg/L		50	EPA-160.2
Temperature		69.2	deg F			
Turbidity		19.5	NTU			

**MW223**

**20920**

**PPCB**

PCB, Total	U	0.00018	mg/L	0.0002	SW846-8082
PCB-1016	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1221	U	0.00018	mg/L	0.0002	SW846-8082
PCB-1232	U	0.00014	mg/L	0.0001	SW846-8082
PCB-1242		0.00011	mg/L	0.0001	SW846-8082
PCB-1248	U	0.00012	mg/L	0.0001	SW846-8082
PCB-1254	U	0.00007	mg/L	7E-05	SW846-8082
PCB-1260	U	0.00005	mg/L	5E-05	SW846-8082
PCB-1268	U	0.00009	mg/L	9E-05	SW846-8082

**RADS**

Alpha activity	U	1.92	pCi/L	1.03	2.77	SW846-9310
Beta activity		10.3	pCi/L	1.86	3.76	SW846-9310
Iodine-131	U	-1.09	pCi/L	2.17	9.88	RL-7124
Radium-226	U	-0.0363	pCi/L	0.05	0.74	RL-7129
Strontium-90	U	-0.162	pCi/L	0.02	1.76	RL-7140
Technetium-99	U	4.63	pCi/L	13.7	20	RL-7100
Thorium-230	U	0.0203	pCi/L	0.05	0.22	RL-7128
Tritium	U	37	pCi/L	166	277	704R7

**SVOA**

1,2-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260

**VOA**

1,1,1,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dibromo-3-chloropropane	UY	0.0002	mg/L	0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	0.005	SW846-8260
2-Butanone	U	0.01	mg/L	0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L	0.01	SW846-8260
Acetone	U	0.01	mg/L	0.01	SW846-8260
Acrolein	JU	0.01	mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L	0.01	SW846-8260
Benzene	U	0.005	mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromoform	U	0.005	mg/L	0.005	SW846-8260
Bromomethane	U	0.005	mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L	0.005	SW846-8260
Chloroethane	U	0.005	mg/L	0.005	SW846-8260
Chloroform	U	0.005	mg/L	0.005	SW846-8260
Chloromethane	U	0.005	mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Dibromomethane	U	0.005	mg/L	0.005	SW846-8260

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## MW223

### 20920

Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	U	0.005 mg/L	0.005	SW846-8260
Methylene chloride	U	0.005 mg/L	0.005	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Cyanide	JU	0.05 mg/L	0.05	SW846-9010-A
Iodide	BJU	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.01 mg/L	0.01	SW846-9020B

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# Paducah-OREIS Data Report

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12/18/2007

**MW224**  
**20920**  
**MW224SG4-06**

Collected: 7/17/2006

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	2	mg/L		2	SW846-9056
Chloride		37	mg/L		2	SW846-9056
Fluoride		0.28	mg/L		0.1	9214
Nitrate as Nitrogen		1.2	mg/L		1	SW846-9056
Sulfate		20	mg/L		2	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010B
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic	U	0.001	mg/L		0.001	SW846-6020
Barium		0.319	mg/L		0.005	SW846-6020
Barium, Dissolved		0.329	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6010B
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		31.7	mg/L		1	SW846-6010B
Chromium	UX	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	UX	0.02	mg/L		0.02	SW846-6020
Cobalt		0.00468	mg/L		0.001	SW846-6020
Copper	U	0.02	mg/L		0.02	SW846-6020
Iron	BU	0.1	mg/L		0.1	SW846-6010B
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		13.4	mg/L		0.02	SW846-6010B
Manganese		0.346	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470A
Molybdenum	U	0.001	mg/L		0.001	SW846-6020
Nickel	U	0.005	mg/L		0.005	SW846-6020
Potassium	X	0.907	mg/L		0.2	SW846-6010B
Rhodium	BU	0.005	mg/L		0.005	SW846-6020
Selenium	U	0.005	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium	B	63.9	mg/L		1	SW846-6010B
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	BU	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	BU	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.97	Inches/Hg			
<b>PHYSC</b>						
Conductivity		512	umho/cm			
Depth to Water		70.15	ft			
Dissolved Oxygen		1.79	mg/L			
Dissolved Solids	U	500	mg/L		500	EPA-160.1
pH		6.46	Std Unit			
Redox		220	mV			
Suspended Solids	U	50	mg/L		50	EPA-160.2
Temperature		68.6	deg F			
Turbidity		5	NTU			

# Paducah-OREIS Data Report

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## MW224

### 20920

#### PPCB

PCB, Total	U	0.00018	mg/L		0.0002	SW846-8082
PCB-1016	U	0.00017	mg/L		0.0002	SW846-8082
PCB-1221	U	0.00018	mg/L		0.0002	SW846-8082
PCB-1232	U	0.00014	mg/L		0.0001	SW846-8082
PCB-1242	U	0.0001	mg/L		0.0001	SW846-8082
PCB-1248	U	0.00012	mg/L		0.0001	SW846-8082
PCB-1254	U	0.00007	mg/L		7E-05	SW846-8082
PCB-1260	U	0.00005	mg/L		5E-05	SW846-8082
PCB-1268	U	0.00009	mg/L		9E-05	SW846-8082

#### RADS

Alpha activity	U	0.864	pCi/L	0.61	3.26	SW846-9310
Beta activity		5.04	pCi/L	1.11	3.96	SW846-9310
Iodine-131	U	2.23	pCi/L	4.47	9.75	RL-7124
Radium-226	U	0.142	pCi/L	0.28	0.74	RL-7129
Strontium-90	U	-0.181	pCi/L	0.02	1.99	RL-7140
Technetium-99	U	-0.0601	pCi/L	11.9	20	RL-7100
Thorium-230	U	0.0295	pCi/L	0.05	0.22	RL-7128
Tritium	U	91.6	pCi/L	162	268	704R7

#### SVOA

1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260

#### VOA

1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JUY	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	U	0.01	mg/L		0.01	SW846-8260
Acrolein	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260

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## MW224

### 20920

Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	U	0.005 mg/L	0.005	SW846-8260
Methylene chloride	U	0.005 mg/L	0.005	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Cyanide	JU	0.05 mg/L	0.05	SW846-9010-A
Iodide	BU	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	JU	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.01 mg/L	0.01	SW846-9020B



# Paducah-OREIS Data Report

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**MW384**  
**20920**  
**MW384SG4-06**

Collected: 7/13/2006

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	2	mg/L		2	SW846-9056
Chloride		55	mg/L		5	SW846-9056
Fluoride		0.27	mg/L		0.1	9214
Nitrate as Nitrogen		1.2	mg/L		1	SW846-9056
Sulfate		21	mg/L		2	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010B
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic		0.00353	mg/L		0.001	SW846-6020
Barium		0.157	mg/L		0.005	SW846-6020
Barium, Dissolved		0.158	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6010B
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		33.8	mg/L		1	SW846-6010B
Chromium	UX	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	UX	0.02	mg/L		0.02	SW846-6020
Cobalt		0.00129	mg/L		0.001	SW846-6020
Copper	U	0.02	mg/L		0.02	SW846-6020
Iron		0.493	mg/L		0.1	SW846-6010B
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		12.6	mg/L		0.02	SW846-6010B
Manganese		0.194	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470A
Molybdenum	U	0.001	mg/L		0.001	SW846-6020
Nickel	U	0.005	mg/L		0.005	SW846-6020
Potassium	X	1.08	mg/L		0.2	SW846-6010B
Rhodium	BU	0.005	mg/L		0.005	SW846-6020
Selenium		0.00507	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium	B	61.3	mg/L		1	SW846-6010B
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	BU	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	BU	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.94	Inches/Hg			
<b>PHYSC</b>						
Conductivity		528	umho/cm			
Depth to Water		39.83	ft			
Dissolved Oxygen		1.19	mg/L			
Dissolved Solids	U	500	mg/L		500	EPA-160.1
pH		6.15	Std Unit			
Redox		-65	mV			
Suspended Solids	U	50	mg/L		50	EPA-160.2
Temperature		69.6	deg F			
Turbidity		35.5	NTU			

**MW384****20920****PPCB**

PCB, Total	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1016	U	0.00016	mg/L	0.0002	SW846-8082
PCB-1221	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1232	U	0.00013	mg/L	0.0001	SW846-8082
PCB-1242	U	0.0001	mg/L	0.0001	SW846-8082
PCB-1248	U	0.00011	mg/L	0.0001	SW846-8082
PCB-1254	U	0.00007	mg/L	7E-05	SW846-8082
PCB-1260	U	0.00005	mg/L	5E-05	SW846-8082
PCB-1268	U	0.00009	mg/L	9E-05	SW846-8082

**RADS**

Alpha activity		5.09	pCi/L	1.09	3.34	SW846-9310
Beta activity		252	pCi/L	11.8	3.99	SW846-9310
Iodine-131	U	3.23	pCi/L	6.47	12.1	RL-7124
Radium-226	U	0.00226	pCi/L	0.0045	0.67	RL-7129
Strontium-90	U	-0.0174	pCi/L	0.0027	1.88	RL-7140
Technetium-99		383	pCi/L	23.2	20	RL-7100
Thorium-230	U	-0.118	pCi/L	0.07	0.24	RL-7128
Tritium	U	134	pCi/L	167	275	704R7

**SVOA**

1,2-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260

**VOA**

1,1,1,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dibromo-3-chloropropane	UY	0.0002	mg/L	0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	0.005	SW846-8260
2-Butanone	U	0.01	mg/L	0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L	0.01	SW846-8260
Acetone	U	0.01	mg/L	0.01	SW846-8260
Acrolein	JU	0.01	mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L	0.01	SW846-8260
Benzene	U	0.005	mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromoform	U	0.005	mg/L	0.005	SW846-8260
Bromomethane	U	0.005	mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L	0.005	SW846-8260
Chloroethane	U	0.005	mg/L	0.005	SW846-8260
Chloroform	U	0.005	mg/L	0.005	SW846-8260
Chloromethane	U	0.005	mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Dibromomethane	U	0.005	mg/L	0.005	SW846-8260

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## MW384

### 20920

Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	U	0.005 mg/L	0.005	SW846-8260
Methylene chloride	U	0.005 mg/L	0.005	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene		0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Cyanide	JU	0.05 mg/L	0.05	SW846-9010-A
Iodide	BJU	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		1.5 mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.0195 mg/L	0.01	SW846-9020B

# Paducah-OREIS Data Report

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**MW385**

**20920**

**MW385SG4-06**

Collected: 7/13/2006

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	2	mg/L		2	SW846-9056
Chloride		33	mg/L		2	SW846-9056
Fluoride		0.18	mg/L		0.1	9214
Nitrate as Nitrogen		1.3	mg/L		1	SW846-9056
Sulfate		17	mg/L		2	SW846-9056
<b>METAL</b>						
Aluminum		0.302	mg/L		0.2	SW846-6010B
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic	U	0.001	mg/L		0.001	SW846-6020
Barium		0.184	mg/L		0.005	SW846-6020
Barium, Dissolved		0.185	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6010B
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		38.5	mg/L		1	SW846-6010B
Chromium	UX	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	UX	0.02	mg/L		0.02	SW846-6020
Cobalt	U	0.001	mg/L		0.001	SW846-6020
Copper	U	0.02	mg/L		0.02	SW846-6020
Iron		0.182	mg/L		0.1	SW846-6010B
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		11.2	mg/L		0.02	SW846-6010B
Manganese		0.0102	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470A
Molybdenum	U	0.001	mg/L		0.001	SW846-6020
Nickel	U	0.005	mg/L		0.005	SW846-6020
Potassium	X	1.85	mg/L		0.2	SW846-6010B
Rhodium	BU	0.005	mg/L		0.005	SW846-6020
Selenium	U	0.005	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium	B	40.6	mg/L		1	SW846-6010B
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	BU	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	B	0.00116	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.94	Inches/Hg			
<b>PHYSC</b>						
Conductivity		490	umho/cm			
Depth to Water		40.25	ft			
Dissolved Oxygen		1.31	mg/L			
Dissolved Solids	U	500	mg/L		500	EPA-160.1
pH		7.08	Std Unit			
Redox		194	mV			
Suspended Solids	U	50	mg/L		50	EPA-160.2
Temperature		68.8	deg F			
Turbidity		73.7	NTU			

## MW385

## 20920

## PPCB

PCB, Total	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1016	U	0.00016	mg/L	0.0002	SW846-8082
PCB-1221	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1232	U	0.00014	mg/L	0.0001	SW846-8082
PCB-1242	U	0.0001	mg/L	0.0001	SW846-8082
PCB-1248	U	0.00012	mg/L	0.0001	SW846-8082
PCB-1254	U	0.00007	mg/L	7E-05	SW846-8082
PCB-1260	U	0.00005	mg/L	5E-05	SW846-8082
PCB-1268	U	0.00009	mg/L	9E-05	SW846-8082

## RADS

Alpha activity	U	1.63	pCi/L	0.44	2.95	SW846-9310
Beta activity		154	pCi/L	9	3.84	SW846-9310
Iodine-131	U	-1.9	pCi/L	3.79	9.37	RL-7124
Radium-226	U	0.244	pCi/L	0.3	0.78	RL-7129
Strontium-90	U	0.13	pCi/L	0.01	2.03	RL-7140
Technetium-99		260	pCi/L	20.6	20	RL-7100
Thorium-230	U	-0.0036	pCi/L	0.03	0.21	RL-7128
Tritium	U	-59.6	pCi/L	163	277	704R7

## SVOA

1,2-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260

## VOA

1,1,1,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dibromo-3-chloropropane	UY	0.0002	mg/L	0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	0.005	SW846-8260
2-Butanone	U	0.01	mg/L	0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L	0.01	SW846-8260
Acetone	U	0.01	mg/L	0.01	SW846-8260
Acrolein	JU	0.01	mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L	0.01	SW846-8260
Benzene	U	0.005	mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromoform	U	0.005	mg/L	0.005	SW846-8260
Bromomethane	U	0.005	mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L	0.005	SW846-8260
Chloroethane	U	0.005	mg/L	0.005	SW846-8260
Chloroform	U	0.005	mg/L	0.005	SW846-8260
Chloromethane	U	0.005	mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Dibromomethane	U	0.005	mg/L	0.005	SW846-8260

# Paducah-OREIS Data Report

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## MW385

### 20920

Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	U	0.005 mg/L	0.005	SW846-8260
Methylene chloride	U	0.005 mg/L	0.005	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Cyanide	JU	0.05 mg/L	0.05	SW846-9010-A
Iodide	BJU	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	JU	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.01 mg/L	0.01	SW846-9020B

# Paducah-OREIS Data Report

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**MW386**  
**20920**  
**MW386SG4-06**

Collected: 7/13/2006

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	2	mg/L		2	SW846-9056
Chloride		34	mg/L		2	SW846-9056
Fluoride		0.46	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		26	mg/L		2	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010B
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic	U	0.001	mg/L		0.001	SW846-6020
Barium		0.173	mg/L		0.005	SW846-6020
Barium, Dissolved		0.174	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6010B
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		29	mg/L		1	SW846-6010B
Chromium	UX	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	UX	0.02	mg/L		0.02	SW846-6020
Cobalt		0.00744	mg/L		0.001	SW846-6020
Copper	U	0.02	mg/L		0.02	SW846-6020
Iron		5.01	mg/L		0.1	SW846-6010B
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		12.2	mg/L		0.02	SW846-6010B
Manganese		0.716	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470A
Molybdenum	U	0.001	mg/L		0.001	SW846-6020
Nickel	U	0.005	mg/L		0.005	SW846-6020
Potassium	X	0.343	mg/L		0.2	SW846-6010B
Rhodium	BU	0.005	mg/L		0.005	SW846-6020
Selenium	U	0.005	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium	B	111	mg/L		1	SW846-6010B
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	B	0.00127	mg/L		0.001	SW846-6020
Uranium, Dissolved	BU	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.94	Inches/Hg			
<b>PHYSC</b>						
Conductivity		673	umho/cm			
Depth to Water		18.75	ft			
Dissolved Oxygen		1.32	mg/L			
Dissolved Solids	U	500	mg/L		500	EPA-160.1
pH		6.51	Std Unit			
Redox		-10	mV			
Suspended Solids	U	50	mg/L		50	EPA-160.2
Temperature		67.8	deg F			
Turbidity		66.9	NTU			

**MW386**

**20920**

**PPCB**

PCB, Total	U	0.00018	mg/L		0.0002	SW846-8082
PCB-1016	U	0.00017	mg/L		0.0002	SW846-8082
PCB-1221	U	0.00018	mg/L		0.0002	SW846-8082
PCB-1232	U	0.00014	mg/L		0.0001	SW846-8082
PCB-1242	U	0.0001	mg/L		0.0001	SW846-8082
PCB-1248	U	0.00012	mg/L		0.0001	SW846-8082
PCB-1254	U	0.00007	mg/L		7E-05	SW846-8082
PCB-1260	U	0.00005	mg/L		5E-05	SW846-8082
PCB-1268	U	0.00009	mg/L		9E-05	SW846-8082

**RADS**

Alpha activity	U	1.8	pCi/L	1.2	4.21	SW846-9310
Beta activity	U	2.85	pCi/L	0.7	4.27	SW846-9310
Iodine-131	U	1.39	pCi/L	2.78	11	RL-7124
Radium-226	U	0.0505	pCi/L	0.1	0.7	RL-7129
Strontium-90	U	-0.166	pCi/L	0.02	1.79	RL-7140
Technetium-99	U	-6.13	pCi/L	13.4	20	RL-7100
Thorium-230	U	0.0311	pCi/L	0.08	0.23	RL-7128
Tritium	U	19.4	pCi/L	169	283	704R7

**SVOA**

1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260

**VOA**

1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	UY	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	U	0.01	mg/L		0.01	SW846-8260
Acrolein	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260



# Paducah-OREIS Data Report

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## MW386

### 20920

Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	U	0.005 mg/L	0.005	SW846-8260
Methylene chloride	U	0.005 mg/L	0.005	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260

#### WETCHEM

Chemical Oxygen Demand (COD)		54 mg/L	25	EPA-410.4 1978
Cyanide	JU	0.05 mg/L	0.05	SW846-9010-A
Iodide	BJU	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	DJ	20 mg/L	4	SW846-9060
Total Organic Halides (TOX)		0.396 mg/L	0.01	SW846-9020B

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# Paducah-OREIS Data Report

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**MW387**  
**20920**  
**MW387SG4-06**

Collected: 7/13/2006

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	2	mg/L		2	SW846-9056
Chloride		45	mg/L		2	SW846-9056
Fluoride		0.73	mg/L		0.1	9214
Nitrate as Nitrogen		1.6	mg/L		1	SW846-9056
Sulfate		23	mg/L		2	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010B
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic		0.00228	mg/L		0.001	SW846-6020
Barium		0.153	mg/L		0.005	SW846-6020
Barium, Dissolved		0.152	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6010B
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		35	mg/L		1	SW846-6010B
Chromium	UX	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	UX	0.02	mg/L		0.02	SW846-6020
Cobalt	U	0.001	mg/L		0.001	SW846-6020
Copper	U	0.02	mg/L		0.02	SW846-6020
Iron		0.115	mg/L		0.1	SW846-6010B
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		14.3	mg/L		0.02	SW846-6010B
Manganese		0.0125	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470A
Molybdenum	U	0.001	mg/L		0.001	SW846-6020
Nickel	U	0.005	mg/L		0.005	SW846-6020
Potassium	X	1.86	mg/L		0.2	SW846-6010B
Rhodium	BU	0.005	mg/L		0.005	SW846-6020
Selenium	U	0.005	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium	B	48.2	mg/L		1	SW846-6010B
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	BU	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	BU	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.94	Inches/Hg			
<b>PHYSC</b>						
Conductivity		485	umho/cm			
Depth to Water		38.1	ft			
Dissolved Oxygen		4.57	mg/L			
Dissolved Solids	U	500	mg/L		500	EPA-160.1
pH		6.46	Std Unit			
Redox		252	mV			
Suspended Solids	U	50	mg/L		50	EPA-160.2
Temperature		63.8	deg F			
Turbidity		14.7	NTU			

**MW387**

**20920**

**PPCB**

PCB, Total	U	0.00018	mg/L		0.0002	SW846-8082
PCB-1016	U	0.00017	mg/L		0.0002	SW846-8082
PCB-1221	U	0.00018	mg/L		0.0002	SW846-8082
PCB-1232	U	0.00014	mg/L		0.0001	SW846-8082
PCB-1242	U	0.0001	mg/L		0.0001	SW846-8082
PCB-1248	U	0.00012	mg/L		0.0001	SW846-8082
PCB-1254	U	0.00007	mg/L		7E-05	SW846-8082
PCB-1260	U	0.00005	mg/L		5E-05	SW846-8082
PCB-1268	U	0.00009	mg/L		9E-05	SW846-8082

**RADS**

Alpha activity	U	1.61	pCi/L	0.45	3.09	SW846-9310
Beta activity		150	pCi/L	8.94	3.9	SW846-9310
Iodine-131	U	7.72	pCi/L	15.4	13.6	RL-7124
Radium-226	U	0	pCi/L	0	0.73	RL-7129
Strontium-90	U	1.09	pCi/L	0.14	1.63	RL-7140
Technetium-99		245	pCi/L	20.2	20	RL-7100
Thorium-230	U	0.00473	pCi/L	0.07	0.23	RL-7128
Tritium	U	-147	pCi/L	161	276	704R7

**SVOA**

1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260

**VOA**

1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	UY	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	U	0.01	mg/L		0.01	SW846-8260
Acrolein	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260

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## MW387

### 20920

Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	U	0.005 mg/L	0.005	SW846-8260
Methylene chloride	U	0.005 mg/L	0.005	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene		0.0013 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Cyanide	JU	0.05 mg/L	0.05	SW846-9010-A
Iodide	BJU	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.01 mg/L	0.01	SW846-9020B

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# Paducah-OREIS Data Report

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**MW387**  
**20920**  
**MW387DSG4-06**

Collected: 7/13/2006

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	2	mg/L		2	SW846-9056
Chloride		44	mg/L		2	SW846-9056
Fluoride		0.74	mg/L		0.1	9214
Nitrate as Nitrogen		1.6	mg/L		1	SW846-9056
Sulfate		23	mg/L		2	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010B
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic		0.00219	mg/L		0.001	SW846-6020
Barium		0.151	mg/L		0.005	SW846-6020
Barium, Dissolved		0.153	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6010B
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		35.2	mg/L		1	SW846-6010B
Chromium	UX	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	UX	0.02	mg/L		0.02	SW846-6020
Cobalt	U	0.001	mg/L		0.001	SW846-6020
Copper	U	0.02	mg/L		0.02	SW846-6020
Iron	BU	0.1	mg/L		0.1	SW846-6010B
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		14.4	mg/L		0.02	SW846-6010B
Manganese		0.00657	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470A
Molybdenum	U	0.001	mg/L		0.001	SW846-6020
Nickel	U	0.005	mg/L		0.005	SW846-6020
Potassium	X	1.79	mg/L		0.2	SW846-6010B
Rhodium	BU	0.005	mg/L		0.005	SW846-6020
Selenium	U	0.005	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium	B	48.7	mg/L		1	SW846-6010B
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	BU	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	BU	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.94	Inches/Hg			
<b>PHYSC</b>						
Conductivity		485	umho/cm			
Depth to Water		38.1	ft			
Dissolved Oxygen		4.57	mg/L			
Dissolved Solids	U	500	mg/L		500	EPA-160.1
pH		6.46	Std Unit			
Redox		252	mV			
Suspended Solids	U	50	mg/L		50	EPA-160.2
Temperature		63.8	deg F			
Turbidity		14.7	NTU			

## MW387

## 20920

## PPCB

PCB, Total	U	0.00018	mg/L	0.0002	SW846-8082
PCB-1016	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1221	U	0.00018	mg/L	0.0002	SW846-8082
PCB-1232	U	0.00014	mg/L	0.0001	SW846-8082
PCB-1242	U	0.0001	mg/L	0.0001	SW846-8082
PCB-1248	U	0.00012	mg/L	0.0001	SW846-8082
PCB-1254	U	0.00007	mg/L	7E-05	SW846-8082
PCB-1260	U	0.00005	mg/L	5E-05	SW846-8082
PCB-1268	U	0.00009	mg/L	9E-05	SW846-8082

## RADS

Alpha activity		4.82	pCi/L	1.21	3.14	SW846-9310
Beta activity		157	pCi/L	9.17	3.92	SW846-9310
Iodine-131	U	2.69	pCi/L	5.39	11.9	RL-7124
Radium-226	U	-0.0578	pCi/L	0.06	0.76	RL-7129
Strontium-90	U	0.62	pCi/L	0.08	1.62	RL-7140
Technetium-99		249	pCi/L	20.3	20	RL-7100
Thorium-230	U	0.139	pCi/L	0.07	0.41	RL-7128
Tritium	U	43.7	pCi/L	162	271	704R7

## SVOA

1,2-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260

## VOA

1,1,1,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dibromo-3-chloropropane	UY	0.0002	mg/L	0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	0.005	SW846-8260
2-Butanone	U	0.01	mg/L	0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L	0.01	SW846-8260
Acetone	U	0.01	mg/L	0.01	SW846-8260
Acrolein	JU	0.01	mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L	0.01	SW846-8260
Benzene	U	0.005	mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromoform	U	0.005	mg/L	0.005	SW846-8260
Bromomethane	U	0.005	mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L	0.005	SW846-8260
Chloroethane	U	0.005	mg/L	0.005	SW846-8260
Chloroform	U	0.005	mg/L	0.005	SW846-8260
Chloromethane	U	0.005	mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Dibromomethane	U	0.005	mg/L	0.005	SW846-8260

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## MW387

### 20920

Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	U	0.005 mg/L	0.005	SW846-8260
Methylene chloride	U	0.005 mg/L	0.005	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene		0.0016 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Cyanide	JU	0.05 mg/L	0.05	SW846-9010-A
Iodide	BJU	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.0122 mg/L	0.01	SW846-9020B

# Paducah-OREIS Data Report

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**MW388**  
**20920**  
**MW388SG4-06**

Collected: 7/13/2006

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	2	mg/L		2	SW846-9056
Chloride		38	mg/L		2	SW846-9056
Fluoride		0.31	mg/L		0.1	9214
Nitrate as Nitrogen		1.6	mg/L		1	SW846-9056
Sulfate		19	mg/L		2	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010B
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic		0.00125	mg/L		0.001	SW846-6020
Barium		0.186	mg/L		0.005	SW846-6020
Barium, Dissolved		0.186	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6010B
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		27.5	mg/L		1	SW846-6010B
Chromium	UX	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	UX	0.02	mg/L		0.02	SW846-6020
Cobalt	U	0.001	mg/L		0.001	SW846-6020
Copper	U	0.02	mg/L		0.02	SW846-6020
Iron	BU	0.1	mg/L		0.1	SW846-6010B
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		11	mg/L		0.02	SW846-6010B
Manganese	U	0.005	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470A
Molybdenum	U	0.001	mg/L		0.001	SW846-6020
Nickel	U	0.005	mg/L		0.005	SW846-6020
Potassium	X	1.8	mg/L		0.2	SW846-6010B
Rhodium	BU	0.005	mg/L		0.005	SW846-6020
Selenium	U	0.005	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium	B	42.9	mg/L		1	SW846-6010B
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	BU	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	BU	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.94	Inches/Hg			
<b>PHYSC</b>						
Conductivity		398	umho/cm			
Depth to Water		38.05	ft			
Dissolved Oxygen		5.26	mg/L			
Dissolved Solids	U	500	mg/L		500	EPA-160.1
pH		6.11	Std Unit			
Redox		248	mV			
Suspended Solids	U	50	mg/L		50	EPA-160.2
Temperature		64.8	deg F			
Turbidity		17	NTU			



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## MW388

### 20920

#### PPCB

PCB, Total	U	0.00018	mg/L	0.0002	SW846-8082
PCB-1016	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1221	U	0.00018	mg/L	0.0002	SW846-8082
PCB-1232	U	0.00014	mg/L	0.0001	SW846-8082
PCB-1242	U	0.0001	mg/L	0.0001	SW846-8082
PCB-1248	U	0.00012	mg/L	0.0001	SW846-8082
PCB-1254	U	0.00007	mg/L	7E-05	SW846-8082
PCB-1260	U	0.00005	mg/L	5E-05	SW846-8082
PCB-1268	U	0.00009	mg/L	9E-05	SW846-8082

#### RADS

Alpha activity	U	1.09	pCi/L	0.33	2.92	SW846-9310
Beta activity		118	pCi/L	7.81	3.83	SW846-9310
Iodine-131	U	3.58	pCi/L	7.15	13	RL-7124
Radium-226	U	0.275	pCi/L	0.27	0.71	RL-7129
Strontium-90	U	-0.068	pCi/L	0.01	1.83	RL-7140
Technetium-99		175	pCi/L	18.6	20	RL-7100
Thorium-230	U	0.0121	pCi/L	0.05	0.23	RL-7128
Tritium	U	3.9	pCi/L	159	267	704R7

#### SVOA

1,2-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260

#### VOA

1,1,1,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dibromo-3-chloropropane	UY	0.0002	mg/L	0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	0.005	SW846-8260
2-Butanone	U	0.01	mg/L	0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L	0.01	SW846-8260
Acetone	U	0.01	mg/L	0.01	SW846-8260
Acrolein	JU	0.01	mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L	0.01	SW846-8260
Benzene	U	0.005	mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromoform	U	0.005	mg/L	0.005	SW846-8260
Bromomethane	U	0.005	mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L	0.005	SW846-8260
Chloroethane	U	0.005	mg/L	0.005	SW846-8260
Chloroform	U	0.005	mg/L	0.005	SW846-8260
Chloromethane	U	0.005	mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Dibromomethane	U	0.005	mg/L	0.005	SW846-8260

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## MW388

### 20920

Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	U	0.005 mg/L	0.005	SW846-8260
Methylene chloride	U	0.005 mg/L	0.005	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene		0.0012 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Cyanide	JU	0.05 mg/L	0.05	SW846-9010-A
Iodide	BJU	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.01 mg/L	0.01	SW846-9020B

# Paducah-OREIS Data Report

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**MW390**  
**20920**  
**MW390SG4-06**

Collected: 7/17/2006

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide		2.6	mg/L		2	SW846-9056
Chloride		210	mg/L		20	SW846-9056
Fluoride		0.25	mg/L		0.1	9214
Nitrate as Nitrogen		2.4	mg/L		1	SW846-9056
Sulfate		12	mg/L		2	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010B
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic		0.00304	mg/L		0.001	SW846-6020
Barium		0.443	mg/L		0.005	SW846-6020
Barium, Dissolved		0.446	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6010B
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		58.5	mg/L		1	SW846-6010B
Chromium	UX	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	UX	0.02	mg/L		0.02	SW846-6020
Cobalt	U	0.001	mg/L		0.001	SW846-6020
Copper	U	0.02	mg/L		0.02	SW846-6020
Iron	B	0.142	mg/L		0.1	SW846-6010B
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		24.4	mg/L		0.02	SW846-6010B
Manganese	U	0.005	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470A
Molybdenum		0.00292	mg/L		0.001	SW846-6020
Nickel		0.00742	mg/L		0.005	SW846-6020
Potassium	X	0.363	mg/L		0.2	SW846-6010B
Rhodium	BU	0.005	mg/L		0.005	SW846-6020
Selenium		0.0112	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium	B	109	mg/L		1	SW846-6010B
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	BU	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	BU	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.97	Inches/Hg			
<b>PHYSC</b>						
Conductivity		1025	umho/cm			
Depth to Water		35.08	ft			
Dissolved Oxygen		360	mg/L			
Dissolved Solids		589	mg/L		500	EPA-160.1
pH		6.35	Std Unit			
Redox		238	mV			
Suspended Solids	U	50	mg/L		50	EPA-160.2
Temperature		68	deg F			
Turbidity		3.6	NTU			

# Paducah-OREIS Data Report

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## MW390

### 20920

#### PPCB

PCB, Total	U	0.00018	mg/L		0.0002	SW846-8082
PCB-1016	U	0.00017	mg/L		0.0002	SW846-8082
PCB-1221	U	0.00018	mg/L		0.0002	SW846-8082
PCB-1232	U	0.00014	mg/L		0.0001	SW846-8082
PCB-1242	U	0.0001	mg/L		0.0001	SW846-8082
PCB-1248	U	0.00012	mg/L		0.0001	SW846-8082
PCB-1254	U	0.00007	mg/L		7E-05	SW846-8082
PCB-1260	U	0.00005	mg/L		5E-05	SW846-8082
PCB-1268	U	0.00009	mg/L		9E-05	SW846-8082

#### RADS

Alpha activity	U	2.83	pCi/L	1.21	4.62	SW846-9310
Beta activity		47.9	pCi/L	5.11	4.39	SW846-9310
Iodine-131	U	-1.16	pCi/L	2.32	11.7	RL-7124
Radium-226	U	0.0908	pCi/L	0.18	0.68	RL-7129
Strontium-90	U	0.164	pCi/L	0.02	1.84	RL-7140
Technetium-99		93.8	pCi/L	15.8	18.8	RL-7100
Thorium-230	U	0.00503	pCi/L	0.05	0.22	RL-7128
Tritium	U	-184	pCi/L	157	271	704R7

#### SVOA

1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260

#### VOA

1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JUY	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	U	0.01	mg/L		0.01	SW846-8260
Acrolein	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260

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## MW390

### 20920

Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	U	0.005 mg/L	0.005	SW846-8260
Methylene chloride	U	0.005 mg/L	0.005	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Cyanide	JU	0.05 mg/L	0.05	SW846-9010-A
Iodide	BU	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	J	2.3 mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.0203 mg/L	0.01	SW846-9020B

# Paducah-OREIS Data Report

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**MW391**

**20920**

**MW391SG4-06**

Collected: 7/17/2006

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	2	mg/L		2	SW846-9056
Chloride		45	mg/L		2	SW846-9056
Fluoride		0.16	mg/L		0.1	9214
Nitrate as Nitrogen	X	1	mg/L		1	SW846-9056
Sulfate		11	mg/L		2	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010B
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic	U	0.001	mg/L		0.001	SW846-6020
Barium		0.229	mg/L		0.005	SW846-6020
Barium, Dissolved		0.234	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6010B
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		26.8	mg/L		1	SW846-6010B
Chromium	UX	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	UX	0.02	mg/L		0.02	SW846-6020
Cobalt	U	0.001	mg/L		0.001	SW846-6020
Copper	U	0.02	mg/L		0.02	SW846-6020
Iron	B	0.167	mg/L		0.1	SW846-6010B
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		10.3	mg/L		0.02	SW846-6010B
Manganese	U	0.005	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470A
Molybdenum	U	0.001	mg/L		0.001	SW846-6020
Nickel	U	0.005	mg/L		0.005	SW846-6020
Potassium	X	1.41	mg/L		0.2	SW846-6010B
Rhodium	BU	0.005	mg/L		0.005	SW846-6020
Selenium	U	0.005	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium	B	33.3	mg/L		1	SW846-6010B
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	BU	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	BU	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.97	Inches/Hg			
<b>PHYSC</b>						
Conductivity		361	umho/cm			
Depth to Water		41.38	ft			
Dissolved Oxygen		3.74	mg/L			
Dissolved Solids	U	500	mg/L		500	EPA-160.1
pH		6.11	Std Unit			
Redox		203	mV			
Suspended Solids	U	50	mg/L		50	EPA-160.2
Temperature		65.4	deg F			
Turbidity		18.8	NTU			

# Paducah-OREIS Data Report

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## MW391

### 20920

#### PPCB

PCB, Total	U	0.00018	mg/L		0.0002	SW846-8082
PCB-1016	U	0.00017	mg/L		0.0002	SW846-8082
PCB-1221	U	0.00018	mg/L		0.0002	SW846-8082
PCB-1232	U	0.00014	mg/L		0.0001	SW846-8082
PCB-1242	U	0.0001	mg/L		0.0001	SW846-8082
PCB-1248	U	0.00012	mg/L		0.0001	SW846-8082
PCB-1254	U	0.00007	mg/L		7E-05	SW846-8082
PCB-1260	U	0.00005	mg/L		5E-05	SW846-8082
PCB-1268	U	0.00009	mg/L		9E-05	SW846-8082

#### RADS

Alpha activity	U	1.08	pCi/L	0.71	2.6	SW846-9310
Beta activity	U	2.84	pCi/L	0.68	3.68	SW846-9310
Iodine-131	U	-1.98	pCi/L	3.96	9.33	RL-7124
Radium-226	U	0.264	pCi/L	0.36	0.77	RL-7129
Strontium-90	U	-0.0758	pCi/L	0.01	2.11	RL-7140
Technetium-99	U	-5.23	pCi/L	13.4	20	RL-7100
Thorium-230	U	0.0199	pCi/L	0.05	0.22	RL-7128
Tritium	U	50.1	pCi/L	160	266	704R7

#### SVOA

1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260

#### VOA

1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JUY	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	U	0.01	mg/L		0.01	SW846-8260
Acrolein	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260

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## MW391

### 20920

Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	U	0.005 mg/L	0.005	SW846-8260
Methylene chloride	U	0.005 mg/L	0.005	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene		0.016 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Cyanide	JU	0.05 mg/L	0.05	SW846-9010-A
Iodide	BU	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.0134 mg/L	0.01	SW846-9020B



# Paducah-OREIS Data Report

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**MW392**

**20920**

**MW392SG4-06**

Collected: 7/17/2006

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	2	mg/L		2	SW846-9056
Chloride		46	mg/L		2	SW846-9056
Fluoride		0.25	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		7.4	mg/L		2	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010B
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic		0.00195	mg/L		0.001	SW846-6020
Barium		0.247	mg/L		0.005	SW846-6020
Barium, Dissolved		0.241	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6010B
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		26.2	mg/L		1	SW846-6010B
Chromium	UX	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	UX	0.02	mg/L		0.02	SW846-6020
Cobalt	U	0.001	mg/L		0.001	SW846-6020
Copper	U	0.02	mg/L		0.02	SW846-6020
Iron	B	1.67	mg/L		0.1	SW846-6010B
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		9.57	mg/L		0.02	SW846-6010B
Manganese		0.75	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470A
Molybdenum	U	0.001	mg/L		0.001	SW846-6020
Nickel	U	0.005	mg/L		0.005	SW846-6020
Potassium	X	1.7	mg/L		0.2	SW846-6010B
Rhodium	BU	0.005	mg/L		0.005	SW846-6020
Selenium	U	0.005	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium	B	42.6	mg/L		1	SW846-6010B
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	BU	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	BU	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.97	Inches/Hg			
<b>PHYSC</b>						
Conductivity		399	umho/cm			
Depth to Water		40.52	ft			
Dissolved Oxygen		0.89	mg/L			
Dissolved Solids	U	500	mg/L		500	EPA-160.1
pH		6.23	Std Unit			
Redox		54	mV			
Suspended Solids	U	50	mg/L		50	EPA-160.2
Temperature		65	deg F			
Turbidity		48	NTU			

# Paducah-OREIS Data Report

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## MW392

### 20920

#### PPCB

PCB, Total	U	0.00018	mg/L	0.0002	SW846-8082
PCB-1016	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1221	U	0.00018	mg/L	0.0002	SW846-8082
PCB-1232	U	0.00014	mg/L	0.0001	SW846-8082
PCB-1242	U	0.0001	mg/L	0.0001	SW846-8082
PCB-1248	U	0.00012	mg/L	0.0001	SW846-8082
PCB-1254	U	0.00007	mg/L	7E-05	SW846-8082
PCB-1260	U	0.00005	mg/L	5E-05	SW846-8082
PCB-1268	U	0.00009	mg/L	9E-05	SW846-8082

#### RADS

Alpha activity	U	1.08	pCi/L	0.71	2.82	SW846-9310
Beta activity		4.14	pCi/L	0.94	3.79	SW846-9310
Iodine-131	U	0.943	pCi/L	1.89	11.2	RL-7124
Radium-226	U	0.121	pCi/L	0.21	0.7	RL-7129
Strontium-90	U	-0.14	pCi/L	0.02	1.93	RL-7140
Technetium-99	U	-2.65	pCi/L	13.3	20	RL-7100
Thorium-230	U	0.0227	pCi/L	0.05	0.23	RL-7128
Tritium	U	1.79	pCi/L	158	265	704R7

#### SVOA

1,2-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260

#### VOA

1,1,1,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JUY	0.0002	mg/L	0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	0.005	SW846-8260
2-Butanone	U	0.01	mg/L	0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L	0.01	SW846-8260
Acetone	U	0.01	mg/L	0.01	SW846-8260
Acrolein	JU	0.01	mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L	0.01	SW846-8260
Benzene	U	0.005	mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromoform	U	0.005	mg/L	0.005	SW846-8260
Bromomethane	U	0.005	mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L	0.005	SW846-8260
Chloroethane	U	0.005	mg/L	0.005	SW846-8260
Chloroform	U	0.005	mg/L	0.005	SW846-8260
Chloromethane	U	0.005	mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Dibromomethane	U	0.005	mg/L	0.005	SW846-8260

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## MW392

### 20920

Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	U	0.005 mg/L	0.005	SW846-8260
Methylene chloride	U	0.005 mg/L	0.005	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene		0.012 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Cyanide	JU	0.05 mg/L	0.05	SW846-9010-A
Iodide	BU	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	J	3 mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.067 mg/L	0.01	SW846-9020B

# Paducah-OREIS Data Report

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**MW393**  
**20920**  
**MW393SG4-06**

Collected: 7/17/2006

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	2	mg/L		2	SW846-9056
Chloride		20	mg/L		2	SW846-9056
Fluoride		0.16	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		6.7	mg/L		2	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010B
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic		0.00304	mg/L		0.001	SW846-6020
Barium		0.112	mg/L		0.005	SW846-6020
Barium, Dissolved		0.113	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6010B
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		12	mg/L		1	SW846-6010B
Chromium	UX	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	UX	0.02	mg/L		0.02	SW846-6020
Cobalt	U	0.001	mg/L		0.001	SW846-6020
Copper	U	0.02	mg/L		0.02	SW846-6020
Iron	B	5.83	mg/L		0.1	SW846-6010B
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		3.8	mg/L		0.02	SW846-6010B
Manganese		0.0356	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470A
Molybdenum	U	0.001	mg/L		0.001	SW846-6020
Nickel	U	0.005	mg/L		0.005	SW846-6020
Potassium	X	0.23	mg/L		0.2	SW846-6010B
Rhodium	BU	0.005	mg/L		0.005	SW846-6020
Selenium	U	0.005	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium	B	82.3	mg/L		1	SW846-6010B
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	BU	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	BU	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.97	Inches/Hg			
<b>PHYSC</b>						
Conductivity		432	umho/cm			
Depth to Water		25.53	ft			
Dissolved Oxygen		1.2	mg/L			
Dissolved Solids	U	500	mg/L		500	EPA-160.1
pH		6.22	Std Unit			
Redox		1	mV			
Suspended Solids	U	50	mg/L		50	EPA-160.2
Temperature		66	deg F			
Turbidity		29	NTU			

## MW393

## 20920

## PPCB

PCB, Total	U	0.00018	mg/L		0.0002	SW846-8082
PCB-1016	U	0.00017	mg/L		0.0002	SW846-8082
PCB-1221	U	0.00018	mg/L		0.0002	SW846-8082
PCB-1232	U	0.00014	mg/L		0.0001	SW846-8082
PCB-1242	U	0.0001	mg/L		0.0001	SW846-8082
PCB-1248	U	0.00012	mg/L		0.0001	SW846-8082
PCB-1254	U	0.00007	mg/L		7E-05	SW846-8082
PCB-1260	U	0.00005	mg/L		5E-05	SW846-8082
PCB-1268	U	0.00009	mg/L		9E-05	SW846-8082

## RADS

Alpha activity	U	3.26	pCi/L	1.97	4.97	SW846-9310
Beta activity	U	2.5	pCi/L	0.66	7.23	SW846-9310
Iodine-131	U	1.89	pCi/L	3.78	11	RL-7124
Radium-226	U	0.13	pCi/L	0.23	0.7	RL-7129
Strontium-90	U	-0.331	pCi/L	0.05	1.95	RL-7140
Technetium-99	U	3.49	pCi/L	13.7	20	RL-7100
Thorium-230	U	0.0186	pCi/L	0.05	0.22	RL-7128
Tritium	U	69.8	pCi/L	166	275	704R7

## SVOA

1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260

## VOA

1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JUY	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	U	0.01	mg/L		0.01	SW846-8260
Acrolein	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260

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## MW393

### 20920

Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	U	0.005 mg/L	0.005	SW846-8260
Methylene chloride	U	0.005 mg/L	0.005	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Cyanide	JU	0.05 mg/L	0.05	SW846-9010-A
Iodide	BU	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	J	5.7 mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.0626 mg/L	0.01	SW846-9020B

# Paducah-OREIS Data Report

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**MW394**

**20920**

**MW394SG4-06**

Collected: 7/17/2006

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	2	mg/L		2	SW846-9056
Chloride		62	mg/L		5	SW846-9056
Fluoride		0.15	mg/L		0.1	9214
Nitrate as Nitrogen		1.6	mg/L		1	SW846-9056
Sulfate		9.4	mg/L		2	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010B
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic	U	0.001	mg/L		0.001	SW846-6020
Barium		0.258	mg/L		0.005	SW846-6020
Barium, Dissolved		0.268	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6010B
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		32.4	mg/L		1	SW846-6010B
Chromium	UX	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	UX	0.02	mg/L		0.02	SW846-6020
Cobalt	U	0.001	mg/L		0.001	SW846-6020
Copper	U	0.02	mg/L		0.02	SW846-6020
Iron	BU	0.1	mg/L		0.1	SW846-6010B
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		12.9	mg/L		0.02	SW846-6010B
Manganese	U	0.005	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470A
Molybdenum	U	0.001	mg/L		0.001	SW846-6020
Nickel	U	0.005	mg/L		0.005	SW846-6020
Potassium	X	1.12	mg/L		0.2	SW846-6010B
Rhodium	BU	0.005	mg/L		0.005	SW846-6020
Selenium	U	0.005	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium	B	32.3	mg/L		1	SW846-6010B
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	BU	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	BU	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.97	Inches/Hg			
<b>PHYSC</b>						
Conductivity		415	umho/cm			
Depth to Water		53.02	ft			
Dissolved Oxygen		3.07	mg/L			
Dissolved Solids	U	500	mg/L		500	EPA-160.1
pH		6.08	Std Unit			
Redox		261	mV			
Suspended Solids	U	50	mg/L		50	EPA-160.2
Temperature		63.8	deg F			
Turbidity		26.5	NTU			

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## MW394

### 20920

#### PPCB

PCB, Total	U	0.00018	mg/L		0.0002	SW846-8082
PCB-1016	U	0.00017	mg/L		0.0002	SW846-8082
PCB-1221	U	0.00018	mg/L		0.0002	SW846-8082
PCB-1232	U	0.00014	mg/L		0.0001	SW846-8082
PCB-1242	U	0.0001	mg/L		0.0001	SW846-8082
PCB-1248	U	0.00012	mg/L		0.0001	SW846-8082
PCB-1254	U	0.00007	mg/L		7E-05	SW846-8082
PCB-1260	U	0.00005	mg/L		5E-05	SW846-8082
PCB-1268	U	0.00009	mg/L		9E-05	SW846-8082

#### RADS

Alpha activity	U	0.947	pCi/L	0.63	2.7	SW846-9310
Beta activity		5.14	pCi/L	1.12	3.73	SW846-9310
Iodine-131	U	7.21	pCi/L	14.4	13	RL-7124
Radium-226	U	0.14	pCi/L	0.24	0.72	RL-7129
Strontium-90	U	0.114	pCi/L	0.01	1.81	RL-7140
Technetium-99	U	-1.14	pCi/L	13.2	20	RL-7100
Thorium-230	U	0.0263	pCi/L	0.06	0.22	RL-7128
Tritium	U	-12.3	pCi/L	159	267	704R7

#### SVOA

1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260

#### VOA

1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JUY	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	U	0.01	mg/L		0.01	SW846-8260
Acrolein	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260



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## MW394

### 20920

Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	U	0.005 mg/L	0.005	SW846-8260
Methylene chloride	U	0.005 mg/L	0.005	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene		0.013 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Cyanide	JU	0.05 mg/L	0.05	SW846-9010-A
Iodide	BU	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	JU	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.0266 mg/L	0.01	SW846-9020B

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**MW395**  
**20920**  
**MW395SG4-06**

Collected: 7/17/2006

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	2	mg/L		2	SW846-9056
Chloride		61	mg/L		10	SW846-9056
Fluoride		0.14	mg/L		0.1	9214
Nitrate as Nitrogen		1.9	mg/L		1	SW846-9056
Sulfate		9.3	mg/L		2	SW846-9056
<b>METAL</b>						
Aluminum		0.24	mg/L		0.2	SW846-6010B
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic	U	0.001	mg/L		0.001	SW846-6020
Barium		0.267	mg/L		0.005	SW846-6020
Barium, Dissolved		0.274	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6010B
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		33.3	mg/L		1	SW846-6010B
Chromium	UX	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	UX	0.02	mg/L		0.02	SW846-6020
Cobalt	U	0.001	mg/L		0.001	SW846-6020
Copper	U	0.02	mg/L		0.02	SW846-6020
Iron	B	0.198	mg/L		0.1	SW846-6010B
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		13.3	mg/L		0.02	SW846-6010B
Manganese	U	0.005	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470A
Molybdenum	U	0.001	mg/L		0.001	SW846-6020
Nickel	U	0.005	mg/L		0.005	SW846-6020
Potassium	X	1.56	mg/L		0.2	SW846-6010B
Rhodium	BU	0.005	mg/L		0.005	SW846-6020
Selenium	U	0.005	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium	B	28.7	mg/L		1	SW846-6010B
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	BU	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	BU	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.97	Inches/Hg			
<b>PHYSC</b>						
Conductivity		414	umho/cm			
Depth to Water		53.65	ft			
Dissolved Oxygen		2.14	mg/L			
Dissolved Solids	U	500	mg/L		500	EPA-160.1
pH		6.02	Std Unit			
Redox		207	mV			
Suspended Solids	U	50	mg/L		50	EPA-160.2
Temperature		63.9	deg F			
Turbidity		8.6	NTU			

**MW395**

**20920**

**PPCB**

PCB, Total	U	0.00018	mg/L	0.0002	SW846-8082
PCB-1016	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1221	U	0.00018	mg/L	0.0002	SW846-8082
PCB-1232	U	0.00014	mg/L	0.0001	SW846-8082
PCB-1242	U	0.0001	mg/L	0.0001	SW846-8082
PCB-1248	U	0.00012	mg/L	0.0001	SW846-8082
PCB-1254	U	0.00007	mg/L	7E-05	SW846-8082
PCB-1260	U	0.00005	mg/L	5E-05	SW846-8082
PCB-1268	U	0.00009	mg/L	9E-05	SW846-8082

**RADS**

Alpha activity	U	-0.16	pCi/L	0.14	2.62	SW846-9310
Beta activity		5.87	pCi/L	1.23	3.69	SW846-9310
Iodine-131	U	-2.07	pCi/L	4.15	8.43	RL-7124
Radium-226	U	-0.032	pCi/L	0.06	0.75	RL-7129
Strontium-90	U	0.592	pCi/L	0.08	1.93	RL-7140
Technetium-99	U	10	pCi/L	13.9	20	RL-7100
Thorium-230	U	0.0124	pCi/L	0.05	0.24	RL-7128
Tritium	U	24.2	pCi/L	159	267	704R7

**SVOA**

1,2-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260

**VOA**

1,1,1,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JUY	0.0002	mg/L	0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	0.005	SW846-8260
2-Butanone	U	0.01	mg/L	0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L	0.01	SW846-8260
Acetone	U	0.01	mg/L	0.01	SW846-8260
Acrolein	JU	0.01	mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L	0.01	SW846-8260
Benzene	U	0.005	mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromoform	U	0.005	mg/L	0.005	SW846-8260
Bromomethane	U	0.005	mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L	0.005	SW846-8260
Chloroethane	U	0.005	mg/L	0.005	SW846-8260
Chloroform	U	0.005	mg/L	0.005	SW846-8260
Chloromethane	U	0.005	mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Dibromomethane	U	0.005	mg/L	0.005	SW846-8260

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## MW395

### 20920

Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	U	0.005 mg/L	0.005	SW846-8260
Methylene chloride	U	0.005 mg/L	0.005	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene		0.0083 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Cyanide	JU	0.05 mg/L	0.05	SW846-9010-A
Iodide	BU	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	JU	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.0202 mg/L	0.01	SW846-9020B

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**MW396**

**20920**

**MW396SG4-06**

Collected: 7/17/2006

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide		2.3	mg/L		2	SW846-9056
Chloride		99	mg/L		10	SW846-9056
Fluoride		0.54	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		19	mg/L		2	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010B
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic		0.00209	mg/L		0.001	SW846-6020
Barium		0.356	mg/L		0.005	SW846-6020
Barium, Dissolved		0.366	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6010B
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		43.9	mg/L		1	SW846-6010B
Chromium	UX	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	UX	0.02	mg/L		0.02	SW846-6020
Cobalt		0.00211	mg/L		0.001	SW846-6020
Copper	U	0.02	mg/L		0.02	SW846-6020
Iron	B	1.4	mg/L		0.1	SW846-6010B
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		19.7	mg/L		0.02	SW846-6010B
Manganese		0.558	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470A
Molybdenum	U	0.001	mg/L		0.001	SW846-6020
Nickel	U	0.005	mg/L		0.005	SW846-6020
Potassium	X	1.36	mg/L		0.2	SW846-6010B
Rhodium	BU	0.005	mg/L		0.005	SW846-6020
Selenium		0.00838	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium	B	163	mg/L		1	SW846-6010B
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	BU	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	BU	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.97	Inches/Hg			
<b>PHYSC</b>						
Conductivity		997	umho/cm			
Depth to Water		8.92	ft			
Dissolved Oxygen		0.86	mg/L			
Dissolved Solids		592	mg/L		500	EPA-160.1
pH		6.75	Std Unit			
Redox		33	mV			
Suspended Solids	U	50	mg/L		50	EPA-160.2
Temperature		65.4	deg F			
Turbidity		45.8	NTU			

## MW396

## 20920

## PPCB

PCB, Total	U	0.00018	mg/L	0.0002	SW846-8082
PCB-1016	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1221	U	0.00018	mg/L	0.0002	SW846-8082
PCB-1232	U	0.00014	mg/L	0.0001	SW846-8082
PCB-1242	U	0.0001	mg/L	0.0001	SW846-8082
PCB-1248	U	0.00012	mg/L	0.0001	SW846-8082
PCB-1254	U	0.00007	mg/L	7E-05	SW846-8082
PCB-1260	U	0.00005	mg/L	5E-05	SW846-8082
PCB-1268	U	0.00009	mg/L	9E-05	SW846-8082

## RADS

Alpha activity	U	1.12	pCi/L	0.91	7.9	SW846-9310
Beta activity	U	4.39	pCi/L	1.12	8.39	SW846-9310
Iodine-131	U	-1.01	pCi/L	2.01	8.57	RL-7124
Radium-226	U	0.315	pCi/L	0.31	0.73	RL-7129
Strontium-90	U	0.123	pCi/L	0.01	1.72	RL-7140
Technetium-99	U	6.4	pCi/L	13.1	18.8	RL-7100
Thorium-230	U	-0.0049	pCi/L	0.04	0.21	RL-7128
Tritium	U	-12.7	pCi/L	156	263	704R7

## SVOA

1,2-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260

## VOA

1,1,1,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JUY	0.0002	mg/L	0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	0.005	SW846-8260
2-Butanone	U	0.01	mg/L	0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L	0.01	SW846-8260
Acetone	U	0.01	mg/L	0.01	SW846-8260
Acrolein	JU	0.01	mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L	0.01	SW846-8260
Benzene	U	0.005	mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromoform	U	0.005	mg/L	0.005	SW846-8260
Bromomethane	U	0.005	mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L	0.005	SW846-8260
Chloroethane	U	0.005	mg/L	0.005	SW846-8260
Chloroform	U	0.005	mg/L	0.005	SW846-8260
Chloromethane	U	0.005	mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Dibromomethane	U	0.005	mg/L	0.005	SW846-8260

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## MW396

### 20920

Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	U	0.005 mg/L	0.005	SW846-8260
Methylene chloride	U	0.005 mg/L	0.005	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Cyanide	JU	0.05 mg/L	0.05	SW846-9010-A
Iodide	BU	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	J	6.2 mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.147 mg/L	0.01	SW846-9020B

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**MW397**  
**20920**  
**MW397SG4-06**

Collected: 7/18/2006

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	2	mg/L		2	SW846-9056
Chloride		46	mg/L		2	SW846-9056
Fluoride		0.15	mg/L		0.1	9214
Nitrate as Nitrogen		1.9	mg/L		1	SW846-9056
Sulfate		12	mg/L		2	SW846-9056
<b>METAL</b>						
Aluminum	NU	0.2	mg/L		0.2	SW846-6010B
Antimony	U	0.005	mg/L		0.005	SW846-6020
Arsenic		0.00141	mg/L		0.001	SW846-6020
Barium		0.168	mg/L		0.005	SW846-6020
Barium, Dissolved		0.169	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	BU	0.2	mg/L		0.2	SW846-6010B
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium	B	20.3	mg/L		1	SW846-6010B
Chromium	U	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	UX	0.02	mg/L		0.02	SW846-6020
Cobalt	U	0.001	mg/L		0.001	SW846-6020
Copper	U	0.02	mg/L		0.02	SW846-6020
Iron	BJ	0.128	mg/L		0.1	SW846-6010B
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		8.5	mg/L		0.02	SW846-6010B
Manganese	BU	0.005	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470A
Molybdenum	BX	0.00338	mg/L		0.001	SW846-6020
Nickel	U	0.005	mg/L		0.005	SW846-6020
Potassium	X	1.95	mg/L		0.2	SW846-6010B
Rhodium	BU	0.005	mg/L		0.005	SW846-6020
Selenium		0.00816	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium	BJ	34.6	mg/L		1	SW846-6010B
Tantalum	JU	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	BU	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.97	Inches/Hg			
<b>PHYSC</b>						
Conductivity		342	umho/cm			
Depth to Water		61.58	ft			
Dissolved Oxygen		4.45	mg/L			
Dissolved Solids	U	500	mg/L		500	EPA-160.1
pH		6.55	Std Unit			
Redox		391	mV			
Suspended Solids	U	50	mg/L		50	EPA-160.2
Temperature		67.6	deg F			
Turbidity		3.3	NTU			



## MW397

## 20920

## PPCB

PCB, Total	U	0.00018	mg/L		0.0002	SW846-8082
PCB-1016	U	0.00017	mg/L		0.0002	SW846-8082
PCB-1221	U	0.00018	mg/L		0.0002	SW846-8082
PCB-1232	U	0.00014	mg/L		0.0001	SW846-8082
PCB-1242	U	0.0001	mg/L		0.0001	SW846-8082
PCB-1248	U	0.00012	mg/L		0.0001	SW846-8082
PCB-1254	U	0.00007	mg/L		7E-05	SW846-8082
PCB-1260	U	0.00005	mg/L		5E-05	SW846-8082
PCB-1268	U	0.00009	mg/L		9E-05	SW846-8082

## RADS

Alpha activity	U	-0.901	pCi/L	1.04	2.81	SW846-9310
Beta activity		7.38	pCi/L	1.47	3.78	SW846-9310
Iodine-131	U	0.542	pCi/L	1.08	10.9	RL-7124
Radium-226	U	-0.0625	pCi/L	0.07	0.72	RL-7129
Strontium-90	U	0.226	pCi/L	0.03	1.91	RL-7140
Technetium-99	U	5.64	pCi/L	13.1	18.8	RL-7100
Thorium-230	U	0.0531	pCi/L	0.05	0.22	RL-7128
Tritium	U	10.6	pCi/L	162	271	704R7

## SVOA

1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260

## VOA

1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JUY	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	U	0.01	mg/L		0.01	SW846-8260
Acrolein	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260

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## MW397

### 20920

Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	U	0.005 mg/L	0.005	SW846-8260
Methylene chloride	U	0.005 mg/L	0.005	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Cyanide	JU	0.05 mg/L	0.05	SW846-9010-A
Iodide	BU	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.01 mg/L	0.01	SW846-9020B

# Paducah-OREIS Data Report

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**MW369**  
**20921**  
**MW369UG4-06**

Collected: 7/6/2006

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	2	mg/L		2	SW846-9056
Chloride		42	mg/L		2	SW846-9056
Fluoride		0.21	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		9.6	mg/L		2	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010B
Antimony	U	0.005	mg/L		0.005	SW846-6020
Arsenic		0.00554	mg/L		0.001	SW846-6020
Barium		0.408	mg/L		0.005	SW846-6020
Barium, Dissolved	X	0.408	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6010B
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		21.3	mg/L		1	SW846-6010B
Chromium	U	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	NU	0.02	mg/L		0.02	SW846-6020
Cobalt	BX	0.0631	mg/L		0.001	SW846-6020
Copper	BU	0.02	mg/L		0.02	SW846-6020
Iron		5.54	mg/L		0.1	SW846-6010B
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		9.1	mg/L		0.02	SW846-6010B
Manganese	X	0.568	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470A
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	X	0.0146	mg/L		0.005	SW846-6020
Potassium		0.778	mg/L		0.2	SW846-6010B
Rhodium	U	0.005	mg/L		0.005	SW846-6020
Selenium	U	0.005	mg/L		0.005	SW846-6020
Silver	U	0.001	mg/L		0.001	SW846-6020
Sodium	JX	56.6	mg/L		1	SW846-6010B
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	BU	0.002	mg/L		0.002	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		30.12	Inches/Hg			
<b>PHYSC</b>						
Conductivity		418	umho/cm			
Depth to Water		39.5	ft			
Dissolved Oxygen		2.98	mg/L			
Dissolved Solids	JU	500	mg/L		500	EPA-160.1
pH		6.28	Std Unit			
Redox		137	mV			
Suspended Solids	U	50	mg/L		50	EPA-160.2
Temperature		63.1	deg F			
Turbidity		10.2	NTU			

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## MW369

### 20921

#### RADS

Alpha activity	U	-0.528	pCi/L	0.61	3.82	SW846-9310
Beta activity	U	1.33	pCi/L	0.31	4.46	SW846-9310
Iodine-131	U	0.617	pCi/L	1.23	4.85	RL-7124
Radium-226	U	0.237	pCi/L	0.31	0.74	RL-7129
Strontium-90	U	0.5	pCi/L	0.07	1.62	RL-7140
Technetium-99	U	-0.878	pCi/L	13	19.1	RL-7100
Thorium-230	U	0.0491	pCi/L	0.06	0.22	RL-7128
Tritium	U	-150	pCi/L	130	224	704R7

#### SVOA

1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260

#### VOA

1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JUY	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	JU	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	JU	0.01	mg/L		0.01	SW846-8260
Acrolein	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260

# Paducah-OREIS Data Report

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## MW369

### 20921

Trichloroethene		0.002	mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01	mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002	mg/L	0.002	SW846-8260
<b>WETCHEM</b>					
Chemical Oxygen Demand (COD)	U	25	mg/L	25	EPA-410.4 1978
Cyanide	*JU	0.05	mg/L	0.05	SW846-9010-A
Iodide	U	2	mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		2.1	mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.0516	mg/L	0.01	SW846-9020B

### MW369UG4-06RE

Collected: 7/18/2006

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METEO</b>						
Barometric Pressure Reading		29.97	Inches/Hg			
<b>PHYSC</b>						
Conductivity		411	umho/cm			
Depth to Water		39.2	ft			
Dissolved Oxygen		1.24	mg/L			
pH		6.41	Std Unit			
Redox		110	mV			
Temperature		65.9	deg F			
Turbidity		4.6	NTU			
<b>PCCB</b>						
PCB, Total		0.00039	mg/L	0.0002		SW846-8082
PCB-1016	U	0.00017	mg/L	0.0002		SW846-8082
PCB-1221	U	0.00018	mg/L	0.0002		SW846-8082
PCB-1232	U	0.00014	mg/L	0.0001		SW846-8082
PCB-1242		0.00039	mg/L	0.0001		SW846-8082
PCB-1248	U	0.00012	mg/L	0.0001		SW846-8082
PCB-1254	U	0.00007	mg/L	7E-05		SW846-8082
PCB-1260	U	0.00005	mg/L	5E-05		SW846-8082
PCB-1268	U	0.00009	mg/L	9E-05		SW846-8082

# Paducah-OREIS Data Report

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**MW370**  
**20921**  
**MW370UG4-06**

Collected: 7/6/2006

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	2	mg/L		2	SW846-9056
Chloride		51	mg/L		5	SW846-9056
Fluoride		0.16	mg/L		0.1	9214
Nitrate as Nitrogen		1.3	mg/L		1	SW846-9056
Sulfate		16	mg/L		2	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010B
Antimony	U	0.005	mg/L		0.005	SW846-6020
Arsenic		0.00155	mg/L		0.001	SW846-6020
Barium		0.179	mg/L		0.005	SW846-6020
Barium, Dissolved	X	0.181	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6010B
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium	J	31.4	mg/L		1	SW846-6010B
Chromium	U	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	NU	0.02	mg/L		0.02	SW846-6020
Cobalt	BX	0.00201	mg/L		0.001	SW846-6020
Copper	BU	0.02	mg/L		0.02	SW846-6020
Iron	U	0.1	mg/L		0.1	SW846-6010B
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		12.6	mg/L		0.02	SW846-6010B
Manganese	X	0.00968	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470A
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	UX	0.005	mg/L		0.005	SW846-6020
Potassium	J	2.65	mg/L		0.2	SW846-6010B
Rhodium	U	0.005	mg/L		0.005	SW846-6020
Selenium	U	0.005	mg/L		0.005	SW846-6020
Silver	U	0.001	mg/L		0.001	SW846-6020
Sodium	JX	39.9	mg/L		1	SW846-6010B
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	BU	0.002	mg/L		0.002	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		30.12	Inches/Hg			
<b>PHYSC</b>						
Conductivity		424	umho/cm			
Depth to Water		40.32	ft			
Dissolved Oxygen		3.27	mg/L			
Dissolved Solids	JU	500	mg/L		500	EPA-160.1
pH		6.2	Std Unit			
Redox		293	mV			
Suspended Solids	U	50	mg/L		50	EPA-160.2
Temperature		62.9	deg F			
Turbidity		2.8	NTU			

**MW370****20921****RADS**

Alpha activity	U	1.21	pCi/L	0.69	3.39	SW846-9310
Beta activity		25.1	pCi/L	3.2	4.3	SW846-9310
Iodine-131	U	-1.5	pCi/L	2.99	18.4	RL-7124
Radium-226	U	0.333	pCi/L	0.3	0.72	RL-7129
Strontium-90	U	0.255	pCi/L	0.04	1.49	RL-7140
Technetium-99		36.1	pCi/L	14.3	19.1	RL-7100
Thorium-230	U	0.0775	pCi/L	0.06	0.21	RL-7128
Tritium	U	-41.8	pCi/L	132	223	704R7

**SVOA**

1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260

**VOA**

1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JUY	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	JU	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	JU	0.01	mg/L		0.01	SW846-8260
Acrolein	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260

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## MW370

### 20921

Trichloroethene		0.0054	mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01	mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002	mg/L	0.002	SW846-8260
<b>WETCHEM</b>					
Chemical Oxygen Demand (COD)	U	25	mg/L	25	EPA-410.4 1978
Cyanide	*JU	0.05	mg/L	0.05	SW846-9010-A
Iodide	U	2	mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1	mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.0144	mg/L	0.01	SW846-9020B

### MW370UG4-06RE

Collected: 7/18/2006

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METEO</b>						
Barometric Pressure Reading		29.97	Inches/Hg			
<b>PHYSC</b>						
Conductivity		418	umho/cm			
Depth to Water		40.1	ft			
Dissolved Oxygen		3.17	mg/L			
pH		6.2	Std Unit			
Redox		167	mV			
Temperature		66	deg F			
Turbidity		1.2	NTU			
<b>PCCB</b>						
PCB, Total	U	0.00018	mg/L	0.0002		SW846-8082
PCB-1016	U	0.00017	mg/L	0.0002		SW846-8082
PCB-1221	U	0.00018	mg/L	0.0002		SW846-8082
PCB-1232	U	0.00014	mg/L	0.0001		SW846-8082
PCB-1242	U	0.0001	mg/L	0.0001		SW846-8082
PCB-1248	U	0.00012	mg/L	0.0001		SW846-8082
PCB-1254	U	0.00007	mg/L	7E-05		SW846-8082
PCB-1260	U	0.00005	mg/L	5E-05		SW846-8082
PCB-1268	U	0.00009	mg/L	9E-05		SW846-8082



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**MW371**  
**20921**  
**MW371UG4-06**

Collected: 7/6/2006

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	2	mg/L		2	SW846-9056
Chloride		7.7	mg/L		2	SW846-9056
Fluoride		0.28	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		4.8	mg/L		2	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010B
Antimony	U	0.005	mg/L		0.005	SW846-6020
Arsenic	U	0.001	mg/L		0.001	SW846-6020
Barium		0.0924	mg/L		0.005	SW846-6020
Barium, Dissolved	X	0.0932	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6010B
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium	J	26.3	mg/L		1	SW846-6010B
Chromium	U	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	NU	0.02	mg/L		0.02	SW846-6020
Cobalt	BUX	0.001	mg/L		0.001	SW846-6020
Copper	BU	0.02	mg/L		0.02	SW846-6020
Iron	U	0.1	mg/L		0.1	SW846-6010B
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		10.7	mg/L		0.02	SW846-6010B
Manganese	UX	0.005	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470A
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	UX	0.005	mg/L		0.005	SW846-6020
Potassium	J	0.31	mg/L		0.2	SW846-6010B
Rhodium	U	0.005	mg/L		0.005	SW846-6020
Selenium	U	0.005	mg/L		0.005	SW846-6020
Silver	U	0.001	mg/L		0.001	SW846-6020
Sodium	JX	133	mg/L		1	SW846-6010B
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	BU	0.002	mg/L		0.002	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		30.12	Inches/Hg			
<b>PHYSC</b>						
Conductivity		626	umho/cm			
Depth to Water		23.54	ft			
Dissolved Oxygen		3.61	mg/L			
Dissolved Solids	JU	500	mg/L		500	EPA-160.1
pH		6.77	Std Unit			
Redox		274	mV			
Suspended Solids	U	50	mg/L		50	EPA-160.2
Temperature		64.5	deg F			
Turbidity		5	NTU			

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## 20921

## RADS

Alpha activity	U	-0.234	pCi/L	0.23	5.9	SW846-9310
Beta activity	U	1.16	pCi/L	0.28	4.93	SW846-9310
Iodine-131	U	-1.92	pCi/L	3.83	14.6	RL-7124
Radium-226	U	0.174	pCi/L	0.2	0.69	RL-7129
Strontium-90	U	0.712	pCi/L	0.1	1.68	RL-7140
Technetium-99	U	-8.49	pCi/L	12.7	19.1	RL-7100
Thorium-230	U	0.114	pCi/L	0.06	0.22	RL-7128
Tritium	U	58.1	pCi/L	138	228	704R7

## SVOA

1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260

## VOA

1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JUY	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	JU	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	JU	0.01	mg/L		0.01	SW846-8260
Acrolein	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260

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## MW371

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Trichloroethene	U	0.001	mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01	mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002	mg/L	0.002	SW846-8260
<b>WETCHEM</b>					
Chemical Oxygen Demand (COD)	U	25	mg/L	25	EPA-410.4 1978
Cyanide	*JU	0.05	mg/L	0.05	SW846-9010-A
Iodide	U	2	mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		1.8	mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.0236	mg/L	0.01	SW846-9020B

## MW371UG4-06RE

Collected: 7/18/2006

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METEO</b>						
Barometric Pressure Reading		29.97	Inches/Hg			
<b>PHYSC</b>						
Conductivity		625	umho/cm			
Depth to Water		22.93	ft			
Dissolved Oxygen		1.46	mg/L			
pH		6.81	Std Unit			
Redox		98	mV			
Temperature		65.9	deg F			
Turbidity		0.9	NTU			
<b>PCCB</b>						
PCB, Total	U	0.00018	mg/L	0.0002		SW846-8082
PCB-1016	U	0.00017	mg/L	0.0002		SW846-8082
PCB-1221	U	0.00018	mg/L	0.0002		SW846-8082
PCB-1232	U	0.00014	mg/L	0.0001		SW846-8082
PCB-1242	U	0.0001	mg/L	0.0001		SW846-8082
PCB-1248	U	0.00012	mg/L	0.0001		SW846-8082
PCB-1254	U	0.00007	mg/L	7E-05		SW846-8082
PCB-1260	U	0.00005	mg/L	5E-05		SW846-8082
PCB-1268	U	0.00009	mg/L	9E-05		SW846-8082

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**MW226**

**20922**

**MW226C4042-06**

Collected: 7/24/2006

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Arsenic		0.00149	mg/L		0.001	SW846-6020
Arsenic, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Cadmium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Chromium		0.131	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Lead	U	0.005	mg/L		0.005	SW846-6020
Lead, Dissolved	U	0.005	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470A
Mercury, Dissolved	U	0.0002	mg/L		0.0002	SW846-7470A
Selenium	B	0.00701	mg/L		0.005	SW846-6020
Selenium, Dissolved	U	0.005	mg/L		0.005	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.97	Inches/Hg			
<b>PHYSC</b>						
Conductivity		373	umho/cm			
Depth to Water		51.92	ft			
Dissolved Oxygen		0.92	mg/L			
pH		6.11	Std Unit			
Redox		199	mV			
Temperature		68.9	deg F			
Turbidity		43.3	NTU			
<b>RADS</b>						
Technetium-99		119	pCi/L	16.5	18.8	RL-7100
Uranium-234	U	1.07	pCi/L	0.41	3.29	RL-7128
Uranium-235	U	0.187	pCi/L	0.17	0.43	RL-7128
Uranium-238	U	0.282	pCi/L	0.19	1.1	RL-7128
<b>VOA</b>						
Trichloroethene	D	0.55	mg/L		0.005	SW846-8260

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**MW227**

**20922**

**MW227C4042-06**

Collected: 7/24/2006

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Arsenic		0.00102	mg/L		0.001	SW846-6020
Arsenic, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Cadmium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Chromium		0.0982	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Lead	U	0.005	mg/L		0.005	SW846-6020
Lead, Dissolved	U	0.005	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470A
Mercury, Dissolved	U	0.0002	mg/L		0.0002	SW846-7470A
Selenium	BU	0.005	mg/L		0.005	SW846-6020
Selenium, Dissolved	U	0.005	mg/L		0.005	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.97	Inches/Hg			
<b>PHYSC</b>						
Conductivity		245	umho/cm			
Depth to Water		52.14	ft			
Dissolved Oxygen		6.64	mg/L			
pH		6.46	Std Unit			
Redox		229	mV			
Temperature		68.3	deg F			
Turbidity		37	NTU			
<b>RADS</b>						
Technetium-99	U	4.11	pCi/L	13.1	18.8	RL-7100
Uranium-234	U	1.36	pCi/L	0.48	3.44	RL-7128
Uranium-235	U	0.263	pCi/L	0.25	0.54	RL-7128
Uranium-238	U	0.298	pCi/L	0.25	1.18	RL-7128
<b>VOA</b>						
Trichloroethene		0.061	mg/L		0.001	SW846-8260

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**MW84**

**20922**

**MW84C4042-06**

Collected: 7/19/2006

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Arsenic		0.00134	mg/L		0.001	SW846-6020
Arsenic, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Cadmium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Chromium	U	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Lead	U	0.005	mg/L		0.005	SW846-6020
Lead, Dissolved	U	0.005	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470A
Mercury, Dissolved	U	0.0002	mg/L		0.0002	SW846-7470A
Selenium	U	0.005	mg/L		0.005	SW846-6020
Selenium, Dissolved	U	0.005	mg/L		0.005	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.94	Inches/Hg			
<b>PHYSC</b>						
Conductivity		238	umho/cm			
Depth to Water		49.8	ft			
Dissolved Oxygen		2.29	mg/L			
pH		6.27	Std Unit			
Redox		229	mV			
Temperature		68.5	deg F			
Turbidity		0.4	NTU			
<b>RADS</b>						
Technetium-99	U	-0.231	pCi/L	11.1	18.8	RL-7100
Uranium-234	U	0.97	pCi/L	0.39	3.19	RL-7128
Uranium-235	U	0.219	pCi/L	0.18	0.43	RL-7128
Uranium-238	U	0.248	pCi/L	0.24	1.1	RL-7128
<b>VOA</b>						
Trichloroethene	D	0.37	mg/L		0.005	SW846-8260

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**MW85**

**20922**

**MW85C4042-06**

Collected: 7/19/2006

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Arsenic		0.0114	mg/L		0.001	SW846-6020
Arsenic, Dissolved		0.0111	mg/L		0.001	SW846-6020
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Cadmium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Chromium	U	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Lead	U	0.005	mg/L		0.005	SW846-6020
Lead, Dissolved	U	0.005	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470A
Mercury, Dissolved	U	0.0002	mg/L		0.0002	SW846-7470A
Selenium	BU	0.005	mg/L		0.005	SW846-6020
Selenium, Dissolved	U	0.005	mg/L		0.005	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.94	Inches/Hg			
<b>PHYSC</b>						
Conductivity		413	umho/cm			
Depth to Water		13.31	ft			
Dissolved Oxygen		3.68	mg/L			
pH		6.61	Std Unit			
Redox		232	mV			
Temperature		69.2	deg F			
Turbidity		6	NTU			
<b>RADS</b>						
Technetium-99		161	pCi/L	17.5	18.8	RL-7100
Uranium-234	U	0.544	pCi/L	0.3	3.43	RL-7128
Uranium-235	U	0.145	pCi/L	0.18	0.73	RL-7128
Uranium-238	U	0.543	pCi/L	0.27	1.33	RL-7128
<b>VOA</b>						
Trichloroethene	U	0.001	mg/L		0.001	SW846-8260

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**MW85**

**20922**

**MW85DC4042-06**

Collected: 7/19/2006

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Arsenic		0.0115	mg/L		0.001	SW846-6020
Arsenic, Dissolved		0.0118	mg/L		0.001	SW846-6020
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Cadmium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Chromium	U	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Lead	U	0.005	mg/L		0.005	SW846-6020
Lead, Dissolved	U	0.005	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470A
Mercury, Dissolved	U	0.0002	mg/L		0.0002	SW846-7470A
Selenium	BU	0.005	mg/L		0.005	SW846-6020
Selenium, Dissolved	U	0.005	mg/L		0.005	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.94	Inches/Hg			
<b>PHYSC</b>						
Conductivity		413	umho/cm			
Depth to Water		13.31	ft			
Dissolved Oxygen		3.68	mg/L			
pH		6.61	Std Unit			
Redox		232	mV			
Temperature		69.2	deg F			
Turbidity		6	NTU			
<b>RADS</b>						
Technetium-99		165	pCi/L	17.7	18.8	RL-7100
Uranium-234	U	1.36	pCi/L	0.47	3.21	RL-7128
Uranium-235	U	0.0803	pCi/L	0.12	0.49	RL-7128
Uranium-238	U	0.489	pCi/L	0.29	1.12	RL-7128
<b>VOA</b>						
Trichloroethene	U	0.001	mg/L		0.001	SW846-8260



# Paducah-OREIS Data Report

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**MW86**

**20922**

**MW86C4042-06**

Collected: 7/19/2006

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Arsenic		0.00394	mg/L		0.001	SW846-6020
Arsenic, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Cadmium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Chromium	U	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Lead	U	0.005	mg/L		0.005	SW846-6020
Lead, Dissolved	U	0.005	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470A
Mercury, Dissolved	U	0.0002	mg/L		0.0002	SW846-7470A
Selenium	BU	0.005	mg/L		0.005	SW846-6020
Selenium, Dissolved	U	0.005	mg/L		0.005	SW846-6020
Uranium		0.00168	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.94	Inches/Hg			
<b>PHYSC</b>						
Conductivity		236	umho/cm			
Depth to Water		49.74	ft			
Dissolved Oxygen		1.64	mg/L			
pH		6.21	Std Unit			
Redox		207	mV			
Temperature		68.6	deg F			
Turbidity		124	NTU			
<b>RADS</b>						
Technetium-99	U	3.64	pCi/L	13	18.8	RL-7100
Uranium-234	U	0.816	pCi/L	0.38	3.2	RL-7128
Uranium-235	U	0.265	pCi/L	0.22	0.44	RL-7128
Uranium-238	U	0.599	pCi/L	0.34	1.14	RL-7128
<b>VOA</b>						
Trichloroethene	D	0.3	mg/L		0.005	SW846-8260

# Paducah-OREIS Data Report

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**MW87**

**20922**

**MW87C4042-06**

Collected: 7/24/2006

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Arsenic	U	0.001	mg/L		0.001	SW846-6020
Arsenic, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Cadmium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Chromium	U	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Lead	U	0.005	mg/L		0.005	SW846-6020
Lead, Dissolved	U	0.005	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470A
Mercury, Dissolved	U	0.0002	mg/L		0.0002	SW846-7470A
Selenium	BU	0.005	mg/L		0.005	SW846-6020
Selenium, Dissolved	U	0.005	mg/L		0.005	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.97	Inches/Hg			
<b>PHYSC</b>						
Conductivity		263	umho/cm			
Depth to Water		50.8	ft			
Dissolved Oxygen		2.4	mg/L			
pH		6.47	Std Unit			
Redox		152	mV			
Temperature		64	deg F			
Turbidity		11.3	NTU			
<b>RADS</b>						
Technetium-99	U	5.32	pCi/L	13.1	18.8	RL-7100
Uranium-234	U	1.06	pCi/L	0.45	3.21	RL-7128
Uranium-235	U	0.0791	pCi/L	0.16	0.47	RL-7128
Uranium-238	U	0.396	pCi/L	0.25	1.1	RL-7128
<b>VOA</b>						
Trichloroethene		0.072	mg/L		0.001	SW846-8260

# Paducah-OREIS Data Report

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**MW88**

**20922**

**MW88C4042-06**

Collected: 7/24/2006

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Arsenic	U	0.01	mg/L		0.01	SW846-6020
Arsenic, Dissolved		0.00242	mg/L		0.001	SW846-6020
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Cadmium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Chromium	U	0.2	mg/L		0.2	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Lead	U	0.005	mg/L		0.005	SW846-6020
Lead, Dissolved	U	0.005	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470A
Mercury, Dissolved	U	0.0002	mg/L		0.0002	SW846-7470A
Selenium	BU	0.005	mg/L		0.005	SW846-6020
Selenium, Dissolved	U	0.005	mg/L		0.005	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.97	Inches/Hg			
<b>PHYSC</b>						
Conductivity		559	umho/cm			
Depth to Water		15.15	ft			
Dissolved Oxygen		1.5	mg/L			
pH		5.94	Std Unit			
Redox		227	mV			
Temperature		68.2	deg F			
Turbidity		27.9	NTU			
<b>RADS</b>						
Technetium-99		30.1	pCi/L	13.9	18.8	RL-7100
Uranium-234	U	0.979	pCi/L	0.39	3.2	RL-7128
Uranium-235	U	0.0735	pCi/L	0.15	0.45	RL-7128
Uranium-238	U	0.215	pCi/L	0.17	1.09	RL-7128
<b>VOA</b>						
Trichloroethene		0.0022	mg/L		0.001	SW846-8260

# Paducah-OREIS Data Report

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**MW89**

**20922**

**MW89C4042-06**

Collected: 7/24/2006

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Arsenic	U	0.001	mg/L		0.001	SW846-6020
Arsenic, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Cadmium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Chromium	U	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Lead	U	0.005	mg/L		0.005	SW846-6020
Lead, Dissolved	U	0.005	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470A
Mercury, Dissolved	U	0.0002	mg/L		0.0002	SW846-7470A
Selenium	BU	0.005	mg/L		0.005	SW846-6020
Selenium, Dissolved	U	0.005	mg/L		0.005	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.97	Inches/Hg			
<b>PHYSC</b>						
Conductivity		187	umho/cm			
Depth to Water		52.3	ft			
Dissolved Oxygen		2	mg/L			
pH		6.22	Std Unit			
Redox		208	mV			
Temperature		65.2	deg F			
Turbidity		10.4	NTU			
<b>RADS</b>						
Technetium-99	U	3.41	pCi/L	13.1	18.8	RL-7100
Uranium-234	U	0.871	pCi/L	0.36	3.39	RL-7128
Uranium-235	U	0.0368	pCi/L	0.08	0.46	RL-7128
Uranium-238	U	0.0668	pCi/L	0.18	1.1	RL-7128
<b>VOA</b>						
Trichloroethene	U	0.001	mg/L		0.001	SW846-8260

# Paducah-OREIS Data Report

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**MW90A**

**20922**

**MW90AC4042-06**

Collected: 7/20/2006

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Arsenic	U	0.001	mg/L		0.001	SW846-6020
Arsenic, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Cadmium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Chromium	U	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Lead	U	0.005	mg/L		0.005	SW846-6020
Lead, Dissolved	U	0.005	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470A
Mercury, Dissolved	U	0.0002	mg/L		0.0002	SW846-7470A
Selenium	BU	0.005	mg/L		0.005	SW846-6020
Selenium, Dissolved	U	0.005	mg/L		0.005	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.97	Inches/Hg			
<b>PHYSC</b>						
Conductivity		279	umho/cm			
Depth to Water		48.24	ft			
Dissolved Oxygen		1.99	mg/L			
pH		6.39	Std Unit			
Redox		95	mV			
Temperature		67.3	deg F			
Turbidity		3.5	NTU			
<b>RADS</b>						
Technetium-99	U	8.56	pCi/L	13.2	18.8	RL-7100
Uranium-234	U	0.468	pCi/L	0.35	3.22	RL-7128
Uranium-235	U	0.0797	pCi/L	0.16	0.47	RL-7128
Uranium-238	U	0.0406	pCi/L	0.13	1.11	RL-7128
<b>VOA</b>						
Trichloroethene		0.001	mg/L		0.001	SW846-8260

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**MW91**

**20922**

**MW91C4042-06**

Collected: 7/20/2006

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Arsenic		0.00333	mg/L		0.001	SW846-6020
Arsenic, Dissolved		0.00164	mg/L		0.001	SW846-6020
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Cadmium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Chromium		0.127	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Lead	U	0.005	mg/L		0.005	SW846-6020
Lead, Dissolved	U	0.005	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470A
Mercury, Dissolved	U	0.0002	mg/L		0.0002	SW846-7470A
Selenium	B	0.0139	mg/L		0.005	SW846-6020
Selenium, Dissolved	U	0.005	mg/L		0.005	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.97	Inches/Hg			
<b>PHYSC</b>						
Conductivity		478	umho/cm			
Depth to Water		12.09	ft			
Dissolved Oxygen		2.83	mg/L			
pH		5.88	Std Unit			
Redox		247	mV			
Temperature		70.2	deg F			
Turbidity		57.4	NTU			
<b>RADS</b>						
Technetium-99		865	pCi/L	30.5	18.8	RL-7100
Uranium-234	U	1.67	pCi/L	0.5	3.22	RL-7128
Uranium-235	U	0.162	pCi/L	0.22	0.45	RL-7128
Uranium-238	U	0.0796	pCi/L	0.21	1.12	RL-7128
<b>VOA</b>						
Trichloroethene		0.071	mg/L		0.001	SW846-8260

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**MW92**

**20922**

**MW92C4042-06**

Collected: 7/20/2006

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Arsenic	U	0.001	mg/L		0.001	SW846-6020
Arsenic, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Cadmium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Chromium	U	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Lead	U	0.005	mg/L		0.005	SW846-6020
Lead, Dissolved	U	0.005	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470A
Mercury, Dissolved	U	0.0002	mg/L		0.0002	SW846-7470A
Selenium	BU	0.005	mg/L		0.005	SW846-6020
Selenium, Dissolved	U	0.005	mg/L		0.005	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.97	Inches/Hg			
<b>PHYSC</b>						
Conductivity		145	umho/cm			
Depth to Water		48.5	ft			
Dissolved Oxygen		1.27	mg/L			
pH		5.89	Std Unit			
Redox		235	mV			
Temperature		66	deg F			
Turbidity		13.6	NTU			
<b>RADS</b>						
Technetium-99	U	-1.45	pCi/L	12.6	18.8	RL-7100
Uranium-234	U	0.126	pCi/L	0.22	3.19	RL-7128
Uranium-235	U	0.0717	pCi/L	0.14	0.43	RL-7128
Uranium-238	U	0.0946	pCi/L	0.14	1.1	RL-7128
<b>VOA</b>						
Trichloroethene	U	0.001	mg/L		0.001	SW846-8260

# Paducah-OREIS Data Report

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**MW93**

**20922**

**MW93C4042-06**

Collected: 7/24/2006

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Arsenic		0.00126	mg/L		0.001	SW846-6020
Arsenic, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Cadmium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Chromium	U	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Lead	U	0.005	mg/L		0.005	SW846-6020
Lead, Dissolved	U	0.005	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470A
Mercury, Dissolved	U	0.0002	mg/L		0.0002	SW846-7470A
Selenium	BU	0.005	mg/L		0.005	SW846-6020
Selenium, Dissolved	U	0.005	mg/L		0.005	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.97	Inches/Hg			
<b>PHYSC</b>						
Conductivity		245	umho/cm			
Depth to Water		53.2	ft			
Dissolved Oxygen		1.55	mg/L			
pH		6.15	Std Unit			
Redox		214	mV			
Temperature		68.3	deg F			
Turbidity		3.3	NTU			
<b>RADS</b>						
Technetium-99	U	2.08	pCi/L	12.8	18.8	RL-7100
Uranium-234	U	0.634	pCi/L	0.34	3.2	RL-7128
Uranium-235	U	0.0665	pCi/L	0.1	0.43	RL-7128
Uranium-238	U	0.0884	pCi/L	0.14	1.09	RL-7128
<b>VOA</b>						
Trichloroethene	D	0.39	mg/L		0.005	SW846-8260



# Paducah-OREIS Data Report

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**MW94**

**20922**

**MW94C4042-06**

Collected: 7/20/2006

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>METAL</b>						
Arsenic	U	0.01	mg/L		0.01	SW846-6020
Arsenic, Dissolved		0.00159	mg/L		0.001	SW846-6020
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Cadmium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Chromium	U	0.2	mg/L		0.2	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Lead		0.00539	mg/L		0.005	SW846-6020
Lead, Dissolved	U	0.005	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470A
Mercury, Dissolved	U	0.0002	mg/L		0.0002	SW846-7470A
Selenium	B	0.00702	mg/L		0.005	SW846-6020
Selenium, Dissolved	U	0.005	mg/L		0.005	SW846-6020
Uranium		0.00433	mg/L		0.001	SW846-6020
Uranium, Dissolved		0.00366	mg/L		0.001	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.97	Inches/Hg			
<b>PHYSC</b>						
Conductivity		1115	umho/cm			
Depth to Water		15.34	ft			
Dissolved Oxygen		1.19	mg/L			
pH		6.44	Std Unit			
Redox		180	mV			
Temperature		69	deg F			
Turbidity		189	NTU			
<b>RADS</b>						
Technetium-99		273	pCi/L	20.2	18.8	RL-7100
Uranium-234	U	1.82	pCi/L	0.51	3.2	RL-7128
Uranium-235	U	0.182	pCi/L	0.16	0.44	RL-7128
Uranium-238		1.39	pCi/L	0.42	1.09	RL-7128
<b>VOA</b>						
Trichloroethene		0.0074	mg/L		0.001	SW846-8260

# Paducah-OREIS Data Report

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12/18/2007

**MW95A**

**20922**

**MW95AC4042-06**

Collected: 7/20/2006

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Arsenic		0.00103	mg/L		0.001	SW846-6020
Arsenic, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Cadmium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Chromium	U	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Lead	U	0.005	mg/L		0.005	SW846-6020
Lead, Dissolved	U	0.005	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470A
Mercury, Dissolved	U	0.0002	mg/L		0.0002	SW846-7470A
Selenium	BU	0.005	mg/L		0.005	SW846-6020
Selenium, Dissolved	U	0.005	mg/L		0.005	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.97	Inches/Hg			
<b>PHYSC</b>						
Conductivity		246	umho/cm			
Depth to Water		50.72	ft			
Dissolved Oxygen		1.13	mg/L			
pH		6.21	Std Unit			
Redox		240	mV			
Temperature		69	deg F			
Turbidity		0	NTU			
<b>RADS</b>						
Technetium-99	U	13.9	pCi/L	13.4	18.8	RL-7100
Uranium-234		55.4	pCi/L	2.57	3.19	RL-7128
Uranium-235		3.21	pCi/L	0.68	0.45	RL-7128
Uranium-238		7.85	pCi/L	0.96	1.09	RL-7128
<b>VOA</b>						
Trichloroethene	D	0.29	mg/L		0.005	SW846-8260

# Paducah-OREIS Data Report

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**MW220**

**20973**

**110601**

Collected: 11/2/2006

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METEO</b>						
Barometric Pressure Reading		29.8	Inches/Hg			
<b>PHYSC</b>						
Conductivity		331	umho/cm			
Depth to Water		54.7	ft			
Dissolved Oxygen		10.31	mg/L			
pH		6.16	Std Unit			
Temperature		60.62	deg F			
Turbidity		68	NTU			
<b>PCCB</b>						
PCB-1016	U	0.001	mg/L		0.001	SW846-8082
PCB-1221	U	0.001	mg/L		0.001	SW846-8082
PCB-1232	U	0.001	mg/L		0.001	SW846-8082
PCB-1242	U	0.001	mg/L		0.001	SW846-8082
PCB-1248	U	0.001	mg/L		0.001	SW846-8082
PCB-1254	U	0.001	mg/L		0.001	SW846-8082
PCB-1260	U	0.001	mg/L		0.001	SW846-8082
PCB-1262	U	0.001	mg/L		0.001	SW846-8082
PCB-1268	U	0.001	mg/L		0.001	SW846-8082

# Paducah-OREIS Data Report

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**MW221**

**20973**

**110602**

Collected: 11/2/2006

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METEO</b>						
Barometric Pressure Reading		29.8	Inches/Hg			
<b>PHYSC</b>						
Conductivity		364	umho/cm			
Depth to Water		67	ft			
Dissolved Oxygen		10.27	mg/L			
pH		6.47	Std Unit			
Temperature		59.54	deg F			
Turbidity		55	NTU			
<b>PCCB</b>						
PCB-1016	U	0.001	mg/L		0.001	SW846-8082
PCB-1221	U	0.001	mg/L		0.001	SW846-8082
PCB-1232	U	0.001	mg/L		0.001	SW846-8082
PCB-1242	U	0.001	mg/L		0.001	SW846-8082
PCB-1248	U	0.001	mg/L		0.001	SW846-8082
PCB-1254	U	0.001	mg/L		0.001	SW846-8082
PCB-1260	U	0.001	mg/L		0.001	SW846-8082
PCB-1262	U	0.001	mg/L		0.001	SW846-8082
PCB-1268	U	0.001	mg/L		0.001	SW846-8082

# Paducah-OREIS Data Report

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**MW369**

**20974**

**100607**

Collected: 10/18/2006

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METEO</b>						
Barometric Pressure Reading		29.88	Inches/Hg			
<b>PHYSC</b>						
Conductivity		415	umho/cm			
Depth to Water		40.21	ft			
Dissolved Oxygen		1.94	mg/L			
pH		6.3	Std Unit			
Redox		103	mV			
Temperature		62.6	deg F			
Turbidity		3.7	NTU			
<b>PCCB</b>						
PCB-1016	U	0.001	mg/L		0.001	SW846-8082
PCB-1221	U	0.001	mg/L		0.001	SW846-8082
PCB-1232	U	0.001	mg/L		0.001	SW846-8082
PCB-1242	U	0.001	mg/L		0.001	SW846-8082
PCB-1248	U	0.001	mg/L		0.001	SW846-8082
PCB-1254	U	0.001	mg/L		0.001	SW846-8082
PCB-1260	U	0.001	mg/L		0.001	SW846-8082
PCB-1262	U	0.001	mg/L		0.001	SW846-8082
PCB-1268	U	0.001	mg/L		0.001	SW846-8082

# Paducah-OREIS Data Report

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**MW222**

**20976**

**110603**

Collected: 11/8/2006

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METEO</b>						
Barometric Pressure Reading		29.25	Inches/Hg			
<b>PHYSC</b>						
Conductivity		390	umho/cm			
Depth to Water		70.1	ft			
Dissolved Oxygen		10.81	mg/L			
pH		6.39	Std Unit			
Temperature		63.5	deg F			
Turbidity		5	NTU			
<b>PCCB</b>						
PCB-1016	U	0.001	mg/L		0.001	SW846-8082
PCB-1221	U	0.001	mg/L		0.001	SW846-8082
PCB-1232	U	0.001	mg/L		0.001	SW846-8082
PCB-1242	U	0.001	mg/L		0.001	SW846-8082
PCB-1248	U	0.001	mg/L		0.001	SW846-8082
PCB-1254	U	0.001	mg/L		0.001	SW846-8082
PCB-1260	U	0.001	mg/L		0.001	SW846-8082
PCB-1262	U	0.001	mg/L		0.001	SW846-8082
PCB-1268	U	0.001	mg/L		0.001	SW846-8082

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**MW223**

**20976**

**110604**

Collected: 11/8/2006

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METEO</b>						
Barometric Pressure Reading		29.25	Inches/Hg			
<b>PHYSC</b>						
Conductivity		392	umho/cm			
Depth to Water		69.2	ft			
Dissolved Oxygen		11.47	mg/L			
pH		6.39	Std Unit			
Temperature		65.12	deg F			
Turbidity		59	NTU			
<b>PCCB</b>						
PCB-1016	U	0.001	mg/L		0.001	SW846-8082
PCB-1221	U	0.001	mg/L		0.001	SW846-8082
PCB-1232	U	0.001	mg/L		0.001	SW846-8082
PCB-1242	U	0.001	mg/L		0.001	SW846-8082
PCB-1248	U	0.001	mg/L		0.001	SW846-8082
PCB-1254	U	0.001	mg/L		0.001	SW846-8082
PCB-1260	U	0.001	mg/L		0.001	SW846-8082
PCB-1262	U	0.001	mg/L		0.001	SW846-8082
PCB-1268	U	0.001	mg/L		0.001	SW846-8082

# Paducah-OREIS Data Report

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**MW220**  
**20992**  
**MW220SG1-07**

Collected: 10/9/2006

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	2	mg/L		2	SW846-9056
Chloride		31	mg/L		2	SW846-9056
Fluoride		0.18	mg/L		0.1	9214
Nitrate as Nitrogen		1.4	mg/L		1	SW846-9056
Sulfate		11	mg/L		2	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010B
Antimony	U	0.005	mg/L		0.005	SW846-6020
Arsenic	U	0.001	mg/L		0.001	SW846-6020
Barium	X	0.211	mg/L		0.005	SW846-6020
Barium, Dissolved		0.211	mg/L		0.005	SW846-6020
Beryllium	BU	0.001	mg/L		0.001	SW846-6020
Boron	BU	0.2	mg/L		0.2	SW846-6010B
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		19.4	mg/L		1	SW846-6010B
Chromium	U	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Cobalt		0.00419	mg/L		0.001	SW846-6020
Copper	BU	0.02	mg/L		0.02	SW846-6020
Iron		0.157	mg/L		0.1	SW846-6010B
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		7.89	mg/L		0.025	SW846-6010B
Manganese	NX	0.0429	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470A
Molybdenum		0.00167	mg/L		0.001	SW846-6020
Nickel		0.226	mg/L		0.005	SW846-6020
Potassium	X	3.19	mg/L		0.2	SW846-6010B
Rhodium	U	0.005	mg/L		0.005	SW846-6020
Selenium	U	0.005	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		34.2	mg/L		1	SW846-6010B
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	BU	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		30.18	Inches/Hg			
<b>PHYSC</b>						
Conductivity		329	umho/cm			
Depth to Water		56.98	ft			
Dissolved Oxygen		4.03	mg/L			
Dissolved Solids		191	mg/L		40	EPA-160.1
pH		6.2	Std Unit			
Redox		233	mV			
Suspended Solids	U	40	mg/L		40	EPA-160.2
Temperature		63.1	deg F			
Turbidity		0	NTU			



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## MW220

### 20992

#### RADS

Alpha activity	U	1.4	pCi/L	0.806	3.57	SW846-9310
Beta activity		15.3	pCi/L	2.33	4.38	SW846-9310
Iodine-131	U	0.12	pCi/L	0.239	14.9	RL-7124
Radium-226	U	0.033	pCi/L	0.0829	0.33	RL-7129
Strontium-90	U	-0.395	pCi/L	0.0642	1.71	RL-7140
Technetium-99		28.2	pCi/L	13	17.8	RL-7100
Thorium-230	U	-0.0394	pCi/L	0.0034	0.227	RL-7128
Tritium	U	-5.06	pCi/L	167	278	704R8

#### SVOA

1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260

#### VOA

1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JU	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	JU	0.01	mg/L		0.01	SW846-8260
Acrolein	U	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260

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## MW220

### 20992

Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Cyanide	JU	0.05 mg/L	0.05	SW846-9010B
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.01 mg/L	0.01	SW846-9020B

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# Paducah-OREIS Data Report

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**MW221**

**20992**

**MW221SG1-07**

Collected: 10/5/2006

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	2	mg/L		2	SW846-9056
Chloride		40	mg/L		2	SW846-9056
Fluoride		0.19	mg/L		0.1	9214
Nitrate as Nitrogen		2.1	mg/L		1	SW846-9056
Sulfate		13	mg/L		2	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010B
Antimony	U	0.005	mg/L		0.005	SW846-6020
Arsenic	U	0.001	mg/L		0.001	SW846-6020
Barium	X	0.231	mg/L		0.005	SW846-6020
Barium, Dissolved		0.221	mg/L		0.005	SW846-6020
Beryllium	BU	0.001	mg/L		0.001	SW846-6020
Boron	BU	0.2	mg/L		0.2	SW846-6010B
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		20.9	mg/L		1	SW846-6010B
Chromium	U	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Cobalt	BU	0.001	mg/L		0.001	SW846-6020
Copper	BU	0.02	mg/L		0.02	SW846-6020
Iron	BU	0.1	mg/L		0.1	SW846-6010B
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		9.02	mg/L		0.025	SW846-6010B
Manganese	NUX	0.005	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470A
Molybdenum		0.00105	mg/L		0.001	SW846-6020
Nickel		0.00619	mg/L		0.005	SW846-6020
Potassium	X	1.66	mg/L		0.2	SW846-6010B
Rhodium	U	0.005	mg/L		0.005	SW846-6020
Selenium	U	0.005	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		42.8	mg/L		1	SW846-6010B
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	BU	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		30.12	Inches/Hg			
<b>PHYSC</b>						
Conductivity		389	umho/cm			
Depth to Water		67.66	ft			
Dissolved Oxygen		4.35	mg/L			
Dissolved Solids		211	mg/L		40	EPA-160.1
pH		6.12	Std Unit			
Redox		226	mV			
Suspended Solids	U	40	mg/L		40	EPA-160.2
Temperature		62.1	deg F			
Turbidity		9.8	NTU			

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## MW221

### 20992

#### RADS

Alpha activity	U	0.177	pCi/L	0.144	3.93	SW846-9310
Beta activity		4.88	pCi/L	0.995	4.51	SW846-9310
Iodine-131	U	-6.63	pCi/L	13.3	13.6	RL-7124
Radium-226	U	0.0258	pCi/L	0.0686	0.283	RL-7129
Strontium-90	U	-0.0953	pCi/L	0.0146	1.51	RL-7140
Technetium-99		19	pCi/L	12.9	17.8	RL-7100
Thorium-230	U	-0.0116	pCi/L	0.0486	0.227	RL-7128
Tritium	U	-108	pCi/L	161	272	704R8

#### SVOA

1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260

#### VOA

1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	JU	0.01	mg/L		0.01	SW846-8260
Acrolein	U	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260

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## MW221

### 20992

Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Cyanide	JU	0.05 mg/L	0.05	SW846-9010B
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.01 mg/L	0.01	SW846-9020B

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# Paducah-OREIS Data Report

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**MW222**

**20992**

**MW222SG1-07**

Collected: 10/3/2006

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	2	mg/L		2	SW846-9056
Chloride		38	mg/L		2	SW846-9056
Fluoride		0.28	mg/L		0.1	9214
Nitrate as Nitrogen		1.1	mg/L		1	SW846-9056
Sulfate		12	mg/L		2	SW846-9056
<b>METAL</b>						
Aluminum		2.48	mg/L		0.2	SW846-6010B
Antimony	U	0.005	mg/L		0.005	SW846-6020
Arsenic		0.0015	mg/L		0.001	SW846-6020
Barium	X	0.433	mg/L		0.005	SW846-6020
Barium, Dissolved		0.404	mg/L		0.005	SW846-6020
Beryllium	BU	0.001	mg/L		0.001	SW846-6020
Boron	BU	0.2	mg/L		0.2	SW846-6010B
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		18.6	mg/L		1	SW846-6010B
Chromium	U	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Cobalt		0.00837	mg/L		0.001	SW846-6020
Copper	BU	0.02	mg/L		0.02	SW846-6020
Iron		1.83	mg/L		0.1	SW846-6010B
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		8.4	mg/L		0.025	SW846-6010B
Manganese	NX	0.0791	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470A
Molybdenum	U	0.001	mg/L		0.001	SW846-6020
Nickel		0.014	mg/L		0.005	SW846-6020
Potassium	X	0.766	mg/L		0.2	SW846-6010B
Rhodium	U	0.005	mg/L		0.005	SW846-6020
Selenium	U	0.005	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		45	mg/L		1	SW846-6010B
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	BU	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	BU	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		30.15	Inches/Hg			
<b>PHYSC</b>						
Conductivity		353	umho/cm			
Depth to Water		70.67	ft			
Dissolved Oxygen		1.39	mg/L			
Dissolved Solids	J	237	mg/L		40	EPA-160.1
pH		6.04	Std Unit			
Redox		258	mV			
Suspended Solids	U	40	mg/L		40	EPA-160.2
Temperature		64.1	deg F			
Turbidity		24.1	NTU			

# Paducah-OREIS Data Report

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## MW222

### 20992

#### RADS

Alpha activity	U	0.992	pCi/L	0.701	3.83	SW846-9310
Beta activity	U	3.29	pCi/L	0.714	4.48	SW846-9310
Iodine-131	U	1.57	pCi/L	3.15	17.7	RL-7124
Radium-226	U	0.0267	pCi/L	0.0703	0.307	RL-7129
Strontium-90	U	-0.303	pCi/L	0.0479	1.89	RL-7140
Technetium-99	U	8.09	pCi/L	12.2	17.4	RL-7100
Thorium-230	U	0.0265	pCi/L	0.0499	0.224	RL-7128
Tritium	U	-25.5	pCi/L	163	272	704R8

#### SVOA

1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260

#### VOA

1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JU	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	JU	0.01	mg/L		0.01	SW846-8260
Acetone	U	0.01	mg/L		0.01	SW846-8260
Acrolein	U	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	JU	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	JU	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260

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## MW222

### 20992

Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Cyanide	JU	0.05 mg/L	0.05	SW846-9010B
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.0108 mg/L	0.01	SW846-9020B

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# Paducah-OREIS Data Report

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**MW222**  
**20992**  
**MW222DSG1-07**

Collected: 10/3/2006

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	2	mg/L		2	SW846-9056
Chloride		38	mg/L		2	SW846-9056
Fluoride		0.28	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		12	mg/L		2	SW846-9056
<b>METAL</b>						
Aluminum		1.32	mg/L		0.2	SW846-6010B
Antimony	U	0.005	mg/L		0.005	SW846-6020
Arsenic	U	0.001	mg/L		0.001	SW846-6020
Barium	X	0.167	mg/L		0.005	SW846-6020
Barium, Dissolved		0.399	mg/L		0.005	SW846-6020
Beryllium	BU	0.001	mg/L		0.001	SW846-6020
Boron	BU	0.2	mg/L		0.2	SW846-6010B
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		6.85	mg/L		1	SW846-6010B
Chromium	U	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Cobalt		0.00408	mg/L		0.001	SW846-6020
Copper	BU	0.02	mg/L		0.02	SW846-6020
Iron		0.981	mg/L		0.1	SW846-6010B
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		3.09	mg/L		0.025	SW846-6010B
Manganese	NX	0.0372	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470A
Molybdenum	U	0.001	mg/L		0.001	SW846-6020
Nickel		0.00651	mg/L		0.005	SW846-6020
Potassium	X	0.303	mg/L		0.2	SW846-6010B
Rhodium	U	0.005	mg/L		0.005	SW846-6020
Selenium	U	0.005	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		16.6	mg/L		1	SW846-6010B
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	BU	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	BU	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		30.15	Inches/Hg			
<b>PHYSC</b>						
Conductivity		353	umho/cm			
Depth to Water		70.67	ft			
Dissolved Oxygen		1.39	mg/L			
Dissolved Solids	J	249	mg/L		40	EPA-160.1
pH		6.04	Std Unit			
Redox		258	mV			
Suspended Solids	U	40	mg/L		40	EPA-160.2
Temperature		64.1	deg F			
Turbidity		24.1	NTU			

# Paducah-OREIS Data Report

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12/18/2007

## MW222

### 20992

#### RADS

Alpha activity	U	0.233	pCi/L	0.19	3.66	SW846-9310
Beta activity	U	3.8	pCi/L	0.806	4.42	SW846-9310
Iodine-131	U	-1.38	pCi/L	2.76	6.43	RL-7124
Radium-226	U	-0.0239	pCi/L	0.0218	0.305	RL-7129
Strontium-90	U	-0.149	pCi/L	0.023	1.99	RL-7140
Technetium-99	U	1.71	pCi/L	12	17.4	RL-7100
Thorium-230	U	0.0283	pCi/L	0.0585	0.239	RL-7128
Tritium	U	-47.2	pCi/L	165	276	704R8

#### SVOA

1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260

#### VOA

1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JU	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	JU	0.01	mg/L		0.01	SW846-8260
Acetone	U	0.01	mg/L		0.01	SW846-8260
Acrolein	U	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	JU	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	JU	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260

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## MW222

### 20992

Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Cyanide	JU	0.05 mg/L	0.05	SW846-9010B
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.01 mg/L	0.01	SW846-9020B

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**MW223**  
**20992**  
**MW223SG1-07**

Collected: 10/5/2006

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	2	mg/L		2	SW846-9056
Chloride		36	mg/L		2	SW846-9056
Fluoride		0.21	mg/L		0.1	9214
Nitrate as Nitrogen		1.2	mg/L		1	SW846-9056
Sulfate		11	mg/L		2	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010B
Antimony	U	0.005	mg/L		0.005	SW846-6020
Arsenic	U	0.001	mg/L		0.001	SW846-6020
Barium	X	0.167	mg/L		0.005	SW846-6020
Barium, Dissolved		0.279	mg/L		0.005	SW846-6020
Beryllium	BU	0.001	mg/L		0.001	SW846-6020
Boron	BU	0.2	mg/L		0.2	SW846-6010B
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		12.2	mg/L		1	SW846-6010B
Chromium	U	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Cobalt	BU	0.001	mg/L		0.001	SW846-6020
Copper	BU	0.02	mg/L		0.02	SW846-6020
Iron	BU	0.1	mg/L		0.1	SW846-6010B
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		5.07	mg/L		0.025	SW846-6010B
Manganese	NX	0.0077	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470A
Molybdenum		0.00391	mg/L		0.001	SW846-6020
Nickel		0.0197	mg/L		0.005	SW846-6020
Potassium	X	2.34	mg/L		0.2	SW846-6010B
Rhodium	U	0.005	mg/L		0.005	SW846-6020
Selenium	U	0.005	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		24.4	mg/L		1	SW846-6010B
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	BU	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	BU	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		30.12	Inches/Hg			
<b>PHYSC</b>						
Conductivity		384	umho/cm			
Depth to Water		69.85	ft			
Dissolved Oxygen		2.02	mg/L			
Dissolved Solids		208	mg/L		40	EPA-160.1
pH		6.24	Std Unit			
Redox		217	mV			
Suspended Solids	U	40	mg/L		40	EPA-160.2
Temperature		62.7	deg F			
Turbidity		0	NTU			

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## MW223

### 20992

#### RADS

Alpha activity	U	0.51	pCi/L	0.36	3.6	SW846-9310
Beta activity		9.3	pCi/L	1.64	4.4	SW846-9310
Iodine-131	U	-6.53	pCi/L	13.1	14	RL-7124
Radium-226	U	0.0715	pCi/L	0.125	0.309	RL-7129
Strontium-90	U	-0.168	pCi/L	0.0262	1.55	RL-7140
Technetium-99	U	13.4	pCi/L	12.5	17.8	RL-7100
Thorium-230	U	-0.0169	pCi/L	0.0485	0.233	RL-7128
Tritium	U	-93.5	pCi/L	162	272	704R8

#### SVOA

1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260

#### VOA

1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	JU	0.01	mg/L		0.01	SW846-8260
Acrolein	U	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260

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Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Cyanide	JU	0.05 mg/L	0.05	SW846-9010B
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.01 mg/L	0.01	SW846-9020B

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**MW224**  
**20992**  
**MW224SG1-07**

Collected: 10/9/2006

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	2	mg/L		2	SW846-9056
Chloride		31	mg/L		2	SW846-9056
Fluoride		0.29	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		17	mg/L		2	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010B
Antimony	U	0.005	mg/L		0.005	SW846-6020
Arsenic	U	0.001	mg/L		0.001	SW846-6020
Barium	X	0.353	mg/L		0.005	SW846-6020
Barium, Dissolved		0.329	mg/L		0.005	SW846-6020
Beryllium	BU	0.001	mg/L		0.001	SW846-6020
Boron	BU	0.2	mg/L		0.2	SW846-6010B
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		27.8	mg/L		1	SW846-6010B
Chromium	U	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Cobalt		0.0121	mg/L		0.001	SW846-6020
Copper	BU	0.02	mg/L		0.02	SW846-6020
Iron	BU	0.1	mg/L		0.1	SW846-6010B
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		11.8	mg/L		0.025	SW846-6010B
Manganese	NX	0.408	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470A
Molybdenum	U	0.001	mg/L		0.001	SW846-6020
Nickel		0.00685	mg/L		0.005	SW846-6020
Potassium	X	1.11	mg/L		0.2	SW846-6010B
Rhodium	U	0.005	mg/L		0.005	SW846-6020
Selenium	U	0.005	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		64.5	mg/L		1	SW846-6010B
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	BU	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		30.18	Inches/Hg			
<b>PHYSC</b>						
Conductivity		499	umho/cm			
Depth to Water		71.18	ft			
Dissolved Oxygen		1.14	mg/L			
Dissolved Solids		298	mg/L		40	EPA-160.1
pH		6.3	Std Unit			
Redox		219	mV			
Suspended Solids	U	40	mg/L		40	EPA-160.2
Temperature		66.5	deg F			
Turbidity		0	NTU			

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## MW224

### 20992

#### RADS

Alpha activity	U	2.64	pCi/L	1.59	4.65	SW846-9310
Beta activity	U	1.69	pCi/L	0.396	4.72	SW846-9310
Iodine-131	U	-4.56	pCi/L	9.11	12.1	RL-7124
Radium-226	U	0.00726	pCi/L	0.0315	0.296	RL-7129
Strontium-90	U	-0.202	pCi/L	0.0316	1.75	RL-7140
Technetium-99	U	7.01	pCi/L	12.3	17.8	RL-7100
Thorium-230	U	0.0586	pCi/L	0.0689	0.237	RL-7128
Tritium	U	106	pCi/L	168	277	704R8

#### SVOA

1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260

#### VOA

1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	JU	0.01	mg/L		0.01	SW846-8260
Acrolein	U	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260



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## MW224

### 20992

Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Cyanide	JU	0.05 mg/L	0.05	SW846-9010B
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.01 mg/L	0.01	SW846-9020B

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# Paducah-OREIS Data Report

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**MW384**  
**20992**  
**MW384SG1-07**

Collected: 10/4/2006

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	2	mg/L		2	SW846-9056
Chloride		64	mg/L		4	SW846-9056
Fluoride		0.3	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		20	mg/L		2	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010B
Antimony	U	0.005	mg/L		0.005	SW846-6020
Arsenic		0.0034	mg/L		0.001	SW846-6020
Barium	X	0.184	mg/L		0.005	SW846-6020
Barium, Dissolved		0.17	mg/L		0.005	SW846-6020
Beryllium	BU	0.001	mg/L		0.001	SW846-6020
Boron	BU	0.2	mg/L		0.2	SW846-6010B
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		30.1	mg/L		1	SW846-6010B
Chromium	U	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Cobalt		0.00149	mg/L		0.001	SW846-6020
Copper	BU	0.02	mg/L		0.02	SW846-6020
Iron		0.355	mg/L		0.1	SW846-6010B
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		11.5	mg/L		0.025	SW846-6010B
Manganese	NX	0.275	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470A
Molybdenum	U	0.001	mg/L		0.001	SW846-6020
Nickel	U	0.005	mg/L		0.005	SW846-6020
Potassium	X	1.37	mg/L		0.2	SW846-6010B
Rhodium	U	0.005	mg/L		0.005	SW846-6020
Selenium	U	0.005	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		59	mg/L		1	SW846-6010B
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	BU	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	BU	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		30.12	Inches/Hg			
<b>PHYSC</b>						
Conductivity		575	umho/cm			
Depth to Water		40.85	ft			
Dissolved Oxygen		1.04	mg/L			
Dissolved Solids	J	308	mg/L		40	EPA-160.1
pH		6.18	Std Unit			
Redox		-33	mV			
Suspended Solids	U	40	mg/L		40	EPA-160.2
Temperature		67.3	deg F			
Turbidity		0	NTU			

# Paducah-OREIS Data Report

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## MW384

### 20992

#### RADS

Alpha activity		7.27	pCi/L	1.71	4.3	SW846-9310
Beta activity		247	pCi/L	11.8	4.63	SW846-9310
Iodine-131	U	-0.112	pCi/L	0.223	8.16	RL-7124
Radium-226	U	0.0617	pCi/L	0.11	0.294	RL-7129
Strontium-90	U	-0.598	pCi/L	0.102	1.66	RL-7140
Technetium-99		265	pCi/L	18.9	17.4	RL-7100
Thorium-230	U	0.0764	pCi/L	0.0652	0.248	RL-7128
Tritium	U	84.3	pCi/L	168	278	704R8

#### SVOA

1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260

#### VOA

1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JU	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	JU	0.01	mg/L		0.01	SW846-8260
Acetone	U	0.01	mg/L		0.01	SW846-8260
Acrolein	U	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	JU	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	JU	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260

# Paducah-OREIS Data Report

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## MW384

### 20992

Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Cyanide	JU	0.05 mg/L	0.05	SW846-9010B
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		2.4 mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.0296 mg/L	0.01	SW846-9020B

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# Paducah-OREIS Data Report

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**MW385**  
**20992**  
**MW385SG1-07**

Collected: 10/4/2006

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	2	mg/L		2	SW846-9056
Chloride		35	mg/L		2	SW846-9056
Fluoride		0.49	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		27	mg/L		2	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010B
Antimony	U	0.005	mg/L		0.005	SW846-6020
Arsenic		0.00234	mg/L		0.001	SW846-6020
Barium	X	0.231	mg/L		0.005	SW846-6020
Barium, Dissolved		0.215	mg/L		0.005	SW846-6020
Beryllium	BU	0.001	mg/L		0.001	SW846-6020
Boron	BU	0.2	mg/L		0.2	SW846-6010B
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		30	mg/L		1	SW846-6010B
Chromium	U	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.2	mg/L		0.2	SW846-6020
Cobalt		0.009	mg/L		0.001	SW846-6020
Copper	BU	0.02	mg/L		0.02	SW846-6020
Iron		5.41	mg/L		0.1	SW846-6010B
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		12.8	mg/L		0.025	SW846-6010B
Manganese	NX	0.859	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470A
Molybdenum	U	0.001	mg/L		0.001	SW846-6020
Nickel	U	0.005	mg/L		0.005	SW846-6020
Potassium	X	0.593	mg/L		0.2	SW846-6010B
Rhodium	U	0.005	mg/L		0.005	SW846-6020
Selenium	U	0.005	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		125	mg/L		1	SW846-6010B
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	BU	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	BU	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		30.12	Inches/Hg			
<b>PHYSC</b>						
Conductivity		755	umho/cm			
Depth to Water		19.83	ft			
Dissolved Oxygen		0.94	mg/L			
Dissolved Solids	J	502	mg/L		40	EPA-160.1
pH		6.35	Std Unit			
Redox		-21	mV			
Suspended Solids	U	40	mg/L		40	EPA-160.2
Temperature		66.2	deg F			
Turbidity		0	NTU			

# Paducah-OREIS Data Report

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## MW385

### 20992

#### RADS

Alpha activity	U	3.64	pCi/L	2.3	7.87	SW846-9310
Beta activity	U	2.69	pCi/L	0.61	5.22	SW846-9310
Iodine-131	U	3.15	pCi/L	6.29	13.4	RL-7124
Radium-226	U	0.00701	pCi/L	0.031	0.29	RL-7129
Strontium-90	U	0.348	pCi/L	0.0494	1.72	RL-7140
Technetium-99	U	2.68	pCi/L	11.9	17.4	RL-7100
Thorium-230	U	0.0289	pCi/L	0.059	0.238	RL-7128
Tritium	U	55.3	pCi/L	168	279	704R8

#### SVOA

1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260

#### VOA

1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	JU	0.01	mg/L		0.01	SW846-8260
Acetone	U	0.01	mg/L		0.01	SW846-8260
Acrolein	U	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	JU	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	JU	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260

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## MW385

### 20992

Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)		80 mg/L	25	EPA-410.4 1978
Cyanide	JU	0.05 mg/L	0.05	SW846-9010B
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	D	28.1 mg/L	4	SW846-9060
Total Organic Halides (TOX)		0.57 mg/L	0.01	SW846-9020B

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# Paducah-OREIS Data Report

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**MW386**

**20992**

**MW386SG1-07**

Collected: 10/4/2006

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	2	mg/L		2	SW846-9056
Chloride		25	mg/L		2	SW846-9056
Fluoride		0.43	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		19	mg/L		2	SW846-9056
<b>METAL</b>						
Aluminum		0.333	mg/L		0.2	SW846-6010B
Antimony	U	0.005	mg/L		0.005	SW846-6020
Arsenic	U	0.001	mg/L		0.001	SW846-6020
Barium	X	0.12	mg/L		0.005	SW846-6020
Barium, Dissolved		0.188	mg/L		0.005	SW846-6020
Beryllium	BU	0.001	mg/L		0.001	SW846-6020
Boron	BU	0.2	mg/L		0.2	SW846-6010B
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		17.2	mg/L		1	SW846-6010B
Chromium	U	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Cobalt	BU	0.001	mg/L		0.001	SW846-6020
Copper	BU	0.02	mg/L		0.02	SW846-6020
Iron		0.184	mg/L		0.1	SW846-6010B
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		5.44	mg/L		0.025	SW846-6010B
Manganese	NX	0.00761	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470A
Molybdenum	U	0.001	mg/L		0.001	SW846-6020
Nickel	U	0.005	mg/L		0.005	SW846-6020
Potassium	X	0.999	mg/L		0.2	SW846-6010B
Rhodium	U	0.005	mg/L		0.005	SW846-6020
Selenium	U	0.005	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		27.5	mg/L		1	SW846-6010B
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	BU	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	BU	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		30.12	Inches/Hg			
<b>PHYSC</b>						
Conductivity		521	umho/cm			
Depth to Water		41.23	ft			
Dissolved Oxygen		1.33	mg/L			
Dissolved Solids	J	265	mg/L		40	EPA-160.1
pH		7	Std Unit			
Redox		112	mV			
Suspended Solids	U	40	mg/L		40	EPA-160.2
Temperature		71.2	deg F			
Turbidity		0	NTU			



# Paducah-OREIS Data Report

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## MW386

### 20992

#### RADS

Alpha activity		4.85	pCi/L	1.8	3.93	SW846-9310
Beta activity		54.5	pCi/L	5.16	4.51	SW846-9310
Iodine-131	U	-1.83	pCi/L	3.66	9.91	RL-7124
Radium-226	U	0.0158	pCi/L	0.0486	0.3	RL-7129
Strontium-90	U	-0.0897	pCi/L	0.0137	1.63	RL-7140
Technetium-99		70.9	pCi/L	14.1	17.4	RL-7100
Thorium-230	U	-0.0176	pCi/L	0.047	0.231	RL-7128
Tritium	U	72.6	pCi/L	168	277	704R8

#### SVOA

1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260

#### VOA

1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JU	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	JU	0.01	mg/L		0.01	SW846-8260
Acetone	U	0.01	mg/L		0.01	SW846-8260
Acrolein	U	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	JU	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	JU	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260

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## MW386

### 20992

Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Cyanide	JU	0.05 mg/L	0.05	SW846-9010B
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		1.1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.01 mg/L	0.01	SW846-9020B

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# Paducah-OREIS Data Report

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12/18/2007

**MW387**  
**20992**  
**MW387SG1-07**

Collected: 10/5/2006

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	2	mg/L		2	SW846-9056
Chloride		46	mg/L		2	SW846-9056
Fluoride		0.7	mg/L		0.1	9214
Nitrate as Nitrogen		1.5	mg/L		1	SW846-9056
Sulfate		26	mg/L		2	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010B
Antimony	U	0.005	mg/L		0.005	SW846-6020
Arsenic		0.00224	mg/L		0.001	SW846-6020
Barium	X	0.151	mg/L		0.005	SW846-6020
Barium, Dissolved		0.148	mg/L		0.005	SW846-6020
Beryllium	BU	0.001	mg/L		0.001	SW846-6020
Boron	BU	0.2	mg/L		0.2	SW846-6010B
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		33.7	mg/L		1	SW846-6010B
Chromium	U	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Cobalt	BU	0.001	mg/L		0.001	SW846-6020
Copper	BU	0.02	mg/L		0.02	SW846-6020
Iron	B	0.127	mg/L		0.1	SW846-6010B
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		13.9	mg/L		0.025	SW846-6010B
Manganese	NUX	0.005	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470A
Molybdenum	U	0.001	mg/L		0.001	SW846-6020
Nickel	U	0.005	mg/L		0.005	SW846-6020
Potassium	X	1.93	mg/L		0.2	SW846-6010B
Rhodium	U	0.005	mg/L		0.005	SW846-6020
Selenium	U	0.005	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		47	mg/L		1	SW846-6010B
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	BU	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		30.18	Inches/Hg			
<b>PHYSC</b>						
Conductivity		492	umho/cm			
Depth to Water		39.13	ft			
Dissolved Oxygen		3.92	mg/L			
Dissolved Solids		274	mg/L		40	EPA-160.1
pH		6.2	Std Unit			
Redox		246	mV			
Suspended Solids	U	40	mg/L		40	EPA-160.2
Temperature		62.1	deg F			
Turbidity		3	NTU			

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## MW387

### 20992

#### RADS

Alpha activity	U	-0.463	pCi/L	0.164	4.1	SW846-9310
Beta activity		142	pCi/L	8.76	4.57	SW846-9310
Iodine-131	U	-1.17	pCi/L	2.34	18.5	RL-7124
Radium-226	U	0.0604	pCi/L	0.108	0.291	RL-7129
Strontium-90	U	0.321	pCi/L	0.0456	1.71	RL-7140
Technetium-99		169	pCi/L	16.7	17.4	RL-7100
Thorium-230	U	0.0423	pCi/L	0.0614	0.226	RL-7128
Tritium	U	50.4	pCi/L	168	278	704R8

#### SVOA

1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260

#### VOA

1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JU	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	JU	0.01	mg/L		0.01	SW846-8260
Acetone	U	0.01	mg/L		0.01	SW846-8260
Acrolein	U	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	JU	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	JU	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260

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### 20992

Trichloroethene		0.0011 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Cyanide	JU	0.05 mg/L	0.05	SW846-9010B
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.0169 mg/L	0.01	SW846-9020B

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# Paducah-OREIS Data Report

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**MW388**  
**20992**  
**MW388SG1-07**

Collected: 10/5/2006

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	2	mg/L		2	SW846-9056
Chloride		38	mg/L		2	SW846-9056
Fluoride		0.24	mg/L		0.1	9214
Nitrate as Nitrogen		1.6	mg/L		1	SW846-9056
Sulfate		15	mg/L		2	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010B
Antimony	U	0.005	mg/L		0.005	SW846-6020
Arsenic		0.001	mg/L		0.001	SW846-6020
Barium	X	0.194	mg/L		0.005	SW846-6020
Barium, Dissolved		0.19	mg/L		0.005	SW846-6020
Beryllium	BU	0.001	mg/L		0.001	SW846-6020
Boron	BU	0.2	mg/L		0.2	SW846-6010B
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		23.6	mg/L		1	SW846-6010B
Chromium	U	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Cobalt	BU	0.001	mg/L		0.001	SW846-6020
Copper	BU	0.02	mg/L		0.02	SW846-6020
Iron	BU	0.1	mg/L		0.1	SW846-6010B
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		9.99	mg/L		0.025	SW846-6010B
Manganese	NUX	0.005	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470A
Molybdenum	U	0.001	mg/L		0.001	SW846-6020
Nickel	U	0.005	mg/L		0.005	SW846-6020
Potassium	X	1.97	mg/L		0.2	SW846-6010B
Rhodium	U	0.005	mg/L		0.005	SW846-6020
Selenium	U	0.005	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		41.4	mg/L		1	SW846-6010B
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	BU	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		30.18	Inches/Hg			
<b>PHYSC</b>						
Conductivity		390	umho/cm			
Depth to Water		39.12	ft			
Dissolved Oxygen		4.08	mg/L			
Dissolved Solids		212	mg/L		40	EPA-160.1
pH		6.2	Std Unit			
Redox		257	mV			
Suspended Solids	U	40	mg/L		40	EPA-160.2
Temperature		62.2	deg F			
Turbidity		1.8	NTU			

# Paducah-OREIS Data Report

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## MW388

### 20992

#### RADS

Alpha activity	U	2.83	pCi/L	1.15	3.9	SW846-9310
Beta activity		56.9	pCi/L	5.28	4.5	SW846-9310
Iodine-131	U	4.01	pCi/L	8.02	18.2	RL-7124
Radium-226	U	0.113	pCi/L	0.122	0.294	RL-7129
Strontium-90	U	0.215	pCi/L	0.0311	1.72	RL-7140
Technetium-99		73.8	pCi/L	14.2	17.4	RL-7100
Thorium-230	U	-0.0045	pCi/L	0.0595	0.229	RL-7128
Tritium	U	-83.6	pCi/L	165	277	704R8

#### SVOA

1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260

#### VOA

1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JU	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	JU	0.01	mg/L		0.01	SW846-8260
Acetone	U	0.01	mg/L		0.01	SW846-8260
Acrolein	U	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	JU	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	JU	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260

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## MW388

### 20992

Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Cyanide	JU	0.05 mg/L	0.05	SW846-9010B
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.01 mg/L	0.01	SW846-9020B

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# Paducah-OREIS Data Report

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**MW390**  
**20992**  
**MW390SG1-07**

Collected: 10/9/2006

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide		2.3	mg/L		2	SW846-9056
Chloride		220	mg/L		20	SW846-9056
Fluoride		0.23	mg/L		0.1	9214
Nitrate as Nitrogen		2.5	mg/L		1	SW846-9056
Sulfate		13	mg/L		2	SW846-9056
<b>METAL</b>						
Aluminum		1.42	mg/L		0.2	SW846-6010B
Antimony	U	0.005	mg/L		0.005	SW846-6020
Arsenic		0.00297	mg/L		0.001	SW846-6020
Barium	X	0.476	mg/L		0.005	SW846-6020
Barium, Dissolved		0.453	mg/L		0.005	SW846-6020
Beryllium	BU	0.001	mg/L		0.001	SW846-6020
Boron	BU	0.2	mg/L		0.2	SW846-6010B
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		56.2	mg/L		1	SW846-6010B
Chromium	U	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Cobalt		0.00145	mg/L		0.001	SW846-6020
Copper	BU	0.02	mg/L		0.02	SW846-6020
Iron		0.783	mg/L		0.1	SW846-6010B
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		23.1	mg/L		0.025	SW846-6010B
Manganese	NX	0.00919	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470A
Molybdenum		0.00109	mg/L		0.001	SW846-6020
Nickel		0.0562	mg/L		0.005	SW846-6020
Potassium	X	0.537	mg/L		0.2	SW846-6010B
Rhodium	U	0.005	mg/L		0.005	SW846-6020
Selenium		0.0105	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		107	mg/L		1	SW846-6010B
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	BU	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		30.18	Inches/Hg			
<b>PHYSC</b>						
Conductivity		1044	umho/cm			
Depth to Water		36.24	ft			
Dissolved Oxygen		3.29	mg/L			
Dissolved Solids		584	mg/L		40	EPA-160.1
pH		6.3	Std Unit			
Redox		236	mV			
Suspended Solids	U	40	mg/L		40	EPA-160.2
Temperature		60.7	deg F			
Turbidity		0	NTU			

# Paducah-OREIS Data Report

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## MW390

### 20992

#### RADS

Alpha activity	U	-0.181	pCi/L	0.0936	6.32	SW846-9310
Beta activity		58.5	pCi/L	5.63	5.03	SW846-9310
Iodine-131	U	-1.59	pCi/L	3.17	13.5	RL-7124
Radium-226	U	0.286	pCi/L	0.196	0.306	RL-7129
Strontium-90	U	-0.193	pCi/L	0.0301	1.67	RL-7140
Technetium-99	U	16.8	pCi/L	12.6	17.8	RL-7100
Thorium-230	U	0.0295	pCi/L	0.0584	0.227	RL-7128
Tritium	U	94.3	pCi/L	167	275	704R8

#### SVOA

1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260

#### VOA

1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JU	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	JU	0.01	mg/L		0.01	SW846-8260
Acrolein	U	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260

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## MW390

### 20992

Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Cyanide	JU	0.05 mg/L	0.05	SW846-9010B
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		1.9 mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.018 mg/L	0.01	SW846-9020B

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**MW391**

**20992**

**MW391SG1-07**

Collected: 10/5/2006

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	2	mg/L		2	SW846-9056
Chloride		47	mg/L		2	SW846-9056
Fluoride		0.17	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		12	mg/L		2	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010B
Antimony	U	0.005	mg/L		0.005	SW846-6020
Arsenic	U	0.001	mg/L		0.001	SW846-6020
Barium	X	0.239	mg/L		0.005	SW846-6020
Barium, Dissolved		0.234	mg/L		0.005	SW846-6020
Beryllium	BU	0.001	mg/L		0.001	SW846-6020
Boron	BU	0.2	mg/L		0.2	SW846-6010B
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		25.2	mg/L		1	SW846-6010B
Chromium	U	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Cobalt	BU	0.001	mg/L		0.001	SW846-6020
Copper	BU	0.02	mg/L		0.02	SW846-6020
Iron	BU	0.1	mg/L		0.1	SW846-6010B
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		10.2	mg/L		0.025	SW846-6010B
Manganese	NUX	0.005	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470A
Molybdenum	U	0.001	mg/L		0.001	SW846-6020
Nickel	U	0.005	mg/L		0.005	SW846-6020
Potassium	X	1.54	mg/L		0.2	SW846-6010B
Rhodium	U	0.005	mg/L		0.005	SW846-6020
Selenium	U	0.005	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		30.7	mg/L		1	SW846-6010B
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	BU	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	BU	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		30.12	Inches/Hg			
<b>PHYSC</b>						
Conductivity		372	umho/cm			
Depth to Water		42.45	ft			
Dissolved Oxygen		3.6	mg/L			
Dissolved Solids		194	mg/L		40	EPA-160.1
pH		6.12	Std Unit			
Redox		144	mV			
Suspended Solids	U	40	mg/L		40	EPA-160.2
Temperature		62.1	deg F			
Turbidity		0	NTU			

# Paducah-OREIS Data Report

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## MW391

### 20992

#### RADS

Alpha activity	U	1.71	pCi/L	1.03	3.54	SW846-9310
Beta activity		5.96	pCi/L	1.16	4.37	SW846-9310
Iodine-131	U	-0.695	pCi/L	1.39	18.6	RL-7124
Radium-226	U	-0.0219	pCi/L	0.0268	0.295	RL-7129
Strontium-90	U	0.0476	pCi/L	0.0071	1.75	RL-7140
Technetium-99	U	15.4	pCi/L	12.6	17.8	RL-7100
Thorium-230	U	-0.0677	pCi/L	0.0532	0.25	RL-7128
Tritium	U	-52.4	pCi/L	166	277	704R8

#### SVOA

1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260

#### VOA

1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	JU	0.01	mg/L		0.01	SW846-8260
Acrolein	U	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260

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## MW391

### 20992

Trichloroethene		0.016 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Cyanide	JU	0.05 mg/L	0.05	SW846-9010B
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.0187 mg/L	0.01	SW846-9020B

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# Paducah-OREIS Data Report

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**MW392**  
**20992**  
**MW392SG1-07**

Collected: 10/5/2006

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	2	mg/L		2	SW846-9056
Chloride		45	mg/L		2	SW846-9056
Fluoride		0.26	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		7.3	mg/L		2	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010B
Antimony	U	0.005	mg/L		0.005	SW846-6020
Arsenic		0.00178	mg/L		0.001	SW846-6020
Barium	X	0.295	mg/L		0.005	SW846-6020
Barium, Dissolved		0.25	mg/L		0.005	SW846-6020
Beryllium	BU	0.001	mg/L		0.001	SW846-6020
Boron	BU	0.2	mg/L		0.2	SW846-6010B
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		24.8	mg/L		1	SW846-6010B
Chromium	U	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Cobalt		0.00122	mg/L		0.001	SW846-6020
Copper	BU	0.02	mg/L		0.02	SW846-6020
Iron		0.969	mg/L		0.1	SW846-6010B
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		9.47	mg/L		0.025	SW846-6010B
Manganese	NX	0.78	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470A
Molybdenum	U	0.001	mg/L		0.001	SW846-6020
Nickel	U	0.005	mg/L		0.005	SW846-6020
Potassium	X	1.9	mg/L		0.2	SW846-6010B
Rhodium	U	0.005	mg/L		0.005	SW846-6020
Selenium	U	0.005	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		46.8	mg/L		1	SW846-6010B
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	B	0.0014	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	BU	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		30.12	Inches/Hg			
<b>PHYSC</b>						
Conductivity		419	umho/cm			
Depth to Water		41.57	ft			
Dissolved Oxygen		1.43	mg/L			
Dissolved Solids		223	mg/L		40	EPA-160.1
pH		6.31	Std Unit			
Redox		213	mV			
Suspended Solids	U	40	mg/L		40	EPA-160.2
Temperature		61.8	deg F			
Turbidity		44	NTU			

# Paducah-OREIS Data Report

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## MW392

### 20992

#### RADS

Alpha activity	U	0.023	pCi/L	0.0206	3.83	SW846-9310
Beta activity	U	2.03	pCi/L	0.465	4.48	SW846-9310
Iodine-131	U	0.616	pCi/L	1.23	14.7	RL-7124
Radium-226	U	0.0489	pCi/L	0.101	0.291	RL-7129
Strontium-90	U	-0.48	pCi/L	0.0792	1.75	RL-7140
Technetium-99	U	4.75	pCi/L	12.2	17.8	RL-7100
Thorium-230	U	-0.0044	pCi/L	0.057	0.236	RL-7128
Tritium	U	-84.4	pCi/L	164	275	704R8

#### SVOA

1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260

#### VOA

1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JU	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	JU	0.01	mg/L		0.01	SW846-8260
Acrolein	U	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260



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## MW392

### 20992

Trichloroethene		0.011 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Cyanide	JU	0.05 mg/L	0.05	SW846-9010B
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		1.9 mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.052 mg/L	0.01	SW846-9020B

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# Paducah-OREIS Data Report

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**MW393**

**20992**

**MW393SG1-07**

Collected: 10/5/2006

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	2	mg/L		2	SW846-9056
Chloride		20	mg/L		2	SW846-9056
Fluoride		0.17	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		4	mg/L		2	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010B
Antimony	U	0.005	mg/L		0.005	SW846-6020
Arsenic		0.00297	mg/L		0.001	SW846-6020
Barium	X	0.11	mg/L		0.005	SW846-6020
Barium, Dissolved		0.111	mg/L		0.005	SW846-6020
Beryllium	BU	0.001	mg/L		0.001	SW846-6020
Boron	BU	0.2	mg/L		0.2	SW846-6010B
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		11.4	mg/L		1	SW846-6010B
Chromium	U	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Cobalt	BU	0.001	mg/L		0.001	SW846-6020
Copper	BU	0.02	mg/L		0.02	SW846-6020
Iron		5.5	mg/L		0.1	SW846-6010B
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		3.6	mg/L		0.025	SW846-6010B
Manganese	NX	0.0383	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470A
Molybdenum	U	0.001	mg/L		0.001	SW846-6020
Nickel	U	0.005	mg/L		0.005	SW846-6020
Potassium	X	0.456	mg/L		0.2	SW846-6010B
Rhodium	U	0.005	mg/L		0.005	SW846-6020
Selenium	U	0.005	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		80.2	mg/L		1	SW846-6010B
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	BU	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	BU	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		30.12	Inches/Hg			
<b>PHYSC</b>						
Conductivity		436	umho/cm			
Depth to Water		25.52	ft			
Dissolved Oxygen		1.2	mg/L			
Dissolved Solids		261	mg/L		40	EPA-160.1
pH		6.23	Std Unit			
Redox		70	mV			
Suspended Solids	U	40	mg/L		40	EPA-160.2
Temperature		63	deg F			
Turbidity		0	NTU			

# Paducah-OREIS Data Report

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## MW393

### 20992

#### RADS

Alpha activity	U	-1.12	pCi/L	1.58	4.62	SW846-9310
Beta activity	U	0.506	pCi/L	0.126	4.71	SW846-9310
Iodine-131	U	-8.89	pCi/L	17.8	15	RL-7124
Radium-226	U	-0.0072	pCi/L	0.0026	0.301	RL-7129
Strontium-90	U	-0.131	pCi/L	0.0202	1.8	RL-7140
Technetium-99	U	8.53	pCi/L	12.3	17.8	RL-7100
Thorium-230	U	-0.0457	pCi/L	0.0092	0.239	RL-7128
Tritium	U	-14.7	pCi/L	167	278	704R8

#### SVOA

1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260

#### VOA

1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	JU	0.01	mg/L		0.01	SW846-8260
Acrolein	U	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260

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## MW393

### 20992

Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Cyanide	JU	0.05 mg/L	0.05	SW846-9010B
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		5.1 mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.0644 mg/L	0.01	SW846-9020B

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# Paducah-OREIS Data Report

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**MW394**

**20992**

**MW394SG1-07**

Collected: 10/9/2006

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	2	mg/L		2	SW846-9056
Chloride		56	mg/L		10	SW846-9056
Fluoride		0.16	mg/L		0.1	9214
Nitrate as Nitrogen		1.2	mg/L		1	SW846-9056
Sulfate		9.3	mg/L		2	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010B
Antimony	U	0.005	mg/L		0.005	SW846-6020
Arsenic	U	0.001	mg/L		0.001	SW846-6020
Barium	X	0.255	mg/L		0.005	SW846-6020
Barium, Dissolved		0.236	mg/L		0.005	SW846-6020
Beryllium	BU	0.001	mg/L		0.001	SW846-6020
Boron	BU	0.2	mg/L		0.2	SW846-6010B
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		28.1	mg/L		1	SW846-6010B
Chromium	U	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Cobalt	BU	0.001	mg/L		0.001	SW846-6020
Copper	BU	0.02	mg/L		0.02	SW846-6020
Iron		0.137	mg/L		0.1	SW846-6010B
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		11.6	mg/L		0.025	SW846-6010B
Manganese	NX	0.0171	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470A
Molybdenum	U	0.001	mg/L		0.001	SW846-6020
Nickel	U	0.005	mg/L		0.005	SW846-6020
Potassium	X	0.961	mg/L		0.2	SW846-6010B
Rhodium	U	0.005	mg/L		0.005	SW846-6020
Selenium	U	0.005	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		31.7	mg/L		1	SW846-6010B
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	BU	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		30.18	Inches/Hg			
<b>PHYSC</b>						
Conductivity		410	umho/cm			
Depth to Water		53.93	ft			
Dissolved Oxygen		3.21	mg/L			
Dissolved Solids		233	mg/L		40	EPA-160.1
pH		6.38	Std Unit			
Redox		274	mV			
Suspended Solids	U	40	mg/L		40	EPA-160.2
Temperature		62.3	deg F			
Turbidity		4.1	NTU			

**MW394****20992****RADS**

Alpha activity	U	0.59	pCi/L	0.446	3.49	SW846-9310
Beta activity	U	3.06	pCi/L	0.668	4.35	SW846-9310
Iodine-131	U	0.924	pCi/L	1.85	14.7	RL-7124
Radium-226	U	0.0134	pCi/L	0.0438	0.286	RL-7129
Strontium-90	U	-0.37	pCi/L	0.0604	1.56	RL-7140
Technetium-99	U	17.3	pCi/L	12.6	17.8	RL-7100
Thorium-230	U	0.0704	pCi/L	0.0705	0.229	RL-7128
Tritium	U	-45	pCi/L	163	273	704R8

**SVOA**

1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260

**VOA**

1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JU	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	JU	0.01	mg/L		0.01	SW846-8260
Acrolein	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260

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## MW394

### 20992

Trichloroethene		0.017 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Cyanide	JU	0.05 mg/L	0.05	SW846-9010B
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.0291 mg/L	0.01	SW846-9020B

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# Paducah-OREIS Data Report

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**MW395**  
**20992**  
**MW395SG1-07**

Collected: 10/9/2006

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	2	mg/L		2	SW846-9056
Chloride		58	mg/L		5	SW846-9056
Fluoride		0.14	mg/L		0.1	9214
Nitrate as Nitrogen		2	mg/L		1	SW846-9056
Sulfate		9.3	mg/L		1	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010B
Antimony	U	0.005	mg/L		0.005	SW846-6020
Arsenic	U	0.001	mg/L		0.001	SW846-6020
Barium	X	0.279	mg/L		0.005	SW846-6020
Barium, Dissolved		0.264	mg/L		0.005	SW846-6020
Beryllium	BU	0.001	mg/L		0.001	SW846-6020
Boron	BU	0.2	mg/L		0.2	SW846-6010B
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		30	mg/L		1	SW846-6010B
Chromium	U	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Cobalt	BU	0.001	mg/L		0.001	SW846-6020
Copper	BU	0.02	mg/L		0.02	SW846-6020
Iron	B	0.115	mg/L		0.1	SW846-6010B
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		12.2	mg/L		0.025	SW846-6010B
Manganese	NUX	0.005	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470A
Molybdenum	U	0.001	mg/L		0.001	SW846-6020
Nickel	U	0.005	mg/L		0.005	SW846-6020
Potassium	X	1.46	mg/L		0.2	SW846-6010B
Rhodium	U	0.005	mg/L		0.005	SW846-6020
Selenium	U	0.005	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		26.1	mg/L		1	SW846-6010B
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	BU	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		30.18	Inches/Hg			
<b>PHYSC</b>						
Conductivity		403	umho/cm			
Depth to Water		54.6	ft			
Dissolved Oxygen		4.5	mg/L			
Dissolved Solids		226	mg/L		40	EPA-160.1
pH		6.18	Std Unit			
Redox		270	mV			
Suspended Solids	U	40	mg/L		40	EPA-160.2
Temperature		59.9	deg F			
Turbidity		3.4	NTU			



## MW395

## 20992

## RADS

Alpha activity	U	0.114	pCi/L	0.0864	3.6	SW846-9310
Beta activity		10.1	pCi/L	1.74	4.4	SW846-9310
Iodine-131	U	0.752	pCi/L	1.5	14.2	RL-7124
Radium-226	U	0.00011	pCi/L	0.0172	0.293	RL-7129
Strontium-90	U	-0.301	pCi/L	0.0483	1.55	RL-7140
Technetium-99	U	15.8	pCi/L	12.6	17.8	RL-7100
Thorium-230	U	-0.0043	pCi/L	0.043	0.229	RL-7128
Tritium	U	-69.2	pCi/L	165	277	704R8

## SVOA

1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260

## VOA

1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JU	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	JU	0.01	mg/L		0.01	SW846-8260
Acrolein	U	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260

# Paducah-OREIS Data Report

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## MW395

### 20992

Trichloroethene		0.0066 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Cyanide	JU	0.05 mg/L	0.05	SW846-9010B
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.01 mg/L	0.01	SW846-9020B

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# Paducah-OREIS Data Report

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**MW396**  
**20992**  
**MW396SG1-07**

Collected: 10/9/2006

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide		2	mg/L		2	SW846-9056
Chloride		100	mg/L		10	SW846-9056
Fluoride		0.5	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		18	mg/L		2	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010B
Antimony	U	0.005	mg/L		0.005	SW846-6020
Arsenic		0.0025	mg/L		0.001	SW846-6020
Barium	X	0.398	mg/L		0.005	SW846-6020
Barium, Dissolved		0.378	mg/L		0.005	SW846-6020
Beryllium	BU	0.001	mg/L		0.001	SW846-6020
Boron	BU	0.2	mg/L		0.2	SW846-6010B
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		42.1	mg/L		1	SW846-6010B
Chromium	U	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Cobalt		0.00258	mg/L		0.001	SW846-6020
Copper	BU	0.02	mg/L		0.02	SW846-6020
Iron		3.47	mg/L		0.1	SW846-6010B
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		18.6	mg/L		0.025	SW846-6010B
Manganese	NX	0.572	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470A
Molybdenum	U	0.001	mg/L		0.001	SW846-6020
Nickel	U	0.005	mg/L		0.005	SW846-6020
Potassium	X	1.05	mg/L		0.2	SW846-6010B
Rhodium	U	0.005	mg/L		0.005	SW846-6020
Selenium		0.0089	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		133	mg/L		1	SW846-6010B
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	BU	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		30.18	Inches/Hg			
<b>PHYSC</b>						
Conductivity		964	umho/cm			
Depth to Water		10.25	ft			
Dissolved Oxygen		0.9	mg/L			
Dissolved Solids		544	mg/L		40	EPA-160.1
pH		6.66	Std Unit			
Redox		132	mV			
Suspended Solids	U	40	mg/L		40	EPA-160.2
Temperature		62	deg F			
Turbidity		8.1	NTU			

## MW396

## 20992

## RADS

Alpha activity	U	1.32	pCi/L	1	7.47	SW846-9310
Beta activity	U	3.16	pCi/L	0.702	5.18	SW846-9310
Iodine-131	U	-2.87	pCi/L	5.73	9.69	RL-7124
Radium-226	U	0.0417	pCi/L	0.1	0.321	RL-7129
Strontium-90	U	0.162	pCi/L	0.0236	1.67	RL-7140
Technetium-99	U	14	pCi/L	12.5	17.8	RL-7100
Thorium-230	U	-0.0325	pCi/L	0.0172	0.234	RL-7128
Tritium	U	84.9	pCi/L	166	274	704R8

## SVOA

1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260

## VOA

1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JU	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	JU	0.01	mg/L		0.01	SW846-8260
Acrolein	U	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260

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## MW396

### 20992

Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Cyanide	JU	0.05 mg/L	0.05	SW846-9010B
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		6.2 mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.0898 mg/L	0.01	SW846-9020B

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# Paducah-OREIS Data Report

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**MW397**  
**20992**  
**MW397SG1-07**

Collected: 10/9/2006

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	2	mg/L		2	SW846-9056
Chloride		45	mg/L		2	SW846-9056
Fluoride		0.14	mg/L		0.1	9214
Nitrate as Nitrogen		2	mg/L		1	SW846-9056
Sulfate		12	mg/L		2	SW846-9056
<b>METAL</b>						
Aluminum		0.4	mg/L		0.2	SW846-6010B
Antimony	U	0.005	mg/L		0.005	SW846-6020
Arsenic	U	0.001	mg/L		0.001	SW846-6020
Barium		0.158	mg/L		0.005	SW846-6020
Barium, Dissolved		0.151	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6010B
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		20.8	mg/L		1	SW846-6010B
Chromium	U	0.02	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Cobalt	U	0.001	mg/L		0.001	SW846-6020
Copper	U	0.02	mg/L		0.02	SW846-6020
Iron	B	0.335	mg/L		0.1	SW846-6010B
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium	X	8.51	mg/L		0.025	SW846-6010B
Manganese	U	0.005	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470A
Molybdenum	U	0.001	mg/L		0.001	SW846-6020
Nickel	U	0.005	mg/L		0.005	SW846-6020
Potassium		2.1	mg/L		0.2	SW846-6010B
Rhodium	U	0.005	mg/L		0.005	SW846-6020
Selenium	U	0.005	mg/L		0.005	SW846-6020
Silver	U	0.001	mg/L		0.001	SW846-6020
Sodium	B	35	mg/L		1	SW846-6010B
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		30.18	Inches/Hg			
<b>PHYSC</b>						
Conductivity		345	umho/cm			
Depth to Water		62.5	ft			
Dissolved Oxygen		5.26	mg/L			
Dissolved Solids		191	mg/L		40	EPA-160.1
pH		6.31	Std Unit			
Redox		254	mV			
Suspended Solids	U	40	mg/L		40	EPA-160.2
Temperature		63.1	deg F			
Turbidity		5.3	NTU			

# Paducah-OREIS Data Report

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## MW397

### 20992

#### RADS

Alpha activity	U	0.624	pCi/L	0.441	3.45	SW846-9310
Beta activity		7.13	pCi/L	1.34	4.33	SW846-9310
Iodine-131	U	-0.335	pCi/L	0.669	17	RL-7124
Radium-226	U	0.00772	pCi/L	0.0324	0.382	RL-7129
Strontium-90	U	-0.168	pCi/L	0.0255	1.71	RL-7140
Technetium-99		20.8	pCi/L	12.8	17.8	RL-7100
Thorium-230	U	-0.0213	pCi/L	0.0396	0.239	RL-7128
Tritium	U	-91.1	pCi/L	165	277	704R8

#### SVOA

1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260

#### VOA

1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JU	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	JU	0.01	mg/L		0.01	SW846-8260
Acrolein	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260

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## MW397

### 20992

Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Cyanide	JU	0.05 mg/L	0.05	SW846-9010B
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.01 mg/L	0.01	SW846-9020B

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# Paducah-OREIS Data Report

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12/18/2007

**MW245**

**20999**

**MW245QS1-07**

Collected: 11/1/2006

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METEO</b>						
Barometric Pressure Reading		29.77	Inches/Hg			
<b>PHYSC</b>						
Conductivity		355	umho/cm			
Depth to Water		44.28	ft			
Dissolved Oxygen		1.59	mg/L			
pH		6.13	Std Unit			
Redox		28	mV			
Temperature		59.6	deg F			
Turbidity		41.5	NTU			
<b>RADS</b>						
Alpha activity	U	3.25	pCi/L	1.96	5.69	SW846-9310
Beta activity	U	4.39	pCi/L	0.987	8.02	SW846-9310
Neptunium-237	U	0.015	pCi/L	0.0385	0.151	RL-7128
Plutonium-239/240	U	-0.0188	pCi/L	0.0257	0.114	RL-7128
Radium-226	U	0.231	pCi/L	0.278	0.731	RL-7129
Radon		177	pCi/L	28.8	83.9	RL-7104
Technetium-99	U	1.43	pCi/L	11.9	16.7	RL-7100
Thorium-230	U	-0.0117	pCi/L	0.0542	0.254	RL-7128
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.01	mg/L		0.01	SW846-8260
1,1,2-Trichloroethane	U	0.01	mg/L		0.01	SW846-8260
1,1-Dichloroethane	U	0.01	mg/L		0.01	SW846-8260
1,1-Dichloroethene	U	0.01	mg/L		0.01	SW846-8260
1,2-Dichloroethane	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.01	mg/L		0.01	SW846-8260
Bromodichloromethane	U	0.01	mg/L		0.01	SW846-8260
Carbon tetrachloride	U	0.01	mg/L		0.01	SW846-8260
Chloroform	U	0.01	mg/L		0.01	SW846-8260
cis-1,2-Dichloroethene	U	0.01	mg/L		0.01	SW846-8260
Ethylbenzene	U	0.01	mg/L		0.01	SW846-8260
Tetrachloroethene	U	0.01	mg/L		0.01	SW846-8260
Toluene	U	0.01	mg/L		0.01	SW846-8260
Total Xylene	U	0.03	mg/L		0.03	SW846-8260
trans-1,2-Dichloroethene	U	0.01	mg/L		0.01	SW846-8260
Trichloroethene	D	0.14	mg/L		0.002	SW846-8260
Vinyl chloride	U	0.004	mg/L		0.004	SW846-8260

# Paducah-OREIS Data Report

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12/18/2007

**MW369**  
**21009**  
**MW369UG1-07**

Collected: 10/18/2006

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	2	mg/L		2	SW846-9056
Chloride		46	mg/L		2	SW846-9056
Fluoride		0.2	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		15	mg/L		2	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010B
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic		0.00408	mg/L		0.001	SW846-6020
Barium		0.408	mg/L		0.005	SW846-6020
Barium, Dissolved		0.443	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6010B
Cadmium	U	0.0006	mg/L		0.0006	SW846-6020
Calcium		21.2	mg/L		1	SW846-6010B
Chromium	BU	0.01	mg/L		0.01	SW846-6020
Chromium, Dissolved	U	0.01	mg/L		0.01	SW846-6020
Cobalt		0.0638	mg/L		0.001	SW846-6020
Copper	U	0.02	mg/L		0.02	SW846-6020
Iron		4.65	mg/L		0.1	SW846-6010B
Lead	BU	0.0013	mg/L		0.0013	SW846-6020
Magnesium	X	9.24	mg/L		0.025	SW846-6010B
Manganese		0.577	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470A
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	N	0.0118	mg/L		0.005	SW846-6020
Potassium		0.832	mg/L		0.2	SW846-6010B
Rhodium	BU	0.005	mg/L		0.005	SW846-6020
Selenium	U	0.005	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium	B	47.9	mg/L		1	SW846-6010B
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	*BNU	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.88	Inches/Hg			
<b>PHYSC</b>						
Conductivity		415	umho/cm			
Depth to Water		40.21	ft			
Dissolved Oxygen		1.2	mg/L			
Dissolved Solids		234	mg/L		40	EPA-160.1
pH		6.25	Std Unit			
Redox		74	mV			
Suspended Solids	U	40	mg/L		40	EPA-160.2
Temperature		62.4	deg F			
Turbidity		4.3	NTU			

**MW369****21009****PPCB**

PCB, Total		0.00023	mg/L		0.0002	SW846-8082
PCB-1016		0.00023	mg/L		0.0002	SW846-8082
PCB-1221	U	0.00017	mg/L		0.0002	SW846-8082
PCB-1232	U	0.00013	mg/L		0.0001	SW846-8082
PCB-1242	U	0.0001	mg/L		0.0001	SW846-8082
PCB-1248	U	0.00011	mg/L		0.0001	SW846-8082
PCB-1254	U	0.00007	mg/L		7E-05	SW846-8082
PCB-1260	U	0.00005	mg/L		5E-05	SW846-8082
PCB-1268	U	0.00009	mg/L		9E-05	SW846-8082

**RADS**

Alpha activity	U	3.2	pCi/L	1.55	3.8	SW846-9310
Beta activity		18.6	pCi/L	2.67	4.47	SW846-9310
Iodine-131	U	-0.897	pCi/L	1.79	11.7	RL-7124
Radium-226	U	-0.0172	pCi/L	0.0173	0.311	RL-7129
Strontium-90	U	0.391	pCi/L	0.057	1.33	RL-7140
Technetium-99	U	16.7	pCi/L	14.2	20.1	RL-7100
Thorium-230	U	-0.0012	pCi/L	0.0506	0.234	RL-7128
Tritium	U	-170	pCi/L	166	281	704R8

**SVOA**

1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260

**VOA**

1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	UX	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	U	0.01	mg/L		0.01	SW846-8260
Acrolein	U	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260

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## MW369

### 21009

Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	U	0.005 mg/L	0.005	SW846-8260
Methylene chloride	U	0.005 mg/L	0.005	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene		0.0026 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Cyanide	JU	0.05 mg/L	0.05	SW846-9010B
Iodide	JU	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		1.6 mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.0244 mg/L	0.01	SW846-9020B

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**MW369**

**21009**

**MW369UGLA1-07**

Collected: 10/18/2006

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>HERB</b>						
2,4,5-T	U	0.00016	mg/L		0.0002	SW846-8151A
2,4-D	U	0.00016	mg/L		0.0002	SW846-8151A
Dinoseb	U	0.00016	mg/L		0.0002	SW846-8151A
Silvex	U	0.00016	mg/L		0.0002	SW846-8151A
<b>METAL</b>						
Tin	U	0.005	mg/L		0.005	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.88	Inches/Hg			
<b>PHYSC</b>						
Conductivity		415	umho/cm			
Depth to Water		40.21	ft			
Dissolved Oxygen		1.2	mg/L			
pH		6.25	Std Unit			
Redox		74	mV			
Temperature		62.4	deg F			
Turbidity		4.3	NTU			
<b>PCCB</b>						
4,4'-DDD	U	5E-06	mg/L		5E-06	SW846-8081A
4,4'-DDE	U	5E-06	mg/L		5E-06	SW846-8081A
4,4'-DDT	U	5E-06	mg/L		5E-06	SW846-8081A
Aldrin	U	2.5E-06	mg/L		3E-06	SW846-8081A
alpha-BHC	U	2.5E-06	mg/L		3E-06	SW846-8081A
alpha-Chlordane	U	2.5E-06	mg/L		3E-06	SW846-8081A
beta-BHC	U	2.5E-06	mg/L		3E-06	SW846-8081A
Chlordane	U	2.5E-06	mg/L		3E-06	SW846-8081A
delta-BHC	U	2.5E-06	mg/L		3E-06	SW846-8081A
Dieldrin	U	5E-06	mg/L		5E-06	SW846-8081A
Disulfoton	U	0.005	mg/L		0.005	SW846-8270C
Endosulfan I	U	2.5E-06	mg/L		3E-06	SW846-8081A
Endosulfan II	U	5E-06	mg/L		5E-06	SW846-8081A
Endosulfan sulfate	U	5E-06	mg/L		5E-06	SW846-8081A
Endrin	U	5E-06	mg/L		5E-06	SW846-8081A
Endrin aldehyde	U	5E-06	mg/L		5E-06	SW846-8081A
Endrin ketone	U	5E-06	mg/L		5E-06	SW846-8081A
Famphur	U	0.005	mg/L		0.005	SW846-8270C
gamma-Chlordane	U	2.5E-06	mg/L		3E-06	SW846-8081A
Heptachlor	P	5.9E-06	mg/L		3E-06	SW846-8081A
Heptachlor epoxide	U	2.5E-06	mg/L		3E-06	SW846-8081A
Isodrin	U	3.1E-05	mg/L		3E-05	SW846-8081A
Kepone	U	6.3E-05	mg/L		6E-05	SW846-8081A
Lindane	U	2.5E-06	mg/L		3E-06	SW846-8081A
Methoxychlor	U	2.5E-05	mg/L		3E-05	SW846-8081A
Methyl parathion	U	0.005	mg/L		0.005	SW846-8270C
Parathion	U	0.005	mg/L		0.005	SW846-8270C
Phorate	U	0.005	mg/L		0.005	SW846-8270C
Thionazin	U	0.005	mg/L		0.005	SW846-8270C
Toxaphene	U	2.5E-06	mg/L		3E-06	SW846-8081A
<b>RADS</b>						
Radium-228	U	-5.89	pCi/L	11.8	11.4	RL-7129

## MW369

## 21009

## SVOA

1,2,4,5-Tetrachlorobenzene	U	0.005	mg/L	0.005	SW846-8270C
1,2,4-Trichlorobenzene	UY	0.0047	mg/L	0.0047	SW846-8270
1,3,5-Trinitrobenzene	U	0.005	mg/L	0.005	SW846-8270C
1,3-Dichlorobenzene	U	0.0047	mg/L	0.0047	SW846-8270
1,3-Dinitrobenzene	U	0.01	mg/L	0.01	SW846-8270C
1,4-Naphthoquinone	U	0.01	mg/L	0.01	SW846-8270C
1-Naphthalenamine	U	0.005	mg/L	0.005	SW846-8270C
2,3,4,6-Tetrachlorophenol	U	0.005	mg/L	0.005	SW846-8270C
2,4,5-Trichlorophenol	U	0.0047	mg/L	0.0047	SW846-8270
2,4,6-Trichlorophenol	U	0.0047	mg/L	0.0047	SW846-8270
2,4-Dichlorophenol	U	0.0047	mg/L	0.0047	SW846-8270
2,4-Dimethylphenol	U	0.0047	mg/L	0.0047	SW846-8270
2,4-Dinitrophenol	U	0.0047	mg/L	0.0047	SW846-8270
2,4-Dinitrotoluene	U	0.0047	mg/L	0.0047	SW846-8270
2,6-Dichlorophenol	U	0.0047	mg/L	0.0047	SW846-8270
2,6-Dinitrotoluene	U	0.0047	mg/L	0.0047	SW846-8270
2-Acetylamino fluorene	U	0.005	mg/L	0.005	SW846-8270C
2-Chloronaphthalene	U	0.0047	mg/L	0.0047	SW846-8270
2-Chlorophenol	UY	0.0047	mg/L	0.0047	SW846-8270
2-Methyl-4,6-dinitrophenol	U	0.0047	mg/L	0.0047	SW846-8270
2-Methylnaphthalene	U	0.0047	mg/L	0.0047	SW846-8270
2-Methylphenol	U	0.0047	mg/L	0.0047	SW846-8270
2-Naphthalenamine	U	0.005	mg/L	0.005	SW846-8270C
2-Nitrobenzenamine	U	0.0047	mg/L	0.0047	SW846-8270
2-Nitrophenol	U	0.0047	mg/L	0.0047	SW846-8270
3,3'-Dichlorobenzidine	U	0.0047	mg/L	0.0047	SW846-8270
3,3'-Dimethylbenzidine	U	0.01	mg/L	0.01	SW846-8270C
3-Methylcholanthrene	U	0.005	mg/L	0.005	SW846-8270C
3-Methylphenol	U	0.005	mg/L	0.005	SW846-8270C
3-Nitrobenzenamine	U	0.0047	mg/L	0.0047	SW846-8270
4-Aminobiphenyl	U	0.005	mg/L	0.005	SW846-8270C
4-Bromophenyl phenyl ether	U	0.0047	mg/L	0.0047	SW846-8270
4-Chloro-3-methylphenol	UY	0.0047	mg/L	0.0047	SW846-8270
4-Chlorobenzenamine	U	0.0047	mg/L	0.0047	SW846-8270
4-Chlorophenyl phenyl ether	U	0.0047	mg/L	0.0047	SW846-8270
4-Nitrobenzenamine	U	0.0047	mg/L	0.0047	SW846-8270
4-Nitrophenol	JUY	0.0047	mg/L	0.0047	SW846-8270
5-(2-Propenyl)-1,3-benzodioxole (Safr)	U	0.005	mg/L	0.005	SW846-8270C
5-Nitro-o-toluidine	U	0.005	mg/L	0.005	SW846-8270C
7,12-Dimethylbenz(a)anthracene	U	0.005	mg/L	0.005	SW846-8270C
Acenaphthene	UY	0.0047	mg/L	0.0047	SW846-8270
Acenaphthylene	U	0.0047	mg/L	0.0047	SW846-8270
Acetophenone	U	0.005	mg/L	0.005	SW846-8270C
Anthracene	U	0.0047	mg/L	0.0047	SW846-8270
Benz(a)anthracene	U	0.0047	mg/L	0.0047	SW846-8270
Benzenemethanol	U	0.0047	mg/L	0.0047	SW846-8270
Benzo(a)pyrene	U	0.0047	mg/L	0.0047	SW846-8270
Benzo(b)fluoranthene	U	0.0047	mg/L	0.0047	SW846-8270
Benzo(ghi)perylene	U	0.0047	mg/L	0.0047	SW846-8270
Benzo(k)fluoranthene	U	0.0047	mg/L	0.0047	SW846-8270
Bis(2-chloroethoxy)methane	U	0.0047	mg/L	0.0047	SW846-8270
Bis(2-chloroethyl) ether	U	0.0047	mg/L	0.0047	SW846-8270
Bis(2-chloroisopropyl) ether	U	0.0047	mg/L	0.0047	SW846-8270
Bis(2-ethylhexyl)phthalate	U	0.0047	mg/L	0.0047	SW846-8270

**MW369****21009**

Butyl benzyl phthalate	U	0.0047	mg/L	0.0047	SW846-8270
Chlorobenzilate	U	0.005	mg/L	0.005	SW846-8270C
Chrysene	U	0.0047	mg/L	0.0047	SW846-8270
Diallate	U	0.005	mg/L	0.005	SW846-8270C
Dibenz(a,h)anthracene	U	0.0047	mg/L	0.0047	SW846-8270
Dibenzofuran	U	0.0047	mg/L	0.0047	SW846-8270
Diethyl phthalate	U	0.0047	mg/L	0.0047	SW846-8270
Dimethoate	U	0.005	mg/L	0.005	SW846-8270C
Dimethyl phthalate	U	0.0047	mg/L	0.0047	SW846-8270
Di-n-butyl phthalate	U	0.0047	mg/L	0.0047	SW846-8270
Di-n-octylphthalate	U	0.0047	mg/L	0.0047	SW846-8270
Diphenylamine	U	0.005	mg/L	0.005	SW846-8270C
Ethyl methanesulfonate	U	0.005	mg/L	0.005	SW846-8270C
Fluoranthene	U	0.0047	mg/L	0.0047	SW846-8270
Fluorene	U	0.0047	mg/L	0.0047	SW846-8270
Hexachloro-1-propene	U	0.005	mg/L	0.005	SW846-8270C
Hexachlorobenzene	U	0.0047	mg/L	0.0047	SW846-8270
Hexachlorobutadiene	U	0.0047	mg/L	0.0047	SW846-8270
Hexachlorocyclopentadiene	U	0.0047	mg/L	0.0047	SW846-8270
Hexachloroethane	U	0.0047	mg/L	0.0047	SW846-8270
Indeno(1,2,3-cd)pyrene	U	0.0047	mg/L	0.0047	SW846-8270
Isophorone	U	0.0047	mg/L	0.0047	SW846-8270
Isosafrole	U	0.005	mg/L	0.005	SW846-8270C
m,p-Cresol	U	0.0047	mg/L	0.0047	SW846-8270
Methapyrilene	U	0.01	mg/L	0.01	SW846-8270C
Methyl methanesulfonate	U	0.005	mg/L	0.005	SW846-8270C
Naphthalene	U	0.0047	mg/L	0.0047	SW846-8270
Nitrobenzene	U	0.0047	mg/L	0.0047	SW846-8270
N-Nitrosodiethylamine	U	0.005	mg/L	0.005	SW846-8270C
N-Nitrosodimethylamine	U	0.0047	mg/L	0.0047	SW846-8270
N-Nitroso-di-n-butylamine	U	0.005	mg/L	0.005	SW846-8270C
N-Nitroso-di-n-propylamine	UY	0.0047	mg/L	0.0047	SW846-8270
N-Nitrosodiphenylamine	U	0.0047	mg/L	0.0047	SW846-8270
N-Nitrosomethylethylamine	U	0.005	mg/L	0.005	SW846-8270C
N-Nitrosopiperidine	U	0.005	mg/L	0.005	SW846-8270C
N-Nitrosopyrrolidine	U	0.005	mg/L	0.005	SW846-8270C
O,O,O-Triethylphosphorothioate	U	0.005	mg/L	0.005	SW846-8270C
o-Toluidine	U	0.005	mg/L	0.005	SW846-8270C
p-Dimethylaminoazobenzene	U	0.005	mg/L	0.005	SW846-8270C
Pentachlorobenzene	U	0.005	mg/L	0.005	SW846-8270C
Pentachloronitrobenzene	U	0.005	mg/L	0.005	SW846-8270C
Pentachlorophenol	UY	0.0047	mg/L	0.0047	SW846-8270
Phenacetin	U	0.005	mg/L	0.005	SW846-8270C
Phenanthrene	U	0.0047	mg/L	0.0047	SW846-8270
Phenol	JUY	0.0047	mg/L	0.0047	SW846-8270
p-Phenylenediamine	U	0.025	mg/L	0.025	SW846-8270C
Pronamide	U	0.005	mg/L	0.005	SW846-8270C
Pyrene	UY	0.0047	mg/L	0.0047	SW846-8270
<b>VOA</b>					
1,1-Dichloropropene	U	0.0005	mg/L	0.0005	SW846-8260B
1,3-Dichloropropane	U	0.0005	mg/L	0.0005	SW846-8260B
1,4-Dioxane	U	0.01	mg/L	0.01	SW846-8260B
2,2-Dichloropropane	U	0.0005	mg/L	0.0005	SW846-8260B
2-Chloro-1,3-butadiene	U	0.0005	mg/L	0.0005	SW846-8260B
Acetonitrile	U	0.001	mg/L	0.001	SW846-8260B

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### 21009

Allyl chloride	U	0.0005 mg/L	0.0005	SW846-8260B
Dichlorodifluoromethane	JU	0.005 mg/L	0.005	SW846-8260
Ethyl cyanide	U	0.0025 mg/L	0.0025	SW846-8260B
Isobutanol	U	0.0025 mg/L	0.0025	SW846-8260B
Methacrylonitrile	U	0.0005 mg/L	0.0005	SW846-8260B
Methyl methacrylate	U	0.0005 mg/L	0.0005	SW846-8260B
Pentachloroethane	U	0.0005 mg/L	0.0005	SW846-8260B

#### WETCHEM

Bicarbonate as CaCO3		138 mg/L	10	SM-2320 B 17
Carbonate as CaCO3	U	10 mg/L	10	SM-2320 B 17
Sulfide	U	2 mg/L	2	EPA-376.1

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12/18/2007

**MW370**  
**21009**  
**MW370UG1-07**

Collected: 10/16/2006

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	2	mg/L		2	SW846-9056
Chloride		49	mg/L		5	SW846-9056
Fluoride		0.16	mg/L		0.1	9214
Nitrate as Nitrogen		1.4	mg/L		1	SW846-9056
Sulfate		16	mg/L		2	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010B
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic		0.00159	mg/L		0.001	SW846-6020
Barium		0.203	mg/L		0.005	SW846-6020
Barium, Dissolved		0.202	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6010B
Cadmium	U	0.0006	mg/L		0.0006	SW846-6020
Calcium		29.5	mg/L		1	SW846-6010B
Chromium	BU	0.01	mg/L		0.01	SW846-6020
Chromium, Dissolved	U	0.01	mg/L		0.01	SW846-6020
Cobalt		0.00208	mg/L		0.001	SW846-6020
Copper	U	0.02	mg/L		0.02	SW846-6020
Iron	B	0.105	mg/L		0.1	SW846-6010B
Lead	BU	0.0013	mg/L		0.0013	SW846-6020
Magnesium	X	12.3	mg/L		0.025	SW846-6010B
Manganese		0.0547	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470A
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	NU	0.005	mg/L		0.005	SW846-6020
Potassium		2.62	mg/L		0.2	SW846-6010B
Rhodium	BU	0.005	mg/L		0.005	SW846-6020
Selenium	U	0.005	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium	B	35.7	mg/L		1	SW846-6010B
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	*BNU	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.91	Inches/Hg			
<b>PHYSC</b>						
Conductivity		448	umho/cm			
Depth to Water		40.98	ft			
Dissolved Oxygen		3.91	mg/L			
Dissolved Solids	J	236	mg/L		40	EPA-160.1
pH		6.05	Std Unit			
Redox		242	mV			
Suspended Solids	U	40	mg/L		40	EPA-160.2
Temperature		59.2	deg F			
Turbidity		0	NTU			

**MW370****21009****PPCB**

PCB, Total	UY	0.00017	mg/L	0.0002	SW846-8082
PCB-1016	UY	0.00016	mg/L	0.0002	SW846-8082
PCB-1221	UY	0.00017	mg/L	0.0002	SW846-8082
PCB-1232	UY	0.00013	mg/L	0.0001	SW846-8082
PCB-1242	UY	0.0001	mg/L	0.0001	SW846-8082
PCB-1248	UY	0.00011	mg/L	0.0001	SW846-8082
PCB-1254	UY	0.00007	mg/L	7E-05	SW846-8082
PCB-1260	UY	0.00005	mg/L	5E-05	SW846-8082
PCB-1268	UY	0.00009	mg/L	9E-05	SW846-8082

**RADS**

Alpha activity	U	0.441	pCi/L	0.279	3.74	SW846-9310
Beta activity		23	pCi/L	3.05	4.45	SW846-9310
Iodine-131	U	-0.0152	pCi/L	0.0304	1.46	RL-7124
Radium-226	U	0.137	pCi/L	0.146	0.297	RL-7129
Strontium-90	U	0.0448	pCi/L	0.0070	1.42	RL-7140
Technetium-99	U	18.7	pCi/L	14.3	20.1	RL-7100
Thorium-230	U	-0.028	pCi/L	0.0255	0.25	RL-7128
Tritium	U	-99	pCi/L	164	276	704R8

**SVOA**

1,2-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260

**VOA**

1,1,1,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JU	0.0002	mg/L	0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	0.005	SW846-8260
2-Butanone	U	0.01	mg/L	0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	JU	0.01	mg/L	0.01	SW846-8260
Acetone	U	0.01	mg/L	0.01	SW846-8260
Acrolein	U	0.01	mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L	0.01	SW846-8260
Benzene	U	0.005	mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromoform	U	0.005	mg/L	0.005	SW846-8260
Bromomethane	U	0.005	mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L	0.005	SW846-8260
Chloroethane	U	0.005	mg/L	0.005	SW846-8260
Chloroform	U	0.005	mg/L	0.005	SW846-8260
Chloromethane	U	0.005	mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Dibromomethane	U	0.005	mg/L	0.005	SW846-8260

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Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	U	0.005 mg/L	0.005	SW846-8260
Methylene chloride	U	0.005 mg/L	0.005	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene		0.0048 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Cyanide	JU	0.05 mg/L	0.05	SW846-9010B
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	N	0.0132 mg/L	0.01	SW846-9020B

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**MW370**

**21009**

**MW370UGLA1-07**

Collected: 10/16/2006

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>HERB</b>						
2,4,5-T	U	0.00016	mg/L		0.0002	SW846-8151A
2,4-D	U	0.00016	mg/L		0.0002	SW846-8151A
Dinoseb	U	0.00016	mg/L		0.0002	SW846-8151A
Silvex	U	0.00016	mg/L		0.0002	SW846-8151A
<b>METAL</b>						
Tin	U	0.005	mg/L		0.005	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.91	Inches/Hg			
<b>PHYSC</b>						
Conductivity		448	umho/cm			
Depth to Water		40.98	ft			
Dissolved Oxygen		3.91	mg/L			
pH		6.05	Std Unit			
Redox		242	mV			
Temperature		59.2	deg F			
Turbidity		0	NTU			
<b>PCCB</b>						
4,4'-DDD	U	5E-06	mg/L		5E-06	SW846-8081A
4,4'-DDE	U	5E-06	mg/L		5E-06	SW846-8081A
4,4'-DDT	U	5E-06	mg/L		5E-06	SW846-8081A
Aldrin	U	2.5E-06	mg/L		3E-06	SW846-8081A
alpha-BHC	U	2.5E-06	mg/L		3E-06	SW846-8081A
alpha-Chlordane	U	2.5E-06	mg/L		3E-06	SW846-8081A
beta-BHC	U	2.5E-06	mg/L		3E-06	SW846-8081A
Chlordane	U	2.5E-06	mg/L		3E-06	SW846-8081A
delta-BHC	U	2.5E-06	mg/L		3E-06	SW846-8081A
Dieldrin	U	5E-06	mg/L		5E-06	SW846-8081A
Disulfoton	U	0.005	mg/L		0.005	SW846-8270C
Endosulfan I	U	2.5E-06	mg/L		3E-06	SW846-8081A
Endosulfan II	U	5E-06	mg/L		5E-06	SW846-8081A
Endosulfan sulfate	U	5E-06	mg/L		5E-06	SW846-8081A
Endrin	U	5E-06	mg/L		5E-06	SW846-8081A
Endrin aldehyde	U	5E-06	mg/L		5E-06	SW846-8081A
Endrin ketone	U	5E-06	mg/L		5E-06	SW846-8081A
Famphur	U	0.005	mg/L		0.005	SW846-8270C
gamma-Chlordane	U	2.5E-06	mg/L		3E-06	SW846-8081A
Heptachlor	U	2.5E-06	mg/L		3E-06	SW846-8081A
Heptachlor epoxide	U	2.5E-06	mg/L		3E-06	SW846-8081A
Isodrin	U	3.1E-05	mg/L		3E-05	SW846-8081A
Kepone	U	6.3E-05	mg/L		6E-05	SW846-8081A
Lindane	U	2.5E-06	mg/L		3E-06	SW846-8081A
Methoxychlor	U	2.5E-05	mg/L		3E-05	SW846-8081A
Methyl parathion	U	0.005	mg/L		0.005	SW846-8270C
Parathion	U	0.005	mg/L		0.005	SW846-8270C
Phorate	U	0.005	mg/L		0.005	SW846-8270C
Thionazin	U	0.005	mg/L		0.005	SW846-8270C
Toxaphene	U	2.5E-06	mg/L		3E-06	SW846-8081A
<b>RADS</b>						
Radium-228	U	-3.47	pCi/L	6.95	12.8	RL-7129

## MW370

## 21009

## SVOA

1,2,4,5-Tetrachlorobenzene	U	0.005	mg/L	0.005	SW846-8270C
1,2,4-Trichlorobenzene	UY	0.0047	mg/L	0.0047	SW846-8270
1,3,5-Trinitrobenzene	U	0.005	mg/L	0.005	SW846-8270C
1,3-Dichlorobenzene	U	0.0047	mg/L	0.0047	SW846-8270
1,3-Dinitrobenzene	U	0.01	mg/L	0.01	SW846-8270C
1,4-Naphthoquinone	U	0.01	mg/L	0.01	SW846-8270C
1-Naphthalenamine	U	0.005	mg/L	0.005	SW846-8270C
2,3,4,6-Tetrachlorophenol	U	0.005	mg/L	0.005	SW846-8270C
2,4,5-Trichlorophenol	U	0.0047	mg/L	0.0047	SW846-8270
2,4,6-Trichlorophenol	U	0.0047	mg/L	0.0047	SW846-8270
2,4-Dichlorophenol	U	0.0047	mg/L	0.0047	SW846-8270
2,4-Dimethylphenol	U	0.0047	mg/L	0.0047	SW846-8270
2,4-Dinitrophenol	U	0.0047	mg/L	0.0047	SW846-8270
2,4-Dinitrotoluene	U	0.0047	mg/L	0.0047	SW846-8270
2,6-Dichlorophenol	U	0.0047	mg/L	0.0047	SW846-8270
2,6-Dinitrotoluene	U	0.0047	mg/L	0.0047	SW846-8270
2-Acetylaminofluorene	U	0.005	mg/L	0.005	SW846-8270C
2-Chloronaphthalene	U	0.0047	mg/L	0.0047	SW846-8270
2-Chlorophenol	UY	0.0047	mg/L	0.0047	SW846-8270
2-Methyl-4,6-dinitrophenol	U	0.0047	mg/L	0.0047	SW846-8270
2-Methylnaphthalene	U	0.0047	mg/L	0.0047	SW846-8270
2-Methylphenol	U	0.0047	mg/L	0.0047	SW846-8270
2-Naphthalenamine	U	0.005	mg/L	0.005	SW846-8270C
2-Nitrobenzenamine	U	0.0047	mg/L	0.0047	SW846-8270
2-Nitrophenol	U	0.0047	mg/L	0.0047	SW846-8270
3,3'-Dichlorobenzidine	U	0.0047	mg/L	0.0047	SW846-8270
3,3'-Dimethylbenzidine	U	0.01	mg/L	0.01	SW846-8270C
3-Methylcholanthrene	U	0.005	mg/L	0.005	SW846-8270C
3-Methylphenol	U	0.005	mg/L	0.005	SW846-8270C
3-Nitrobenzenamine	U	0.0047	mg/L	0.0047	SW846-8270
4-Aminobiphenyl	U	0.005	mg/L	0.005	SW846-8270C
4-Bromophenyl phenyl ether	U	0.0047	mg/L	0.0047	SW846-8270
4-Chloro-3-methylphenol	UY	0.0047	mg/L	0.0047	SW846-8270
4-Chlorobenzenamine	U	0.0047	mg/L	0.0047	SW846-8270
4-Chlorophenyl phenyl ether	U	0.0047	mg/L	0.0047	SW846-8270
4-Nitrobenzenamine	U	0.0047	mg/L	0.0047	SW846-8270
4-Nitrophenol	JUY	0.0047	mg/L	0.0047	SW846-8270
5-(2-Propenyl)-1,3-benzodioxole (Safr	U	0.005	mg/L	0.005	SW846-8270C
5-Nitro-o-toluidine	U	0.005	mg/L	0.005	SW846-8270C
7,12-Dimethylbenz(a)anthracene	U	0.005	mg/L	0.005	SW846-8270C
Acenaphthene	UY	0.0047	mg/L	0.0047	SW846-8270
Acenaphthylene	U	0.0047	mg/L	0.0047	SW846-8270
Acetophenone	U	0.005	mg/L	0.005	SW846-8270C
Anthracene	U	0.0047	mg/L	0.0047	SW846-8270
Benz(a)anthracene	U	0.0047	mg/L	0.0047	SW846-8270
Benzenemethanol	U	0.0047	mg/L	0.0047	SW846-8270
Benzo(a)pyrene	U	0.0047	mg/L	0.0047	SW846-8270
Benzo(b)fluoranthene	U	0.0047	mg/L	0.0047	SW846-8270
Benzo(ghi)perylene	U	0.0047	mg/L	0.0047	SW846-8270
Benzo(k)fluoranthene	U	0.0047	mg/L	0.0047	SW846-8270
Bis(2-chloroethoxy)methane	U	0.0047	mg/L	0.0047	SW846-8270
Bis(2-chloroethyl) ether	U	0.0047	mg/L	0.0047	SW846-8270
Bis(2-chloroisopropyl) ether	U	0.0047	mg/L	0.0047	SW846-8270
Bis(2-ethylhexyl)phthalate	U	0.0047	mg/L	0.0047	SW846-8270

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### 21009

Butyl benzyl phthalate	U	0.0047	mg/L	0.0047	SW846-8270
Chlorobenzilate	U	0.005	mg/L	0.005	SW846-8270C
Chrysene	U	0.0047	mg/L	0.0047	SW846-8270
Diallate	U	0.005	mg/L	0.005	SW846-8270C
Dibenz(a,h)anthracene	U	0.0047	mg/L	0.0047	SW846-8270
Dibenzofuran	U	0.0047	mg/L	0.0047	SW846-8270
Diethyl phthalate	U	0.0047	mg/L	0.0047	SW846-8270
Dimethoate	U	0.005	mg/L	0.005	SW846-8270C
Dimethyl phthalate	U	0.0047	mg/L	0.0047	SW846-8270
Di-n-butyl phthalate	U	0.0047	mg/L	0.0047	SW846-8270
Di-n-octylphthalate	U	0.0047	mg/L	0.0047	SW846-8270
Diphenylamine	U	0.005	mg/L	0.005	SW846-8270C
Ethyl methanesulfonate	U	0.005	mg/L	0.005	SW846-8270C
Fluoranthene	U	0.0047	mg/L	0.0047	SW846-8270
Fluorene	U	0.0047	mg/L	0.0047	SW846-8270
Hexachloro-1-propene	U	0.005	mg/L	0.005	SW846-8270C
Hexachlorobenzene	U	0.0047	mg/L	0.0047	SW846-8270
Hexachlorobutadiene	U	0.0047	mg/L	0.0047	SW846-8270
Hexachlorocyclopentadiene	U	0.0047	mg/L	0.0047	SW846-8270
Hexachloroethane	U	0.0047	mg/L	0.0047	SW846-8270
Indeno(1,2,3-cd)pyrene	U	0.0047	mg/L	0.0047	SW846-8270
Isophorone	U	0.0047	mg/L	0.0047	SW846-8270
Isosafrole	U	0.005	mg/L	0.005	SW846-8270C
m,p-Cresol	U	0.0047	mg/L	0.0047	SW846-8270
Methapyrilene	U	0.01	mg/L	0.01	SW846-8270C
Methyl methanesulfonate	U	0.005	mg/L	0.005	SW846-8270C
Naphthalene	U	0.0047	mg/L	0.0047	SW846-8270
Nitrobenzene	U	0.0047	mg/L	0.0047	SW846-8270
N-Nitrosodiethylamine	U	0.005	mg/L	0.005	SW846-8270C
N-Nitrosodimethylamine	U	0.0047	mg/L	0.0047	SW846-8270
N-Nitroso-di-n-butylamine	U	0.005	mg/L	0.005	SW846-8270C
N-Nitroso-di-n-propylamine	UY	0.0047	mg/L	0.0047	SW846-8270
N-Nitrosodiphenylamine	U	0.0047	mg/L	0.0047	SW846-8270
N-Nitrosomethylethylamine	U	0.005	mg/L	0.005	SW846-8270C
N-Nitrosopiperidine	U	0.005	mg/L	0.005	SW846-8270C
N-Nitrosopyrrolidine	U	0.005	mg/L	0.005	SW846-8270C
O,O,O-Triethylphosphorothioate	U	0.005	mg/L	0.005	SW846-8270C
o-Toluidine	U	0.005	mg/L	0.005	SW846-8270C
p-Dimethylaminoazobenzene	U	0.005	mg/L	0.005	SW846-8270C
Pentachlorobenzene	U	0.005	mg/L	0.005	SW846-8270C
Pentachloronitrobenzene	U	0.005	mg/L	0.005	SW846-8270C
Pentachlorophenol	UY	0.0047	mg/L	0.0047	SW846-8270
Phenacetin	U	0.005	mg/L	0.005	SW846-8270C
Phenanthrene	U	0.0047	mg/L	0.0047	SW846-8270
Phenol	JUY	0.0047	mg/L	0.0047	SW846-8270
p-Phenylenediamine	U	0.025	mg/L	0.025	SW846-8270C
Pronamide	U	0.005	mg/L	0.005	SW846-8270C
Pyrene	UY	0.0047	mg/L	0.0047	SW846-8270
<b>VOA</b>					
1,1-Dichloropropene	U	0.0005	mg/L	0.0005	SW846-8260B
1,3-Dichloropropane	U	0.0005	mg/L	0.0005	SW846-8260B
1,4-Dioxane	U	0.01	mg/L	0.01	SW846-8260B
2,2-Dichloropropane	U	0.0005	mg/L	0.0005	SW846-8260B
2-Chloro-1,3-butadiene	U	0.0005	mg/L	0.0005	SW846-8260B
Acetonitrile	U	0.001	mg/L	0.001	SW846-8260B

# Paducah-OREIS Data Report

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## MW370

### 21009

Allyl chloride	U	0.0005 mg/L	0.0005	SW846-8260B
Dichlorodifluoromethane	U	0.005 mg/L	0.005	SW846-8260
Ethyl cyanide	U	0.0025 mg/L	0.0025	SW846-8260B
Isobutanol	U	0.0025 mg/L	0.0025	SW846-8260B
Methacrylonitrile	U	0.0005 mg/L	0.0005	SW846-8260B
Methyl methacrylate	U	0.0005 mg/L	0.0005	SW846-8260B
Pentachloroethane	U	0.0005 mg/L	0.0005	SW846-8260B
<b>WETCHEM</b>				
Bicarbonate as CaCO3		114 mg/L	10	SM-2320 B 17
Carbonate as CaCO3	U	10 mg/L	10	SM-2320 B 17
Sulfide	NU	2 mg/L	2	EPA-376.1

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# Paducah-OREIS Data Report

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**MW371**

**21009**

**MW371UG1-07**

Collected: 10/12/2006

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	2	mg/L		2	SW846-9056
Chloride		8.2	mg/L		2	SW846-9056
Fluoride		0.3	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		4.6	mg/L		2	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010B
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic	U	0.001	mg/L		0.001	SW846-6020
Barium		0.11	mg/L		0.005	SW846-6020
Barium, Dissolved		0.114	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6010B
Cadmium	U	0.0006	mg/L		0.0006	SW846-6020
Calcium		26.3	mg/L		1	SW846-6010B
Chromium	BU	0.01	mg/L		0.01	SW846-6020
Chromium, Dissolved	U	0.01	mg/L		0.01	SW846-6020
Cobalt	U	0.001	mg/L		0.001	SW846-6020
Copper	U	0.02	mg/L		0.02	SW846-6020
Iron	BU	0.1	mg/L		0.1	SW846-6010B
Lead	BU	0.0013	mg/L		0.0013	SW846-6020
Magnesium	X	10.9	mg/L		0.025	SW846-6010B
Manganese	U	0.005	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470A
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	NU	0.005	mg/L		0.005	SW846-6020
Potassium		0.392	mg/L		0.2	SW846-6010B
Rhodium	BU	0.005	mg/L		0.005	SW846-6020
Selenium	U	0.005	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium	B	121	mg/L		1	SW846-6010B
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	*BNU	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		30	Inches/Hg			
<b>PHYSC</b>						
Conductivity		583	umho/cm			
Depth to Water		23.38	ft			
Dissolved Oxygen		2.21	mg/L			
Dissolved Solids		400	mg/L		40	EPA-160.1
pH		6.5	Std Unit			
Redox		86	mV			
Suspended Solids	U	40	mg/L		40	EPA-160.2
Temperature		57.3	deg F			
Turbidity		2.8	NTU			



**MW371**

**21009**

**PPCB**

PCB, Total	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1016	U	0.00016	mg/L	0.0002	SW846-8082
PCB-1221	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1232	U	0.00013	mg/L	0.0001	SW846-8082
PCB-1242	U	0.0001	mg/L	0.0001	SW846-8082
PCB-1248	U	0.00011	mg/L	0.0001	SW846-8082
PCB-1254	U	0.00007	mg/L	7E-05	SW846-8082
PCB-1260	U	0.00005	mg/L	5E-05	SW846-8082
PCB-1268	U	0.00009	mg/L	9E-05	SW846-8082

**RADS**

Alpha activity	U	1.87	pCi/L	1.32	6.66	SW846-9310
Beta activity	U	2.78	pCi/L	0.625	5.08	SW846-9310
Iodine-131	U	-0.201	pCi/L	0.401	10.2	RL-7124
Radium-226	U	-0.0293	pCi/L	0.0416	0.3	RL-7129
Strontium-90	U	0.275	pCi/L	0.0418	1.73	RL-7140
Technetium-99	U	8.22	pCi/L	12.4	17.8	RL-7100
Thorium-230	U	0.0625	pCi/L	0.0714	0.235	RL-7128
Tritium	U	121	pCi/L	168	277	704R8

**SVOA**

1,2-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260

**VOA**

1,1,1,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JU	0.0002	mg/L	0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	0.005	SW846-8260
2-Butanone	U	0.01	mg/L	0.01	SW846-8260
2-Hexanone	U	0.01	mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L	0.01	SW846-8260
Acetone	JU	0.01	mg/L	0.01	SW846-8260
Acrolein	U	0.01	mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L	0.01	SW846-8260
Benzene	U	0.005	mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromoform	U	0.005	mg/L	0.005	SW846-8260
Bromomethane	U	0.005	mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L	0.005	SW846-8260
Chloroethane	JU	0.005	mg/L	0.005	SW846-8260
Chloroform	U	0.005	mg/L	0.005	SW846-8260
Chloromethane	U	0.005	mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Dibromomethane	U	0.005	mg/L	0.005	SW846-8260

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## MW371

### 21009

Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	U	0.005 mg/L	0.005	SW846-8260
Methylene chloride	U	0.005 mg/L	0.005	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	JU	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Cyanide	JU	0.05 mg/L	0.05	SW846-9010B
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		1.7 mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.0105 mg/L	0.01	SW846-9020B

# Paducah-OREIS Data Report

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**MW185**

**21015**

**MW185SA4-06**

Collected: 9/6/2006

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Uranium	U	0.005	mg/L		0.005	ST7106
Uranium	U	0.001	mg/L		0.001	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		30.09	Inches/Hg			
<b>PHYSC</b>						
Conductivity		448	umho/cm			
Depth to Water		48.18	ft			
Dissolved Oxygen		2	mg/L			
pH		6.17	Std Unit			
Redox		259	mV			
Temperature		62.9	deg F			
Turbidity		2.9	NTU			
<b>RADS</b>						
Alpha activity		12.8	pCi/L	1.79	2.64	SW846-9310
Beta activity		471	pCi/L	15.7	3.7	SW846-9310
Technetium-99		725	pCi/L	28.5	18.7	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.25	mg/L		0.25	SW846-8260
1,1,2-Trichloroethane	U	0.25	mg/L		0.25	SW846-8260
1,1-Dichloroethane	U	0.25	mg/L		0.25	SW846-8260
1,1-Dichloroethene	U	0.25	mg/L		0.25	SW846-8260
1,2-Dichloroethane	U	0.25	mg/L		0.25	SW846-8260
Benzene	U	0.25	mg/L		0.25	SW846-8260
Bromodichloromethane	U	0.25	mg/L		0.25	SW846-8260
Carbon tetrachloride	U	0.25	mg/L		0.25	SW846-8260
Chloroform	U	0.25	mg/L		0.25	SW846-8260
cis-1,2-Dichloroethene	U	0.25	mg/L		0.25	SW846-8260
Ethylbenzene	U	0.25	mg/L		0.25	SW846-8260
Tetrachloroethene	U	0.25	mg/L		0.25	SW846-8260
Toluene	U	0.25	mg/L		0.25	SW846-8260
Total Xylene	U	0.75	mg/L		0.75	SW846-8260
trans-1,2-Dichloroethene	U	0.25	mg/L		0.25	SW846-8260
Trichloroethene	D	3.2	mg/L		0.05	SW846-8260
Vinyl chloride	U	0.1	mg/L		0.1	SW846-8260

# Paducah-OREIS Data Report

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**MW186**

**21015**

**MW186SA4-06**

Collected: 9/12/2006

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium	U	0.005	mg/L		0.005	ST7106
<b>METEO</b>						
Barometric Pressure Reading		29.94	Inches/Hg			
<b>PHYSC</b>						
Conductivity		1396	umho/cm			
Depth to Water		7.52	ft			
Dissolved Oxygen		1.83	mg/L			
pH		5.88	Std Unit			
Redox		208	mV			
Temperature		68	deg F			
Turbidity		22.7	NTU			
<b>RADS</b>						
Alpha activity	U	-3.07	pCi/L	2.51	11.6	SW846-9310
Beta activity		47.3	pCi/L	6.45	9.89	SW846-9310
Technetium-99	U	7.81	pCi/L	14.9	20.6	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.05	mg/L		0.05	SW846-8260
1,1,2-Trichloroethane	U	0.05	mg/L		0.05	SW846-8260
1,1-Dichloroethane	U	0.05	mg/L		0.05	SW846-8260
1,1-Dichloroethene	U	0.05	mg/L		0.05	SW846-8260
1,2-Dichloroethane	U	0.05	mg/L		0.05	SW846-8260
Benzene	U	0.05	mg/L		0.05	SW846-8260
Bromodichloromethane	U	0.05	mg/L		0.05	SW846-8260
Carbon tetrachloride	U	0.05	mg/L		0.05	SW846-8260
Chloroform	U	0.05	mg/L		0.05	SW846-8260
cis-1,2-Dichloroethene	D	0.44	mg/L		0.05	SW846-8260
Ethylbenzene	U	0.05	mg/L		0.05	SW846-8260
Tetrachloroethene	U	0.05	mg/L		0.05	SW846-8260
Toluene	U	0.05	mg/L		0.05	SW846-8260
Total Xylene	U	0.15	mg/L		0.15	SW846-8260
trans-1,2-Dichloroethene	U	0.05	mg/L		0.05	SW846-8260
Trichloroethene	D	0.18	mg/L		0.01	SW846-8260
Vinyl chloride	D	0.81	mg/L		0.02	SW846-8260

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**MW187**  
**21015**  
**MW187SA4-06**

Collected: 9/6/2006

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>METAL</b>						
Uranium	U	0.005	mg/L		0.005	ST7106
Uranium	U	0.001	mg/L		0.001	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		30.09	Inches/Hg			
<b>PHYSC</b>						
Conductivity		857	umho/cm			
Depth to Water		7.38	ft			
Dissolved Oxygen		1.41	mg/L			
pH		6.3	Std Unit			
Redox		273	mV			
Temperature		66.7	deg F			
Turbidity		96.4	NTU			
<b>RADS</b>						
Alpha activity		9.82	pCi/L	4.01	5.48	SW846-9310
Beta activity		6.72	pCi/L	1.44	4.63	SW846-9310
Technetium-99	U	0.93	pCi/L	13.5	18.7	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.12	mg/L		0.12	SW846-8260
1,1,2-Trichloroethane	U	0.12	mg/L		0.12	SW846-8260
1,1-Dichloroethane	U	0.12	mg/L		0.12	SW846-8260
1,1-Dichloroethene	U	0.12	mg/L		0.12	SW846-8260
1,2-Dichloroethane	U	0.12	mg/L		0.12	SW846-8260
Benzene	U	0.12	mg/L		0.12	SW846-8260
Bromodichloromethane	U	0.12	mg/L		0.12	SW846-8260
Carbon tetrachloride	U	0.12	mg/L		0.12	SW846-8260
Chloroform	U	0.12	mg/L		0.12	SW846-8260
cis-1,2-Dichloroethene	U	0.12	mg/L		0.12	SW846-8260
Ethylbenzene	U	0.12	mg/L		0.12	SW846-8260
Tetrachloroethene	U	0.12	mg/L		0.12	SW846-8260
Toluene	U	0.12	mg/L		0.12	SW846-8260
Total Xylene	U	0.38	mg/L		0.38	SW846-8260
trans-1,2-Dichloroethene	U	0.12	mg/L		0.12	SW846-8260
Trichloroethene	D	2	mg/L		0.025	SW846-8260
Vinyl chloride	U	0.05	mg/L		0.05	SW846-8260

# Paducah-OREIS Data Report

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**MW333**

**21015**

**MW333SA4-06**

Collected: 9/12/2006

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Uranium	U	0.005	mg/L		0.005	ST7106
Uranium	U	0.001	mg/L		0.001	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.94	Inches/Hg			
<b>PHYSC</b>						
Conductivity		245	umho/cm			
Depth to Water		51.23	ft			
Dissolved Oxygen		2.43	mg/L			
pH		6	Std Unit			
Redox		159	mV			
Temperature		67.6	deg F			
Turbidity		70.7	NTU			
<b>RADS</b>						
Alpha activity	U	1.58	pCi/L	0.953	3.11	SW846-9310
Beta activity		4.31	pCi/L	0.884	4.18	SW846-9310
Technetium-99	U	-12.7	pCi/L	13.5	20.6	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.12	mg/L		0.12	SW846-8260
1,1,2-Trichloroethane	U	0.12	mg/L		0.12	SW846-8260
1,1-Dichloroethane	U	0.12	mg/L		0.12	SW846-8260
1,1-Dichloroethene	U	0.12	mg/L		0.12	SW846-8260
1,2-Dichloroethane	U	0.12	mg/L		0.12	SW846-8260
Benzene	U	0.12	mg/L		0.12	SW846-8260
Bromodichloromethane	U	0.12	mg/L		0.12	SW846-8260
Carbon tetrachloride	U	0.12	mg/L		0.12	SW846-8260
Chloroform	U	0.12	mg/L		0.12	SW846-8260
cis-1,2-Dichloroethene	D	0.18	mg/L		0.12	SW846-8260
Ethylbenzene	U	0.12	mg/L		0.12	SW846-8260
Tetrachloroethene	U	0.12	mg/L		0.12	SW846-8260
Toluene	U	0.12	mg/L		0.12	SW846-8260
Total Xylene	U	0.38	mg/L		0.38	SW846-8260
trans-1,2-Dichloroethene	U	0.12	mg/L		0.12	SW846-8260
Trichloroethene	D	1.6	mg/L		0.025	SW846-8260
Vinyl chloride	U	0.05	mg/L		0.05	SW846-8260

# Paducah-OREIS Data Report

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**MW337**  
**21015**  
**MW337SA4-06**

Collected: 9/12/2006

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium	U	0.005	mg/L		0.005	ST7106
<b>METEO</b>						
Barometric Pressure Reading		29.94	Inches/Hg			
<b>PHYSC</b>						
Conductivity		205	umho/cm			
Depth to Water		48.72	ft			
Dissolved Oxygen		5.03	mg/L			
pH		5.69	Std Unit			
Redox		250	mV			
Temperature		65.5	deg F			
Turbidity		14.8	NTU			
<b>RADS</b>						
Alpha activity		3.19	pCi/L	0.894	2.95	SW846-9310
Beta activity		157	pCi/L	8.73	4.08	SW846-9310
Technetium-99		229	pCi/L	20.5	20.6	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.05	mg/L		0.05	SW846-8260
1,1,2-Trichloroethane	U	0.05	mg/L		0.05	SW846-8260
1,1-Dichloroethane	U	0.05	mg/L		0.05	SW846-8260
1,1-Dichloroethene	U	0.05	mg/L		0.05	SW846-8260
1,2-Dichloroethane	U	0.05	mg/L		0.05	SW846-8260
Benzene	U	0.05	mg/L		0.05	SW846-8260
Bromodichloromethane	U	0.05	mg/L		0.05	SW846-8260
Carbon tetrachloride	U	0.05	mg/L		0.05	SW846-8260
Chloroform	U	0.05	mg/L		0.05	SW846-8260
cis-1,2-Dichloroethene	D	0.051	mg/L		0.05	SW846-8260
Ethylbenzene	U	0.05	mg/L		0.05	SW846-8260
Tetrachloroethene	U	0.05	mg/L		0.05	SW846-8260
Toluene	U	0.05	mg/L		0.05	SW846-8260
Total Xylene	U	0.15	mg/L		0.15	SW846-8260
trans-1,2-Dichloroethene	U	0.05	mg/L		0.05	SW846-8260
Trichloroethene	D	0.67	mg/L		0.01	SW846-8260
Vinyl chloride	U	0.02	mg/L		0.02	SW846-8260

# Paducah-OREIS Data Report

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12/18/2007

**MW338**  
**21015**  
**MW338SA4-06**

Collected: 9/12/2006

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Uranium	U	0.005	mg/L		0.005	ST7106
Uranium	U	0.001	mg/L		0.001	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.94	Inches/Hg			
<b>PHYSC</b>						
Conductivity		208	umho/cm			
Depth to Water		48.94	ft			
Dissolved Oxygen		5.94	mg/L			
pH		5.66	Std Unit			
Redox		282	mV			
Temperature		65.2	deg F			
Turbidity		33.6	NTU			
<b>RADS</b>						
Alpha activity	U	0.511	pCi/L	0.362	2.94	SW846-9310
Beta activity		7.01	pCi/L	1.3	4.08	SW846-9310
Technetium-99	U	-7.99	pCi/L	13.7	20.6	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene		0.025	mg/L		0.001	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260



# Paducah-OREIS Data Report

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12/18/2007

**MW339**

**21015**

**MW339SA4-06**

Collected: 9/6/2006

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium	U	0.005	mg/L		0.005	ST7106
<b>METEO</b>						
Barometric Pressure Reading		30.09	Inches/Hg			
<b>PHYSC</b>						
Conductivity		452	umho/cm			
Depth to Water		48.73	ft			
Dissolved Oxygen		3.31	mg/L			
pH		5.8	Std Unit			
Redox		284	mV			
Temperature		69	deg F			
Turbidity		32.1	NTU			
<b>RADS</b>						
Alpha activity		11.1	pCi/L	1.11	2.94	SW846-9310
Beta activity		1170	pCi/L	25.2	3.84	SW846-9310
Technetium-99		2000	pCi/L	44.1	18.7	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	1	mg/L		1	SW846-8260
1,1,2-Trichloroethane	U	1	mg/L		1	SW846-8260
1,1-Dichloroethane	U	1	mg/L		1	SW846-8260
1,1-Dichloroethene	U	1	mg/L		1	SW846-8260
1,2-Dichloroethane	U	1	mg/L		1	SW846-8260
Benzene	U	1	mg/L		1	SW846-8260
Bromodichloromethane	U	1	mg/L		1	SW846-8260
Carbon tetrachloride	U	1	mg/L		1	SW846-8260
Chloroform	U	1	mg/L		1	SW846-8260
cis-1,2-Dichloroethene	D	2.1	mg/L		1	SW846-8260
Ethylbenzene	U	1	mg/L		1	SW846-8260
Tetrachloroethene	U	1	mg/L		1	SW846-8260
Toluene	U	1	mg/L		1	SW846-8260
Total Xylene	U	3	mg/L		3	SW846-8260
trans-1,2-Dichloroethene	U	1	mg/L		1	SW846-8260
Trichloroethene	D	14	mg/L		0.2	SW846-8260
Vinyl chloride	U	0.4	mg/L		0.4	SW846-8260

# Paducah-OREIS Data Report

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12/18/2007

**MW340**  
**21015**  
**MW340SA4-06**

Collected: 9/6/2006

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Uranium	U	0.005	mg/L		0.005	ST7106
Uranium	U	0.001	mg/L		0.001	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		30.09	Inches/Hg			
<b>PHYSC</b>						
Conductivity		476	umho/cm			
Depth to Water		49.25	ft			
Dissolved Oxygen		3.44	mg/L			
pH		6.14	Std Unit			
Redox		272	mV			
Temperature		64.4	deg F			
Turbidity		22.1	NTU			
<b>RADS</b>						
Alpha activity		7.44	pCi/L	1.14	2.99	SW846-9310
Beta activity		460	pCi/L	15.8	3.86	SW846-9310
Technetium-99		747	pCi/L	28.8	18.7	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.25	mg/L		0.25	SW846-8260
1,1,2-Trichloroethane	U	0.25	mg/L		0.25	SW846-8260
1,1-Dichloroethane	U	0.25	mg/L		0.25	SW846-8260
1,1-Dichloroethene	U	0.25	mg/L		0.25	SW846-8260
1,2-Dichloroethane	U	0.25	mg/L		0.25	SW846-8260
Benzene	U	0.25	mg/L		0.25	SW846-8260
Bromodichloromethane	U	0.25	mg/L		0.25	SW846-8260
Carbon tetrachloride	U	0.25	mg/L		0.25	SW846-8260
Chloroform	U	0.25	mg/L		0.25	SW846-8260
cis-1,2-Dichloroethene	U	0.25	mg/L		0.25	SW846-8260
Ethylbenzene	U	0.25	mg/L		0.25	SW846-8260
Tetrachloroethene	U	0.25	mg/L		0.25	SW846-8260
Toluene	U	0.25	mg/L		0.25	SW846-8260
Total Xylene	U	0.75	mg/L		0.75	SW846-8260
trans-1,2-Dichloroethene	U	0.25	mg/L		0.25	SW846-8260
Trichloroethene	D	5.3	mg/L		0.05	SW846-8260
Vinyl chloride	U	0.1	mg/L		0.1	SW846-8260

# Paducah-OREIS Data Report

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12/18/2007

**MW63**

**21015**

**MW63SA4-06**

Collected: 9/12/2006

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium	U	0.005	mg/L		0.005	ST7106
<b>METEO</b>						
Barometric Pressure Reading		29.94	Inches/Hg			
<b>PHYSC</b>						
Conductivity		297	umho/cm			
Depth to Water		47.35	ft			
Dissolved Oxygen		2.2	mg/L			
pH		6.1	Std Unit			
Redox		60	mV			
Temperature		68.9	deg F			
Turbidity		11.6	NTU			
<b>RADS</b>						
Alpha activity	U	2.05	pCi/L	1.14	3.27	SW846-9310
Beta activity		7.72	pCi/L	1.41	4.26	SW846-9310
Technetium-99	U	-13.3	pCi/L	13.5	20.6	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene		0.011	mg/L		0.001	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260

# Paducah-OREIS Data Report

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12/18/2007

**MW65**

**21015**

**MW65SA4-06**

Collected: 9/12/2006

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Uranium	U	0.005	mg/L		0.005	ST7106
Uranium	U	0.001	mg/L		0.001	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.94	Inches/Hg			
<b>PHYSC</b>						
Conductivity		224	umho/cm			
Depth to Water		47.31	ft			
Dissolved Oxygen		1.83	mg/L			
pH		6	Std Unit			
Redox		55	mV			
Temperature		65.3	deg F			
Turbidity		2.8	NTU			
<b>RADS</b>						
Alpha activity	U	2.18	pCi/L	1.09	2.97	SW846-9310
Beta activity		15.7	pCi/L	2.32	4.09	SW846-9310
Technetium-99	U	-3.08	pCi/L	12.6	18.8	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene		0.0054	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene		0.09	mg/L		0.001	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260

# Paducah-OREIS Data Report

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12/18/2007

**MW65**  
**21015**  
**MW65DSA4-06**

Collected: 9/12/2006

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Uranium	U	0.005	mg/L		0.005	ST7106
Uranium	U	0.001	mg/L		0.001	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.94	Inches/Hg			
<b>PHYSC</b>						
Conductivity		224	umho/cm			
Depth to Water		47.31	ft			
Dissolved Oxygen		1.83	mg/L			
pH		6	Std Unit			
Redox		55	mV			
Temperature		65.3	deg F			
Turbidity		2.8	NTU			
<b>RADS</b>						
Alpha activity	U	0.842	pCi/L	0.508	2.96	SW846-9310
Beta activity		15.2	pCi/L	2.26	4.09	SW846-9310
Technetium-99	U	4.7	pCi/L	13.5	18.8	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene		0.0056	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene		0.095	mg/L		0.001	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260

# Paducah-OREIS Data Report

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12/18/2007

**MW66**

**21015**

**MW66SA4-06**

Collected: 9/6/2006

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Uranium	U	0.005	mg/L		0.005	ST7106
Uranium	U	0.001	mg/L		0.001	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		30.09	Inches/Hg			
<b>PHYSC</b>						
Conductivity		209	umho/cm			
Depth to Water		46.02	ft			
Dissolved Oxygen		6.9	mg/L			
pH		6.07	Std Unit			
Redox		266	mV			
Temperature		61.7	deg F			
Turbidity		0	NTU			
<b>RADS</b>						
Alpha activity		4.89	pCi/L	0.881	2.36	SW846-9310
Beta activity		293	pCi/L	12	3.53	SW846-9310
Technetium-99		455	pCi/L	23.9	18.7	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.12	mg/L		0.12	SW846-8260
1,1,2-Trichloroethane	U	0.12	mg/L		0.12	SW846-8260
1,1-Dichloroethane	U	0.12	mg/L		0.12	SW846-8260
1,1-Dichloroethene	U	0.12	mg/L		0.12	SW846-8260
1,2-Dichloroethane	U	0.12	mg/L		0.12	SW846-8260
Benzene	U	0.12	mg/L		0.12	SW846-8260
Bromodichloromethane	U	0.12	mg/L		0.12	SW846-8260
Carbon tetrachloride	U	0.12	mg/L		0.12	SW846-8260
Chloroform	U	0.12	mg/L		0.12	SW846-8260
cis-1,2-Dichloroethene	U	0.12	mg/L		0.12	SW846-8260
Ethylbenzene	U	0.12	mg/L		0.12	SW846-8260
Tetrachloroethene	U	0.12	mg/L		0.12	SW846-8260
Toluene	U	0.12	mg/L		0.12	SW846-8260
Total Xylene	U	0.38	mg/L		0.38	SW846-8260
trans-1,2-Dichloroethene	U	0.12	mg/L		0.12	SW846-8260
Trichloroethene	D	0.83	mg/L		0.025	SW846-8260
Vinyl chloride	U	0.05	mg/L		0.05	SW846-8260

# Paducah-OREIS Data Report

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12/18/2007

**MW90A**

**21073**

**010706**

Collected: 1/23/2007

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010B
Antimony	U	0.01	mg/L		0.01	SW846-6010B
Arsenic	U	0.01	mg/L		0.01	SW846-6010B
Barium	B	0.137	mg/L		0.2	SW846-6010B
Beryllium	U	0.005	mg/L		0.005	SW846-6010B
Boron	B	0.0122	mg/L		0.2	SW846-6010B
Cadmium	U	0.005	mg/L		0.005	SW846-6010B
Calcium		26.7	mg/L		5	SW846-6010B
Chromium	U	0.01	mg/L		0.01	SW846-6010B
Cobalt	U	0.05	mg/L		0.05	SW846-6010B
Copper	U	0.025	mg/L		0.025	SW846-6010B
Iron		0.738	mg/L		0.1	SW846-6010B
Lead	U	0.003	mg/L		0.003	SW846-6010B
Magnesium		8.61	mg/L		5	SW846-6010B
Manganese		0.786	mg/L		0.015	SW846-6010B
Mercury	U	0.0002	mg/L		0.0002	SW846-7470A
Molybdenum	U	0.04	mg/L		0.04	SW846-6010B
Nickel	U	0.04	mg/L		0.04	SW846-6010B
Potassium	U	5	mg/L		5	SW846-6010B
Selenium	U	0.005	mg/L		0.005	SW846-6010B
Silicon	N	10.5	mg/L		0.5	SW846-6010B
Silver	U	0.01	mg/L		0.01	SW846-6010B
Sodium		17.1	mg/L		5	SW846-6010B
Thallium	U	0.01	mg/L		0.01	SW846-6010B
Uranium	U	0.5	mg/L		0.5	SW846-6010B
Vanadium	U	0.05	mg/L		0.05	SW846-6010B
Zinc	U	0.02	mg/L		0.02	SW846-6010B
<b>METEO</b>						
Barometric Pressure Reading		29.71	Inches/Hg			
<b>PHYSC</b>						
Conductivity		266	umho/cm			
Depth to Water		46	ft			
Dissolved Oxygen		1.7	mg/L			
pH		6.1	Std Unit			
Redox		-39	mV			
Temperature		55.6	deg F			
Turbidity		9.5	NTU			
<b>RADS</b>						
Technetium-99	U	2.6	pCi/L	1.8	2.9	DOE TC-02-RC MO
<b>SVOA</b>						
1,2,4-Trichlorobenzene	U	0.001	mg/L		0.001	SW846-8260B
1,2-Dichlorobenzene	U	0.001	mg/L		0.001	SW846-8260B
1,3-Dichlorobenzene	U	0.001	mg/L		0.001	SW846-8260B
1,4-Dichlorobenzene	U	0.001	mg/L		0.001	SW846-8260B
Hexachlorobutadiene	U	0.001	mg/L		0.001	SW846-8260B
Naphthalene	U	0.001	mg/L		0.001	SW846-8260B
<b>VOA</b>						
(1,1-Dimethylethyl)benzene	U	0.001	mg/L		0.001	SW846-8260B
(1-Methylpropyl)benzene	U	0.001	mg/L		0.001	SW846-8260B

## MW90A

## 21073

1,1,1,2-Tetrachloroethane	U	0.001	mg/L	0.001	SW846-8260B
1,1,1-Trichloroethane	U	0.001	mg/L	0.001	SW846-8260B
1,1,2,2-Tetrachloroethane	U	0.001	mg/L	0.001	SW846-8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	U	0.001	mg/L	0.001	SW846-8260B
1,1,2-Trichloroethane	U	0.001	mg/L	0.001	SW846-8260B
1,1-Dichloroethane	U	0.001	mg/L	0.001	SW846-8260B
1,1-Dichloroethene	U	0.001	mg/L	0.001	SW846-8260B
1,1-Dichloropropene	U	0.001	mg/L	0.001	SW846-8260B
1,2,3-Trichlorobenzene	U	0.001	mg/L	0.001	SW846-8260B
1,2,3-Trichloropropane	U	0.001	mg/L	0.001	SW846-8260B
1,2-Dibromo-3-chloropropane	U	0.001	mg/L	0.001	SW846-8260B
1,2-Dibromoethane	U	0.001	mg/L	0.001	SW846-8260B
1,2-Dichloroethane	U	0.001	mg/L	0.001	SW846-8260B
1,2-Dichloroethene	U	0.002	mg/L	0.002	SW846-8260B
1,2-Dichloropropane	U	0.001	mg/L	0.001	SW846-8260B
1,2-Dimethylbenzene	U	0.001	mg/L	0.001	SW846-8260B
1,3,5-Trimethylbenzene	U	0.001	mg/L	0.001	SW846-8260B
1,3-Dichloropropane	U	0.001	mg/L	0.001	SW846-8260B
1,4-Dioxane	U	0.2	mg/L	0.2	SW846-8260B
1-Butanol	U	0.04	mg/L	0.04	SW846-8260B
1-Chloro-4-methylbenzene	U	0.001	mg/L	0.001	SW846-8260B
1-Methyl-4-(1-methylethyl)benzene	U	0.001	mg/L	0.001	SW846-8260B
2,2-Dichloropropane	U	0.001	mg/L	0.001	SW846-8260B
2-Butanone	U	0.005	mg/L	0.005	SW846-8260B
2-Chloro-1,3-butadiene	U	0.001	mg/L	0.001	SW846-8260B
2-Chloroethyl vinyl ether	U	0.002	mg/L	0.002	SW846-8260B
2-Hexanone	U	0.005	mg/L	0.005	SW846-8260B
2-Methoxy-2-methylpropane	U	0.002	mg/L	0.002	SW846-8260B
2-Nitropropane	U	0.01	mg/L	0.01	SW846-8260B
4-Methyl-2-pentanone	U	0.005	mg/L	0.005	SW846-8260B
Acetone	U	0.01	mg/L	0.01	SW846-8260B
Acetonitrile	U	0.02	mg/L	0.02	SW846-8260B
Acrolein	U	0.02	mg/L	0.02	SW846-8260B
Acrylonitrile	U	0.02	mg/L	0.02	SW846-8260B
Allyl chloride	U	0.002	mg/L	0.002	SW846-8260B
Benzene	U	0.001	mg/L	0.001	SW846-8260B
Bromobenzene	U	0.001	mg/L	0.001	SW846-8260B
Bromochloromethane	U	0.001	mg/L	0.001	SW846-8260B
Bromodichloromethane	U	0.001	mg/L	0.001	SW846-8260B
Bromoform	U	0.001	mg/L	0.001	SW846-8260B
Bromomethane	U	0.002	mg/L	0.002	SW846-8260B
Butylbenzene	U	0.001	mg/L	0.001	SW846-8260B
Carbon disulfide	U	0.001	mg/L	0.001	SW846-8260B
Carbon tetrachloride	U	0.001	mg/L	0.001	SW846-8260B
Chlorobenzene	U	0.001	mg/L	0.001	SW846-8260B
Chloroethane	U	0.002	mg/L	0.002	SW846-8260B
Chloroform	J	0.00012	mg/L	0.001	SW846-8260B
Chloromethane	U	0.002	mg/L	0.002	SW846-8260B
cis-1,2-Dichloroethene	U	0.0005	mg/L	0.0005	SW846-8260B
cis-1,3-Dichloropropene	U	0.001	mg/L	0.001	SW846-8260B
Cumene	U	0.001	mg/L	0.001	SW846-8260B
Cyclohexane	U	0.001	mg/L	0.001	SW846-8260B
Cyclohexanone	U	0.02	mg/L	0.02	SW846-8260B
Dibromochloromethane	U	0.001	mg/L	0.001	SW846-8260B
Dibromomethane	U	0.001	mg/L	0.001	SW846-8260B



**MW90A****21073**

Dichlorodifluoromethane	U	0.002	mg/L	0.002	SW846-8260B
Diethyl ether	U	0.001	mg/L	0.001	SW846-8260B
Ethyl cyanide	U	0.004	mg/L	0.004	SW846-8260B
Ethyl methacrylate	U	0.001	mg/L	0.001	SW846-8260B
Ethylbenzene	U	0.001	mg/L	0.001	SW846-8260B
Hexane	U	0.004	mg/L	0.004	SW846-8260B
Iodomethane	U	0.001	mg/L	0.001	SW846-8260B
Isobutanol	U	0.05	mg/L	0.05	SW846-8260B
m,p-Xylene	U	0.002	mg/L	0.002	SW846-8260B
Methacrylonitrile	U	0.001	mg/L	0.001	SW846-8260B
Methyl acetate	U	0.005	mg/L	0.005	SW846-8260B
Methyl methacrylate	U	0.001	mg/L	0.001	SW846-8260B
Methylcyclohexane	U	0.004	mg/L	0.004	SW846-8260B
Methylene chloride	U	0.001	mg/L	0.001	SW846-8260B
o-Chlorotoluene	U	0.001	mg/L	0.001	SW846-8260B
Pentachloroethane	U	0.001	mg/L	0.001	SW846-8260B
Propylbenzene	U	0.001	mg/L	0.001	SW846-8260B
Styrene	U	0.001	mg/L	0.001	SW846-8260B
Tetrachloroethene	U	0.001	mg/L	0.001	SW846-8260B
Tetrahydrofuran	U	0.01	mg/L	0.01	SW846-8260B
Toluene	U	0.001	mg/L	0.001	SW846-8260B
Total Xylene	U	0.001	mg/L	0.001	SW846-8260B
trans-1,2-Dichloroethene	U	0.0005	mg/L	0.0005	SW846-8260B
trans-1,3-Dichloropropene	U	0.001	mg/L	0.001	SW846-8260B
Trans-1,4-Dichloro-2-butene	U	0.001	mg/L	0.001	SW846-8260B
Trichloroethene		0.0013	mg/L	0.001	SW846-8260B
Trichlorofluoromethane	U	0.002	mg/L	0.002	SW846-8260B
Vinyl acetate	U	0.002	mg/L	0.002	SW846-8260B
Vinyl chloride	U	0.002	mg/L	0.002	SW846-8260B

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# Paducah-OREIS Data Report

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12/18/2007

**MW95A**

**21073**

**010707**

Collected: 1/23/2007

Media Type: WG

Sample Type: REG2

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>RADS</b> Technetium-99		5.7	pCi/L	2	3	DOE TC-02-RC MO

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# Paducah-OREIS Data Report

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12/18/2007

**MW95A**

**21073**

**010707**

Collected: 1/23/2007

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010B
Antimony	U	0.01	mg/L		0.01	SW846-6010B
Arsenic	U	0.01	mg/L		0.01	SW846-6010B
Barium	B	0.111	mg/L		0.2	SW846-6010B
Beryllium	U	0.005	mg/L		0.005	SW846-6010B
Boron	B	0.0113	mg/L		0.2	SW846-6010B
Cadmium	U	0.005	mg/L		0.005	SW846-6010B
Calcium		21.9	mg/L		5	SW846-6010B
Chromium	U	0.01	mg/L		0.01	SW846-6010B
Cobalt	U	0.05	mg/L		0.05	SW846-6010B
Copper	U	0.025	mg/L		0.025	SW846-6010B
Iron	B	0.0434	mg/L		0.1	SW846-6010B
Lead	U	0.003	mg/L		0.003	SW846-6010B
Magnesium		8.88	mg/L		5	SW846-6010B
Manganese		0.0612	mg/L		0.015	SW846-6010B
Mercury	U	0.0002	mg/L		0.0002	SW846-7470A
Molybdenum	U	0.04	mg/L		0.04	SW846-6010B
Nickel	U	0.04	mg/L		0.04	SW846-6010B
Potassium	U	5	mg/L		5	SW846-6010B
Selenium	U	0.005	mg/L		0.005	SW846-6010B
Silicon	N	6.85	mg/L		0.5	SW846-6010B
Silver	U	0.01	mg/L		0.01	SW846-6010B
Sodium		13.4	mg/L		5	SW846-6010B
Thallium	U	0.01	mg/L		0.01	SW846-6010B
Uranium	U	0.5	mg/L		0.5	SW846-6010B
Vanadium	U	0.05	mg/L		0.05	SW846-6010B
Zinc	U	0.02	mg/L		0.02	SW846-6010B
<b>METEO</b>						
Barometric Pressure Reading		29.71	Inches/Hg			
<b>PHYSC</b>						
Conductivity		252	umho/cm			
Depth to Water		48.75	ft			
Dissolved Oxygen		1.44	mg/L			
pH		5.9	Std Unit			
Redox		413	mV			
Temperature		58.9	deg F			
Turbidity		4.3	NTU			
<b>RADS</b>						
Technetium-99		8	pCi/L	2	2.8	DOE TC-02-RC MO
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.001	mg/L		0.001	SW846-8260B
1,1,1-Trichloroethane	U	0.001	mg/L		0.001	SW846-8260B
1,1,2,2-Tetrachloroethane	U	0.001	mg/L		0.001	SW846-8260B
1,1,2-Trichloroethane	U	0.001	mg/L		0.001	SW846-8260B
1,1-Dichloroethane	U	0.001	mg/L		0.001	SW846-8260B
1,1-Dichloroethene		0.0022	mg/L		0.001	SW846-8260B
1,2,3-Trichloropropane	U	0.001	mg/L		0.001	SW846-8260B
1,2-Dibromo-3-chloropropane	U	0.001	mg/L		0.001	SW846-8260B
1,2-Dibromoethane	U	0.001	mg/L		0.001	SW846-8260B

## MW95A

## 21073

1,2-Dichloroethane	U	0.001	mg/L	0.001	SW846-8260B
1,2-Dichloropropane	U	0.001	mg/L	0.001	SW846-8260B
1,4-Dioxane	U	0.2	mg/L	0.2	SW846-8260B
2-Butanone	U	0.005	mg/L	0.005	SW846-8260B
2-Chloro-1,3-butadiene	U	0.001	mg/L	0.001	SW846-8260B
2-Hexanone	U	0.005	mg/L	0.005	SW846-8260B
Acetone	U	0.01	mg/L	0.01	SW846-8260B
Acetonitrile	U	0.02	mg/L	0.02	SW846-8260B
Acrolein	U	0.02	mg/L	0.02	SW846-8260B
Acrylonitrile	U	0.02	mg/L	0.02	SW846-8260B
Allyl chloride	U	0.002	mg/L	0.002	SW846-8260B
Benzene	U	0.001	mg/L	0.001	SW846-8260B
Bromodichloromethane	U	0.001	mg/L	0.001	SW846-8260B
Bromoform	U	0.001	mg/L	0.001	SW846-8260B
Bromomethane	U	0.002	mg/L	0.002	SW846-8260B
Carbon disulfide	U	0.001	mg/L	0.001	SW846-8260B
Carbon tetrachloride	J	0.00049	mg/L	0.001	SW846-8260B
Chlorobenzene	U	0.001	mg/L	0.001	SW846-8260B
Chloroethane	U	0.002	mg/L	0.002	SW846-8260B
Chloroform	J	0.0005	mg/L	0.001	SW846-8260B
Chloromethane	U	0.002	mg/L	0.002	SW846-8260B
cis-1,2-Dichloroethene		0.011	mg/L	0.0005	SW846-8260B
cis-1,3-Dichloropropene	U	0.001	mg/L	0.001	SW846-8260B
Dibromochloromethane	U	0.001	mg/L	0.001	SW846-8260B
Dibromomethane	U	0.001	mg/L	0.001	SW846-8260B
Dichlorodifluoromethane	U	0.002	mg/L	0.002	SW846-8260B
Ethyl cyanide	U	0.004	mg/L	0.004	SW846-8260B
Ethyl methacrylate	U	0.001	mg/L	0.001	SW846-8260B
Ethylbenzene	U	0.001	mg/L	0.001	SW846-8260B
Iodomethane	U	0.001	mg/L	0.001	SW846-8260B
Isobutanol	U	0.05	mg/L	0.05	SW846-8260B
Methacrylonitrile	U	0.001	mg/L	0.001	SW846-8260B
Methyl methacrylate	U	0.001	mg/L	0.001	SW846-8260B
Methylene chloride	U	0.001	mg/L	0.001	SW846-8260B
Pentachloroethane	U	0.001	mg/L	0.001	SW846-8260B
Styrene	U	0.001	mg/L	0.001	SW846-8260B
Tetrachloroethene	J	0.00044	mg/L	0.001	SW846-8260B
Toluene	U	0.001	mg/L	0.001	SW846-8260B
Total Xylene	U	0.001	mg/L	0.001	SW846-8260B
trans-1,2-Dichloroethene	U	0.0005	mg/L	0.0005	SW846-8260B
trans-1,3-Dichloropropene	U	0.001	mg/L	0.001	SW846-8260B
Trans-1,4-Dichloro-2-butene	U	0.001	mg/L	0.001	SW846-8260B
Trichloroethene	D	0.3	mg/L	0.02	SW846-8260B
Trichloroethene	E	0.35	mg/L	0.001	SW846-8260B
Trichlorofluoromethane	U	0.002	mg/L	0.002	SW846-8260B
Vinyl acetate	U	0.002	mg/L	0.002	SW846-8260B
Vinyl chloride	U	0.002	mg/L	0.002	SW846-8260B

# Paducah-OREIS Data Report

PaducahOREIS Download  
12/18/2007

**MW369**

**21099**

**MW369UG2-07**

Collected: 1/5/2007

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	2	mg/L		2	SW846-9056
Chloride		44	mg/L		2	SW846-9056
Fluoride		0.2	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		10	mg/L		2	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010B
Antimony	U	0.005	mg/L		0.005	SW846-6020
Arsenic		0.00554	mg/L		0.001	SW846-6020
Barium		0.44	mg/L		0.005	SW846-6020
Barium, Dissolved		0.425	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6010B
Cadmium	U	0.0006	mg/L		0.0006	SW846-6020
Calcium		22	mg/L		1	SW846-6010B
Chromium	U	0.01	mg/L		0.01	SW846-6020
Chromium, Dissolved	U	0.01	mg/L		0.01	SW846-6020
Cobalt		0.0549	mg/L		0.001	SW846-6020
Copper	U	0.02	mg/L		0.02	SW846-6020
Iron		6.27	mg/L		0.05	SW846-6010B
Lead	U	0.0013	mg/L		0.0013	SW846-6020
Magnesium		9.12	mg/L		0.025	SW846-6010B
Manganese	X	0.5	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470A
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	N	0.0098	mg/L		0.005	SW846-6020
Potassium		0.703	mg/L		0.2	SW846-6010B
Rhodium	U	0.005	mg/L		0.005	SW846-6020
Selenium		0.00524	mg/L		0.005	SW846-6020
Silver	U	0.001	mg/L		0.001	SW846-6020
Sodium		53.5	mg/L		0.5	SW846-6010B
Tantalum	JU	0.005	mg/L		0.005	SW846-6020
Thallium	BU	0.002	mg/L		0.002	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.66	Inches/Hg			
<b>PHYSC</b>						
Conductivity		436	umho/cm			
Depth to Water		37.12	ft			
Dissolved Oxygen		1.27	mg/L			
Dissolved Solids		248	mg/L		40	EPA-160.1
pH		6.46	Std Unit			
Redox		132	mV			
Suspended Solids	U	14	mg/L		14	EPA-160.2
Temperature		59.9	deg F			
Turbidity		3.6	NTU			

## MW369

## 21099

## PPCB

PCB, Total		0.00035	mg/L		0.0002	SW846-8082
PCB-1016		0.00035	mg/L		0.0002	SW846-8082
PCB-1221	U	0.00017	mg/L		0.0002	SW846-8082
PCB-1232	U	0.00013	mg/L		0.0001	SW846-8082
PCB-1242	U	0.0001	mg/L		0.0001	SW846-8082
PCB-1248	U	0.00011	mg/L		0.0001	SW846-8082
PCB-1254	U	0.00007	mg/L		7E-05	SW846-8082
PCB-1260	U	0.00005	mg/L		5E-05	SW846-8082
PCB-1268	U	0.00009	mg/L		9E-05	SW846-8082

## RADS

Alpha activity	U	0.23	pCi/L	0.133	4.49	SW846-9310
Beta activity		28.2	pCi/L	3.8	4.38	SW846-9310
Iodine-131	U	-0.761	pCi/L	1.52	14.5	RL-7124
Radium-226	U	0.0426	pCi/L	0.105	0.704	RL-7129
Strontium-90	U	-0.0145	pCi/L	0.0026	1.15	RL-7140
Technetium-99	U	-1.25	pCi/L	12.1	18.8	RL-7100
Thorium-230	U	0.0247	pCi/L	0.0765	0.206	RL-7128
Tritium	U	-46.8	pCi/L	160	269	704R8

## SVOA

1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260

## VOA

1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	JU	0.01	mg/L		0.01	SW846-8260
Acrolein	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260

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## MW369

### 21099

Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	U	0.005 mg/L	0.005	SW846-8260
Methylene chloride	U	0.005 mg/L	0.005	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene		0.002 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Cyanide	JU	0.05 mg/L	0.05	SW846-9010B
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		2.6 mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.0413 mg/L	0.01	SW846-9020B

# Paducah-OREIS Data Report

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**MW370**  
**21099**  
**MW370UG2-07**

Collected: 1/4/2007

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	2	mg/L		2	SW846-9056
Chloride		50	mg/L		5	SW846-9056
Fluoride		0.16	mg/L		0.1	9214
Nitrate as Nitrogen		1.4	mg/L		1	SW846-9056
Sulfate		16	mg/L		2	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010B
Antimony	U	0.005	mg/L		0.005	SW846-6020
Arsenic		0.00211	mg/L		0.001	SW846-6020
Barium		0.188	mg/L		0.005	SW846-6020
Barium, Dissolved		0.18	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6010B
Cadmium	U	0.0006	mg/L		0.0006	SW846-6020
Calcium		29.8	mg/L		1	SW846-6010B
Chromium	U	0.01	mg/L		0.01	SW846-6020
Chromium, Dissolved	U	0.01	mg/L		0.01	SW846-6020
Cobalt		0.00147	mg/L		0.001	SW846-6020
Copper	U	0.02	mg/L		0.02	SW846-6020
Iron	BU	0.05	mg/L		0.05	SW846-6010B
Lead	U	0.0013	mg/L		0.0013	SW846-6020
Magnesium		12.2	mg/L		0.025	SW846-6010B
Manganese	X	0.00572	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470A
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	NU	0.005	mg/L		0.005	SW846-6020
Potassium		2.53	mg/L		0.2	SW846-6010B
Rhodium	U	0.005	mg/L		0.005	SW846-6020
Selenium		0.00752	mg/L		0.005	SW846-6020
Silver	U	0.001	mg/L		0.001	SW846-6020
Sodium		36.4	mg/L		0.5	SW846-6010B
Tantalum	JU	0.005	mg/L		0.005	SW846-6020
Thallium	BU	0.002	mg/L		0.002	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.59	Inches/Hg			
<b>PHYSC</b>						
Conductivity		428	umho/cm			
Depth to Water		38.5	ft			
Dissolved Oxygen		3.9	mg/L			
Dissolved Solids		225	mg/L		40	EPA-160.1
pH		6.03	Std Unit			
Redox		241	mV			
Suspended Solids	U	14	mg/L		14	EPA-160.2
Temperature		58	deg F			
Turbidity		4.3	NTU			



**MW370**

**21099**

**PPCB**

PCB, Total	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1016	U	0.00016	mg/L	0.0002	SW846-8082
PCB-1221	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1232	U	0.00013	mg/L	0.0001	SW846-8082
PCB-1242	U	0.0001	mg/L	0.0001	SW846-8082
PCB-1248	U	0.00011	mg/L	0.0001	SW846-8082
PCB-1254	U	0.00007	mg/L	7E-05	SW846-8082
PCB-1260	U	0.00005	mg/L	5E-05	SW846-8082
PCB-1268	U	0.00009	mg/L	9E-05	SW846-8082

**RADS**

Alpha activity	U	-0.379	pCi/L	0.253	4.03	SW846-9310
Beta activity		21.7	pCi/L	3.19	4.23	SW846-9310
Iodine-131	U	6.32	pCi/L	12.6	18	RL-7124
Radium-226	U	0.309	pCi/L	0.301	0.686	RL-7129
Strontium-90	U	0.0277	pCi/L	0.005	1.08	RL-7140
Technetium-99		24.5	pCi/L	13.9	18.8	RL-7100
Thorium-230	U	0.0256	pCi/L	0.0554	0.178	RL-7128
Tritium	U	-22.1	pCi/L	162	271	704R8

**SVOA**

1,2-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260

**VOA**

1,1,1,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.0002	mg/L	0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	0.005	SW846-8260
2-Butanone	U	0.01	mg/L	0.01	SW846-8260
2-Hexanone	U	0.01	mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L	0.01	SW846-8260
Acetone	JU	0.01	mg/L	0.01	SW846-8260
Acrolein	JU	0.01	mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L	0.01	SW846-8260
Benzene	U	0.005	mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromoform	U	0.005	mg/L	0.005	SW846-8260
Bromomethane	U	0.005	mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L	0.005	SW846-8260
Chloroethane	U	0.005	mg/L	0.005	SW846-8260
Chloroform	U	0.005	mg/L	0.005	SW846-8260
Chloromethane	U	0.005	mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Dibromomethane	U	0.005	mg/L	0.005	SW846-8260

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## MW370

### 21099

Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	U	0.005 mg/L	0.005	SW846-8260
Methylene chloride	U	0.005 mg/L	0.005	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene		0.0052 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Cyanide	JU	0.05 mg/L	0.05	SW846-9010B
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.01 mg/L	0.01	SW846-9020B

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# Paducah-OREIS Data Report

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**MW370**  
**21099**  
**MW370DUG2-07**

Collected: 1/4/2007

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	2	mg/L		2	SW846-9056
Chloride		50	mg/L		5	SW846-9056
Fluoride		0.15	mg/L		0.1	9214
Nitrate as Nitrogen		1.4	mg/L		1	SW846-9056
Sulfate		16	mg/L		2	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010B
Antimony	U	0.005	mg/L		0.005	SW846-6020
Arsenic		0.00235	mg/L		0.001	SW846-6020
Barium		0.193	mg/L		0.005	SW846-6020
Barium, Dissolved		0.187	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6010B
Cadmium	U	0.0006	mg/L		0.0006	SW846-6020
Calcium		29.8	mg/L		1	SW846-6010B
Chromium	U	0.01	mg/L		0.01	SW846-6020
Chromium, Dissolved	U	0.01	mg/L		0.01	SW846-6020
Cobalt		0.00137	mg/L		0.001	SW846-6020
Copper	U	0.02	mg/L		0.02	SW846-6020
Iron	BU	0.05	mg/L		0.05	SW846-6010B
Lead		0.0031	mg/L		0.0013	SW846-6020
Magnesium		12.2	mg/L		0.025	SW846-6010B
Manganese	UX	0.005	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470A
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	NU	0.005	mg/L		0.005	SW846-6020
Potassium		2.56	mg/L		0.2	SW846-6010B
Rhodium	U	0.005	mg/L		0.005	SW846-6020
Selenium		0.009	mg/L		0.005	SW846-6020
Silver	U	0.001	mg/L		0.001	SW846-6020
Sodium		36.1	mg/L		0.5	SW846-6010B
Tantalum	JU	0.005	mg/L		0.005	SW846-6020
Thallium	BU	0.002	mg/L		0.002	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.59	Inches/Hg			
<b>PHYSC</b>						
Conductivity		428	umho/cm			
Depth to Water		38.5	ft			
Dissolved Oxygen		3.9	mg/L			
Dissolved Solids		231	mg/L		40	EPA-160.1
pH		6.03	Std Unit			
Redox		241	mV			
Suspended Solids	U	14	mg/L		14	EPA-160.2
Temperature		58	deg F			
Turbidity		4.3	NTU			

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## MW370

### 21099

#### PPCB

PCB, Total	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1016	U	0.00016	mg/L	0.0002	SW846-8082
PCB-1221	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1232	U	0.00013	mg/L	0.0001	SW846-8082
PCB-1242	U	0.0001	mg/L	0.0001	SW846-8082
PCB-1248	U	0.00011	mg/L	0.0001	SW846-8082
PCB-1254	U	0.00007	mg/L	7E-05	SW846-8082
PCB-1260	U	0.00005	mg/L	5E-05	SW846-8082
PCB-1268	U	0.00009	mg/L	9E-05	SW846-8082

#### RADS

Alpha activity	U	3.14	pCi/L	1.48	4.06	SW846-9310
Beta activity		20.8	pCi/L	3.11	4.24	SW846-9310
Iodine-131	U	2.24	pCi/L	4.48	11.1	RL-7124
Radium-226	U	0.247	pCi/L	0.291	0.685	RL-7129
Strontium-90	U	-0.033	pCi/L	0.006	1.3	RL-7140
Technetium-99	U	14.8	pCi/L	13.6	18.8	RL-7100
Thorium-230	U	-0.0149	pCi/L	0.0444	0.178	RL-7128
Tritium	U	67	pCi/L	165	272	704R8

#### SVOA

1,2-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260

#### VOA

1,1,1,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.0002	mg/L	0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	0.005	SW846-8260
2-Butanone	U	0.01	mg/L	0.01	SW846-8260
2-Hexanone	U	0.01	mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L	0.01	SW846-8260
Acetone	JU	0.01	mg/L	0.01	SW846-8260
Acrolein	JU	0.01	mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L	0.01	SW846-8260
Benzene	U	0.005	mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromoform	U	0.005	mg/L	0.005	SW846-8260
Bromomethane	U	0.005	mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L	0.005	SW846-8260
Chloroethane	U	0.005	mg/L	0.005	SW846-8260
Chloroform	U	0.005	mg/L	0.005	SW846-8260
Chloromethane	U	0.005	mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Dibromomethane	U	0.005	mg/L	0.005	SW846-8260

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## MW370

### 21099

Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	U	0.005 mg/L	0.005	SW846-8260
Methylene chloride	U	0.005 mg/L	0.005	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene		0.0047 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Cyanide	JU	0.05 mg/L	0.05	SW846-9010B
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.0105 mg/L	0.01	SW846-9020B

# Paducah-OREIS Data Report

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**MW371**

**21099**

**MW371UG2-07**

Collected: 1/8/2007

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	2	mg/L		2	SW846-9056
Chloride		8.1	mg/L		2	SW846-9056
Fluoride		0.28	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		4.8	mg/L		2	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010B
Antimony	U	0.005	mg/L		0.005	SW846-6020
Arsenic	U	0.001	mg/L		0.001	SW846-6020
Barium		0.112	mg/L		0.005	SW846-6020
Barium, Dissolved		0.113	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6010B
Cadmium	U	0.0006	mg/L		0.0006	SW846-6020
Calcium		27.7	mg/L		1	SW846-6010B
Chromium	U	0.01	mg/L		0.01	SW846-6020
Chromium, Dissolved	U	0.01	mg/L		0.01	SW846-6020
Cobalt	U	0.001	mg/L		0.001	SW846-6020
Copper	U	0.02	mg/L		0.02	SW846-6020
Iron	B	0.128	mg/L		0.05	SW846-6010B
Lead	U	0.0013	mg/L		0.0013	SW846-6020
Magnesium		11	mg/L		0.025	SW846-6010B
Manganese	UX	0.005	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470A
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	NU	0.005	mg/L		0.005	SW846-6020
Potassium		0.365	mg/L		0.2	SW846-6010B
Rhodium	U	0.005	mg/L		0.005	SW846-6020
Selenium	U	0.005	mg/L		0.005	SW846-6020
Silver	U	0.001	mg/L		0.001	SW846-6020
Sodium		126	mg/L		0.5	SW846-6010B
Tantalum	JU	0.005	mg/L		0.005	SW846-6020
Thallium	BU	0.002	mg/L		0.002	SW846-6020
Uranium		0.00108	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.68	Inches/Hg			
<b>PHYSC</b>						
Conductivity		712	umho/cm			
Depth to Water		21.27	ft			
Dissolved Oxygen		1.8	mg/L			
Dissolved Solids		401	mg/L		40	EPA-160.1
pH		6.67	Std Unit			
Redox		234	mV			
Suspended Solids	U	14	mg/L		14	EPA-160.2
Temperature		56.1	deg F			
Turbidity		4.4	NTU			

**MW371****21099****PPCB**

PCB, Total	UY	0.00017	mg/L		0.0002	SW846-8082
PCB-1016	UY	0.00016	mg/L		0.0002	SW846-8082
PCB-1221	UY	0.00017	mg/L		0.0002	SW846-8082
PCB-1232	UY	0.00013	mg/L		0.0001	SW846-8082
PCB-1242	UY	0.0001	mg/L		0.0001	SW846-8082
PCB-1248	UY	0.00011	mg/L		0.0001	SW846-8082
PCB-1254	UY	0.00007	mg/L		7E-05	SW846-8082
PCB-1260	UY	0.00005	mg/L		5E-05	SW846-8082
PCB-1268	UY	0.00009	mg/L		9E-05	SW846-8082

**RADS**

Alpha activity	U	-2.38	pCi/L	3.37	9.32	SW846-9310
Beta activity	U	3.2	pCi/L	0.871	8.87	SW846-9310
Iodine-131	U	-0.788	pCi/L	1.58	14.1	RL-7124
Radium-226	U	0.00946	pCi/L	0.0388	0.697	RL-7129
Strontium-90	U	0.0834	pCi/L	0.0147	1.34	RL-7140
Technetium-99	U	-14.1	pCi/L	11.5	18.8	RL-7100
Thorium-230	U	0.0328	pCi/L	0.0632	0.181	RL-7128
Tritium	U	-151	pCi/L	165	279	704R8

**SVOA**

1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260

**VOA**

1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	JU	0.01	mg/L		0.01	SW846-8260
Acrolein	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260

# Paducah-OREIS Data Report

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## MW371

### 21099

Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	U	0.005 mg/L	0.005	SW846-8260
Methylene chloride	U	0.005 mg/L	0.005	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Cyanide	JU	0.05 mg/L	0.05	SW846-9010B
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		1.7 mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.0114 mg/L	0.01	SW846-9020B



# Paducah-OREIS Data Report

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**MW226**

**21102**

**MW226C4041-07**

Collected: 1/24/2007

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Arsenic		0.00187	mg/L		0.001	SW846-6020
Arsenic, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Cadmium	U	0.0006	mg/L		0.0006	SW846-6020
Cadmium, Dissolved	U	0.0006	mg/L		0.0006	SW846-6020
Chromium		0.325	mg/L		0.01	SW846-6020
Chromium, Dissolved	U	0.01	mg/L		0.01	SW846-6020
Lead	BU	0.0013	mg/L		0.0013	SW846-6020
Lead, Dissolved	BU	0.0013	mg/L		0.0013	SW846-6020
Mercury	UW	0.0002	mg/L		0.0002	SW846-7470A
Mercury, Dissolved	U	0.0002	mg/L		0.0002	SW846-7470A
Selenium		0.0072	mg/L		0.005	SW846-6020
Selenium, Dissolved	U	0.005	mg/L		0.005	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	BU	0.001	mg/L		0.001	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.71	Inches/Hg			
<b>PHYSC</b>						
Conductivity		379	umho/cm			
Depth to Water		50.22	ft			
Dissolved Oxygen		0.97	mg/L			
pH		5.89	Std Unit			
Redox		408	mV			
Temperature		57.5	deg F			
Turbidity		53.3	NTU			
<b>RADS</b>						
Technetium-99		118	pCi/L	16.7	18.4	RL-7100
Uranium-234	U	1.03	pCi/L	0.268	1.57	RL-7128
Uranium-235	U	-0.0031	pCi/L	0.0083	0.215	RL-7128
Uranium-238	U	0.21	pCi/L	0.127	0.525	RL-7128
<b>VOA</b>						
Trichloroethene	D	0.61	mg/L		0.005	SW846-8260

# Paducah-OREIS Data Report

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**MW227**

**21102**

**MW227C4041-07**

Collected: 1/24/2007

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Arsenic		0.00152	mg/L		0.001	SW846-6020
Arsenic, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Cadmium	U	0.0006	mg/L		0.0006	SW846-6020
Cadmium, Dissolved	U	0.0006	mg/L		0.0006	SW846-6020
Chromium		0.0607	mg/L		0.01	SW846-6020
Chromium, Dissolved	U	0.01	mg/L		0.01	SW846-6020
Lead	BU	0.0013	mg/L		0.0013	SW846-6020
Lead, Dissolved	BU	0.0013	mg/L		0.0013	SW846-6020
Mercury	UW	0.0002	mg/L		0.0002	SW846-7470A
Mercury, Dissolved	U	0.0002	mg/L		0.0002	SW846-7470A
Selenium		0.00551	mg/L		0.005	SW846-6020
Selenium, Dissolved	U	0.005	mg/L		0.005	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	BU	0.001	mg/L		0.001	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.71	Inches/Hg			
<b>PHYSC</b>						
Conductivity		287	umho/cm			
Depth to Water		50.41	ft			
Dissolved Oxygen		4.99	mg/L			
pH		6.12	Std Unit			
Redox		436	mV			
Temperature		58.2	deg F			
Turbidity		30.4	NTU			
<b>RADS</b>						
Technetium-99	U	11	pCi/L	13.5	18.4	RL-7100
Uranium-234	U	0.219	pCi/L	0.144	1.57	RL-7128
Uranium-235	U	0.0426	pCi/L	0.0576	0.229	RL-7128
Uranium-238	U	0.0696	pCi/L	0.0882	0.522	RL-7128
<b>VOA</b>						
Trichloroethene	D	0.18	mg/L		0.002	SW846-8260

# Paducah-OREIS Data Report

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**MW84**

**21102**

**MW84C4041-07**

Collected: 1/24/2007

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Arsenic		0.00162	mg/L		0.001	SW846-6020
Arsenic, Dissolved		0.00131	mg/L		0.001	SW846-6020
Cadmium	U	0.0006	mg/L		0.0006	SW846-6020
Cadmium, Dissolved	U	0.0006	mg/L		0.0006	SW846-6020
Chromium	U	0.01	mg/L		0.01	SW846-6020
Chromium, Dissolved	U	0.01	mg/L		0.01	SW846-6020
Lead	BU	0.0013	mg/L		0.0013	SW846-6020
Lead, Dissolved	BU	0.0013	mg/L		0.0013	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470A
Mercury, Dissolved	U	0.0002	mg/L		0.0002	SW846-7470A
Selenium	U	0.005	mg/L		0.005	SW846-6020
Selenium, Dissolved	U	0.005	mg/L		0.005	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	BU	0.001	mg/L		0.001	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.71	Inches/Hg			
<b>PHYSC</b>						
Conductivity		251	umho/cm			
Depth to Water		49.24	ft			
Dissolved Oxygen		2.11	mg/L			
pH		6.04	Std Unit			
Redox		436	mV			
Temperature		58	deg F			
Turbidity		3.9	NTU			
<b>RADS</b>						
Technetium-99	U	-5.77	pCi/L	12.5	18.4	RL-7100
Uranium-234	U	0.551	pCi/L	0.205	1.56	RL-7128
Uranium-235	U	-0.0291	pCi/L	0.0437	0.215	RL-7128
Uranium-238	U	0.066	pCi/L	0.0809	0.521	RL-7128
<b>VOA</b>						
Trichloroethene	D	0.48	mg/L		0.005	SW846-8260

# Paducah-OREIS Data Report

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**MW85**

**21102**

**MW85C4041-07**

Collected: 1/24/2007

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Arsenic		0.0118	mg/L		0.001	SW846-6020
Arsenic, Dissolved		0.0113	mg/L		0.001	SW846-6020
Cadmium	U	0.0006	mg/L		0.0006	SW846-6020
Cadmium, Dissolved	U	0.0006	mg/L		0.0006	SW846-6020
Chromium	U	0.01	mg/L		0.01	SW846-6020
Chromium, Dissolved	U	0.01	mg/L		0.01	SW846-6020
Lead	BU	0.0013	mg/L		0.0013	SW846-6020
Lead, Dissolved	BU	0.0013	mg/L		0.0013	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470A
Mercury, Dissolved	U	0.0002	mg/L		0.0002	SW846-7470A
Selenium	U	0.005	mg/L		0.005	SW846-6020
Selenium, Dissolved	U	0.005	mg/L		0.005	SW846-6020
Uranium		0.0518	mg/L		0.001	SW846-6020
Uranium, Dissolved	B	0.00881	mg/L		0.001	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.71	Inches/Hg			
<b>PHYSC</b>						
Conductivity		434	umho/cm			
Depth to Water		12.78	ft			
Dissolved Oxygen		3.09	mg/L			
pH		6.48	Std Unit			
Redox		414	mV			
Temperature		57.3	deg F			
Turbidity		16.5	NTU			
<b>RADS</b>						
Technetium-99		131	pCi/L	17.1	18.4	RL-7100
Uranium-234		3.9	pCi/L	0.518	1.57	RL-7128
Uranium-235		0.515	pCi/L	0.205	0.22	RL-7128
Uranium-238		23.3	pCi/L	1.23	0.528	RL-7128
<b>VOA</b>						
Trichloroethene	U	0.001	mg/L		0.001	SW846-8260

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**MW86**

**21102**

**MW86C4041-07**

Collected: 1/24/2007

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Arsenic		0.00305	mg/L		0.001	SW846-6020
Arsenic, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Cadmium	U	0.0006	mg/L		0.0006	SW846-6020
Cadmium, Dissolved	U	0.0006	mg/L		0.0006	SW846-6020
Chromium		0.0147	mg/L		0.01	SW846-6020
Chromium, Dissolved		0.011	mg/L		0.01	SW846-6020
Lead	BU	0.0013	mg/L		0.0013	SW846-6020
Lead, Dissolved	BU	0.0013	mg/L		0.0013	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470A
Mercury, Dissolved	U	0.0002	mg/L		0.0002	SW846-7470A
Selenium	U	0.005	mg/L		0.005	SW846-6020
Selenium, Dissolved	U	0.005	mg/L		0.005	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	BU	0.001	mg/L		0.001	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		30.03	Inches/Hg			
<b>PHYSC</b>						
Conductivity		233	umho/cm			
Depth to Water		47.62	ft			
Dissolved Oxygen		2.12	mg/L			
pH		5.9	Std Unit			
Redox		-9	mV			
Temperature		56.7	deg F			
Turbidity		101	NTU			
<b>RADS</b>						
Technetium-99	U	-2.91	pCi/L	12.6	18.4	RL-7100
Uranium-234	U	0.241	pCi/L	0.135	1.56	RL-7128
Uranium-235	U	0.0448	pCi/L	0.0693	0.208	RL-7128
Uranium-238	U	0.283	pCi/L	0.129	0.514	RL-7128
<b>VOA</b>						
Trichloroethene	D	0.38	mg/L		0.005	SW846-8260

# Paducah-OREIS Data Report

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**MW87**

**21102**

**MW87C4041-07**

Collected: 1/24/2007

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Arsenic		0.00116	mg/L		0.001	SW846-6020
Arsenic, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Cadmium	U	0.0006	mg/L		0.0006	SW846-6020
Cadmium, Dissolved	U	0.0006	mg/L		0.0006	SW846-6020
Chromium	U	0.01	mg/L		0.01	SW846-6020
Chromium, Dissolved	U	0.01	mg/L		0.01	SW846-6020
Lead	BU	0.0013	mg/L		0.0013	SW846-6020
Lead, Dissolved	BU	0.0013	mg/L		0.0013	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470A
Mercury, Dissolved	U	0.0002	mg/L		0.0002	SW846-7470A
Selenium	U	0.005	mg/L		0.005	SW846-6020
Selenium, Dissolved	U	0.005	mg/L		0.005	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	BU	0.001	mg/L		0.001	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		30.06	Inches/Hg			
<b>PHYSC</b>						
Conductivity		295	umho/cm			
Depth to Water		49.83	ft			
Dissolved Oxygen		2.34	mg/L			
pH		6.1	Std Unit			
Redox		-21	mV			
Temperature		55.6	deg F			
Turbidity		17.1	NTU			
<b>RADS</b>						
Technetium-99	U	-4.54	pCi/L	12.5	18.4	RL-7100
Uranium-234	U	0.448	pCi/L	0.19	1.56	RL-7128
Uranium-235	U	-0.0424	pCi/L	0.0617	0.213	RL-7128
Uranium-238	U	0.145	pCi/L	0.0996	0.524	RL-7128
<b>VOA</b>						
Trichloroethene		0.058	mg/L		0.001	SW846-8260

# Paducah-OREIS Data Report

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**MW88**

**21102**

**MW88C4041-07**

Collected: 1/24/2007

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Arsenic		0.00333	mg/L		0.001	SW846-6020
Arsenic, Dissolved		0.00258	mg/L		0.001	SW846-6020
Cadmium	U	0.0006	mg/L		0.0006	SW846-6020
Cadmium, Dissolved	U	0.0006	mg/L		0.0006	SW846-6020
Chromium	U	0.01	mg/L		0.01	SW846-6020
Chromium, Dissolved	U	0.01	mg/L		0.01	SW846-6020
Lead	BU	0.0013	mg/L		0.0013	SW846-6020
Lead, Dissolved	BU	0.0013	mg/L		0.0013	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470A
Mercury, Dissolved	U	0.0002	mg/L		0.0002	SW846-7470A
Selenium	U	0.005	mg/L		0.005	SW846-6020
Selenium, Dissolved	U	0.005	mg/L		0.005	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	BU	0.001	mg/L		0.001	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		30.06	Inches/Hg			
<b>PHYSC</b>						
Conductivity		554	umho/cm			
Depth to Water		11.8	ft			
Dissolved Oxygen		1.89	mg/L			
pH		5.7	Std Unit			
Redox		20	mV			
Temperature		55.3	deg F			
Turbidity		28.1	NTU			
<b>RADS</b>						
Technetium-99		21	pCi/L	13.9	18.4	RL-7100
Uranium-234	U	0.531	pCi/L	0.199	1.57	RL-7128
Uranium-235	U	0.0286	pCi/L	0.0508	0.213	RL-7128
Uranium-238	U	0.135	pCi/L	0.111	0.525	RL-7128
<b>VOA</b>						
Trichloroethene		0.0046	mg/L		0.001	SW846-8260

# Paducah-OREIS Data Report

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12/18/2007

**MW89**

**21102**

**MW89C4041-07**

Collected: 1/24/2007

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Arsenic	U	0.001	mg/L		0.001	SW846-6020
Arsenic, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Cadmium	U	0.0006	mg/L		0.0006	SW846-6020
Cadmium, Dissolved	U	0.0006	mg/L		0.0006	SW846-6020
Chromium	U	0.01	mg/L		0.01	SW846-6020
Chromium, Dissolved	U	0.01	mg/L		0.01	SW846-6020
Lead	BU	0.0013	mg/L		0.0013	SW846-6020
Lead, Dissolved	BU	0.0013	mg/L		0.0013	SW846-6020
Mercury	UW	0.0002	mg/L		0.0002	SW846-7470A
Mercury, Dissolved	U	0.0002	mg/L		0.0002	SW846-7470A
Selenium	U	0.005	mg/L		0.005	SW846-6020
Selenium, Dissolved	U	0.005	mg/L		0.005	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	BU	0.001	mg/L		0.001	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		30.06	Inches/Hg			
<b>PHYSC</b>						
Conductivity		188	umho/cm			
Depth to Water		53.03	ft			
Dissolved Oxygen		2.1	mg/L			
pH		5.9	Std Unit			
Redox		52	mV			
Temperature		56.7	deg F			
Turbidity		13.7	NTU			
<b>RADS</b>						
Technetium-99	U	4.25	pCi/L	13.5	18.4	RL-7100
Uranium-234	U	1.3	pCi/L	0.293	1.57	RL-7128
Uranium-235	U	0.0461	pCi/L	0.0616	0.212	RL-7128
Uranium-238	U	0.21	pCi/L	0.115	0.519	RL-7128
<b>VOA</b>						
Trichloroethene		0.0016	mg/L		0.001	SW846-8260



# Paducah-OREIS Data Report

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**MW90A**

**21102**

**MW90AC4041-07**

Collected: 1/23/2007

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Arsenic	U	0.001	mg/L		0.001	SW846-6020
Arsenic, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Cadmium	U	0.0006	mg/L		0.0006	SW846-6020
Cadmium, Dissolved	U	0.0006	mg/L		0.0006	SW846-6020
Chromium	U	0.01	mg/L		0.01	SW846-6020
Chromium, Dissolved	U	0.01	mg/L		0.01	SW846-6020
Lead	BU	0.0013	mg/L		0.0013	SW846-6020
Lead, Dissolved	BU	0.0013	mg/L		0.0013	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470A
Mercury, Dissolved	U	0.0002	mg/L		0.0002	SW846-7470A
Selenium	U	0.005	mg/L		0.005	SW846-6020
Selenium, Dissolved	U	0.005	mg/L		0.005	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	BU	0.001	mg/L		0.001	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.71	Inches/Hg			
<b>PHYSC</b>						
Conductivity		271	umho/cm			
Depth to Water		46	ft			
Dissolved Oxygen		1.68	mg/L			
pH		6	Std Unit			
Redox		-31	mV			
Temperature		50.2	deg F			
Turbidity		65.6	NTU			
<b>RADS</b>						
Technetium-99	U	0.117	pCi/L	13.6	18.4	RL-7100
Uranium-234	U	0.452	pCi/L	0.207	1.57	RL-7128
Uranium-235	U	0.0384	pCi/L	0.085	0.226	RL-7128
Uranium-238	U	0.0339	pCi/L	0.108	0.549	RL-7128
<b>VOA</b>						
Trichloroethene		0.0015	mg/L		0.001	SW846-8260

# Paducah-OREIS Data Report

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**MW91**

**21102**

**MW91C4041-07**

Collected: 1/24/2007

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Arsenic	U	0.01	mg/L		0.01	SW846-6020
Arsenic, Dissolved		0.00225	mg/L		0.001	SW846-6020
Cadmium	U	0.0006	mg/L		0.0006	SW846-6020
Cadmium, Dissolved	U	0.0006	mg/L		0.0006	SW846-6020
Chromium		0.248	mg/L		0.1	SW846-6020
Chromium, Dissolved		0.011	mg/L		0.01	SW846-6020
Lead	BU	0.0013	mg/L		0.0013	SW846-6020
Lead, Dissolved	BU	0.0013	mg/L		0.0013	SW846-6020
Mercury	UW	0.0002	mg/L		0.0002	SW846-7470A
Mercury, Dissolved	U	0.0002	mg/L		0.0002	SW846-7470A
Selenium		0.0148	mg/L		0.005	SW846-6020
Selenium, Dissolved		0.00676	mg/L		0.005	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	BU	0.001	mg/L		0.001	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		30.06	Inches/Hg			
<b>PHYSC</b>						
Conductivity		483	umho/cm			
Depth to Water		11.27	ft			
Dissolved Oxygen		2.65	mg/L			
pH		5.9	Std Unit			
Redox		81	mV			
Temperature		59.5	deg F			
Turbidity		66.4	NTU			
<b>RADS</b>						
Technetium-99		998	pCi/L	32.8	18.4	RL-7100
Uranium-234	U	0.882	pCi/L	0.243	1.57	RL-7128
Uranium-235	U	-0.0175	pCi/L	0.0205	0.225	RL-7128
Uranium-238	U	0.168	pCi/L	0.118	0.523	RL-7128
<b>VOA</b>						
Trichloroethene		0.079	mg/L		0.001	SW846-8260

# Paducah-OREIS Data Report

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**MW92**

**21102**

**MW92C4041-07**

Collected: 1/23/2007

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Arsenic		0.00101	mg/L		0.001	SW846-6020
Arsenic, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Cadmium	U	0.0006	mg/L		0.0006	SW846-6020
Cadmium, Dissolved	U	0.0006	mg/L		0.0006	SW846-6020
Chromium	U	0.01	mg/L		0.01	SW846-6020
Chromium, Dissolved	U	0.01	mg/L		0.01	SW846-6020
Lead	BU	0.0013	mg/L		0.0013	SW846-6020
Lead, Dissolved	BU	0.0013	mg/L		0.0013	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470A
Mercury, Dissolved	U	0.0002	mg/L		0.0002	SW846-7470A
Selenium	U	0.005	mg/L		0.005	SW846-6020
Selenium, Dissolved	U	0.005	mg/L		0.005	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	BU	0.001	mg/L		0.001	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.71	Inches/Hg			
<b>PHYSC</b>						
Conductivity		146	umho/cm			
Depth to Water		46.38	ft			
Dissolved Oxygen		1.4	mg/L			
pH		5.7	Std Unit			
Redox		39	mV			
Temperature		54	deg F			
Turbidity		94.3	NTU			
<b>RADS</b>						
Technetium-99	U	-10	pCi/L	12.4	18.4	RL-7100
Uranium-234	U	0.227	pCi/L	0.169	1.57	RL-7128
Uranium-235	U	0.0495	pCi/L	0.0656	0.226	RL-7128
Uranium-238	U	0.102	pCi/L	0.0864	0.522	RL-7128
<b>VOA</b>						
Trichloroethene	U	0.001	mg/L		0.001	SW846-8260

# Paducah-OREIS Data Report

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**MW92**  
**21102**  
**MW92DC4041-07**

Collected: 1/23/2007

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Arsenic		0.00105	mg/L		0.001	SW846-6020
Arsenic, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Cadmium	U	0.0006	mg/L		0.0006	SW846-6020
Cadmium, Dissolved	U	0.0006	mg/L		0.0006	SW846-6020
Chromium	U	0.01	mg/L		0.01	SW846-6020
Chromium, Dissolved	U	0.01	mg/L		0.01	SW846-6020
Lead		0.00146	mg/L		0.0013	SW846-6020
Lead, Dissolved	BU	0.0013	mg/L		0.0013	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470A
Mercury, Dissolved	U	0.0002	mg/L		0.0002	SW846-7470A
Selenium	U	0.005	mg/L		0.005	SW846-6020
Selenium, Dissolved	U	0.005	mg/L		0.005	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	BU	0.001	mg/L		0.001	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.71	Inches/Hg			
<b>PHYSC</b>						
Conductivity		146	umho/cm			
Depth to Water		46.38	ft			
Dissolved Oxygen		1.4	mg/L			
pH		5.7	Std Unit			
Redox		39	mV			
Temperature		54	deg F			
Turbidity		94.3	NTU			
<b>RADS</b>						
Technetium-99	U	-6.76	pCi/L	12.4	18.4	RL-7100
Uranium-234	U	0.384	pCi/L	0.197	1.57	RL-7128
Uranium-235	U	0.0516	pCi/L	0.0783	0.223	RL-7128
Uranium-238	U	0.111	pCi/L	0.112	0.519	RL-7128
<b>VOA</b>						
Trichloroethene	U	0.001	mg/L		0.001	SW846-8260

# Paducah-OREIS Data Report

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**MW93**

**21102**

**MW93C4041-07**

Collected: 1/24/2007

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Arsenic		0.00159	mg/L		0.001	SW846-6020
Arsenic, Dissolved		0.00124	mg/L		0.001	SW846-6020
Cadmium	U	0.0006	mg/L		0.0006	SW846-6020
Cadmium, Dissolved	U	0.0006	mg/L		0.0006	SW846-6020
Chromium	U	0.01	mg/L		0.01	SW846-6020
Chromium, Dissolved	U	0.01	mg/L		0.01	SW846-6020
Lead	BU	0.0013	mg/L		0.0013	SW846-6020
Lead, Dissolved	BU	0.0013	mg/L		0.0013	SW846-6020
Mercury	UW	0.0002	mg/L		0.0002	SW846-7470A
Mercury, Dissolved	U	0.0002	mg/L		0.0002	SW846-7470A
Selenium	U	0.005	mg/L		0.005	SW846-6020
Selenium, Dissolved	U	0.005	mg/L		0.005	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	BU	0.001	mg/L		0.001	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.71	Inches/Hg			
<b>PHYSC</b>						
Conductivity		254	umho/cm			
Depth to Water		50.33	ft			
Dissolved Oxygen		1.67	mg/L			
pH		5.97	Std Unit			
Redox		431	mV			
Temperature		58	deg F			
Turbidity		5.5	NTU			
<b>RADS</b>						
Technetium-99	U	-18.3	pCi/L	12	18.4	RL-7100
Uranium-234	U	0.177	pCi/L	0.144	1.58	RL-7128
Uranium-235	U	0.0111	pCi/L	0.0368	0.218	RL-7128
Uranium-238	U	0.0393	pCi/L	0.0594	0.522	RL-7128
<b>VOA</b>						
Trichloroethene	D	0.54	mg/L		0.005	SW846-8260

# Paducah-OREIS Data Report

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**MW94**

**21102**

**MW94C4041-07**

Collected: 1/23/2007

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Arsenic	U	0.01	mg/L		0.01	SW846-6020
Arsenic, Dissolved		0.0021	mg/L		0.001	SW846-6020
Cadmium	U	0.0006	mg/L		0.0006	SW846-6020
Cadmium, Dissolved	U	0.0006	mg/L		0.0006	SW846-6020
Chromium		0.113	mg/L		0.1	SW846-6020
Chromium, Dissolved	U	0.01	mg/L		0.01	SW846-6020
Lead		0.00464	mg/L		0.0013	SW846-6020
Lead, Dissolved	BU	0.0013	mg/L		0.0013	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470A
Mercury, Dissolved	U	0.0002	mg/L		0.0002	SW846-7470A
Selenium		0.00503	mg/L		0.005	SW846-6020
Selenium, Dissolved	U	0.005	mg/L		0.005	SW846-6020
Uranium		0.00414	mg/L		0.001	SW846-6020
Uranium, Dissolved	B	0.00377	mg/L		0.001	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.71	Inches/Hg			
<b>PHYSC</b>						
Conductivity		1190	umho/cm			
Depth to Water		13.6	ft			
Dissolved Oxygen		1.26	mg/L			
pH		6.32	Std Unit			
Redox		355	mV			
Temperature		61.2	deg F			
Turbidity		116	NTU			
<b>RADS</b>						
Technetium-99		217	pCi/L	19.2	18.4	RL-7100
Uranium-234		1.7	pCi/L	0.331	1.57	RL-7128
Uranium-235	U	0.0417	pCi/L	0.0954	0.225	RL-7128
Uranium-238		1.17	pCi/L	0.272	0.526	RL-7128
<b>VOA</b>						
Trichloroethene		0.0094	mg/L		0.001	SW846-8260

# Paducah-OREIS Data Report

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**MW95A**

**21102**

**MW95AC4041-07**

Collected: 1/23/2007

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Arsenic		0.00118	mg/L		0.001	SW846-6020
Arsenic, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Cadmium	U	0.0006	mg/L		0.0006	SW846-6020
Cadmium, Dissolved	U	0.0006	mg/L		0.0006	SW846-6020
Chromium	U	0.01	mg/L		0.01	SW846-6020
Chromium, Dissolved	U	0.01	mg/L		0.01	SW846-6020
Lead	BU	0.0013	mg/L		0.0013	SW846-6020
Lead, Dissolved	BU	0.0013	mg/L		0.0013	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470A
Mercury, Dissolved	U	0.0002	mg/L		0.0002	SW846-7470A
Selenium	U	0.005	mg/L		0.005	SW846-6020
Selenium, Dissolved	U	0.005	mg/L		0.005	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	BU	0.001	mg/L		0.001	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.71	Inches/Hg			
<b>PHYSC</b>						
Conductivity		252	umho/cm			
Depth to Water		48.75	ft			
Dissolved Oxygen		1.16	mg/L			
pH		5.97	Std Unit			
Redox		412	mV			
Temperature		59	deg F			
Turbidity		4.3	NTU			
<b>RADS</b>						
Technetium-99	U	2.85	pCi/L	13.3	18.4	RL-7100
Uranium-234	U	0.432	pCi/L	0.195	1.57	RL-7128
Uranium-235	U	0.0291	pCi/L	0.0514	0.228	RL-7128
Uranium-238	U	0.114	pCi/L	0.117	0.526	RL-7128
<b>VOA</b>						
Trichloroethene	D	0.29	mg/L		0.005	SW846-8260

# Paducah-OREIS Data Report

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**MW220**  
**21104**  
**MW220SG2-07**

Collected: 1/11/2007

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	2	mg/L		2	SW846-9056
Chloride	N	29	mg/L		2	SW846-9056
Fluoride		0.22	mg/L		0.1	9214
Nitrate as Nitrogen		1.3	mg/L		1	SW846-9056
Sulfate		15	mg/L		2	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010B
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic	U	0.001	mg/L		0.001	SW846-6020
Barium		0.222	mg/L		0.005	SW846-6020
Barium, Dissolved		0.214	mg/L		0.005	SW846-6020
Beryllium	UX	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6010B
Cadmium	U	0.0006	mg/L		0.0006	SW846-6020
Calcium		22.3	mg/L		1	SW846-6010B
Chromium	UX	0.01	mg/L		0.01	SW846-6020
Chromium, Dissolved	U	0.01	mg/L		0.01	SW846-6020
Cobalt	X	0.0034	mg/L		0.001	SW846-6020
Copper	UX	0.02	mg/L		0.02	SW846-6020
Iron	B	0.075	mg/L		0.05	SW846-6010B
Lead	U	0.0013	mg/L		0.0013	SW846-6020
Magnesium		9.06	mg/L		0.025	SW846-6010B
Manganese	X	0.038	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470A
Molybdenum		0.00382	mg/L		0.001	SW846-6020
Nickel	X	0.295	mg/L		0.005	SW846-6020
Potassium		5.52	mg/L		0.2	SW846-6010B
Rhodium	BU	0.005	mg/L		0.005	SW846-6020
Selenium	U	0.005	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		38.6	mg/L		0.5	SW846-6010B
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	UX	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.8	Inches/Hg			
<b>PHYSC</b>						
Conductivity		360	umho/cm			
Depth to Water		54.23	ft			
Dissolved Oxygen		2.82	mg/L			
Dissolved Solids		212	mg/L		40	EPA-160.1
pH		6.2	Std Unit			
Redox		274	mV			
Suspended Solids	U	14	mg/L		14	EPA-160.2
Temperature		58.9	deg F			
Turbidity		12.7	NTU			



**MW220****21104****RADS**

Alpha activity	U	2.16	pCi/L	1.3	5.42	SW846-9310
Beta activity		12.9	pCi/L	2.71	7.57	SW846-9310
Iodine-131	U	1.47	pCi/L	2.93	13.9	RL-7124
Radium-226	U	0.143	pCi/L	0.194	0.667	RL-7129
Strontium-90	U	-0.189	pCi/L	0.0341	1.37	RL-7140
Technetium-99	U	12.5	pCi/L	12.1	16.8	RL-7100
Thorium-230	U	0.00312	pCi/L	0.0476	0.182	RL-7128
Tritium	U	92	pCi/L	116	191	704R8

**SVOA**

1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260

**VOA**

1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JU	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	U	0.01	mg/L		0.01	SW846-8260
Acrolein	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260

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## MW220

### 21104

Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Cyanide	U	0.05 mg/L	0.05	SW846-9010B
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.01 mg/L	0.01	SW846-9020B

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# Paducah-OREIS Data Report

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**MW221**

**21104**

**MW221SG2-07**

Collected: 1/11/2007

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	2	mg/L		2	SW846-9056
Chloride	N	40	mg/L		2	SW846-9056
Fluoride		0.2	mg/L		0.1	9214
Nitrate as Nitrogen		1.6	mg/L		1	SW846-9056
Sulfate		12	mg/L		2	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010B
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic		0.00108	mg/L		0.001	SW846-6020
Barium		0.215	mg/L		0.005	SW846-6020
Barium, Dissolved		0.206	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6010B
Cadmium	U	0.0006	mg/L		0.0006	SW846-6020
Calcium		21.1	mg/L		1	SW846-6010B
Chromium	U	0.01	mg/L		0.01	SW846-6020
Chromium, Dissolved	U	0.01	mg/L		0.01	SW846-6020
Cobalt		0.00142	mg/L		0.001	SW846-6020
Copper	U	0.02	mg/L		0.02	SW846-6020
Iron	U	0.05	mg/L		0.05	SW846-6010B
Lead	U	0.0013	mg/L		0.0013	SW846-6020
Magnesium		9.07	mg/L		0.025	SW846-6010B
Manganese	X	0.00764	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470A
Molybdenum		0.00202	mg/L		0.001	SW846-6020
Nickel	X	0.055	mg/L		0.005	SW846-6020
Potassium		1.49	mg/L		0.2	SW846-6010B
Rhodium	BU	0.005	mg/L		0.005	SW846-6020
Selenium		0.00527	mg/L		0.005	SW846-6020
Silver	BNU	0.001	mg/L		0.001	SW846-6020
Sodium		42.3	mg/L		0.5	SW846-6010B
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	BU	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.8	Inches/Hg			
<b>PHYSC</b>						
Conductivity		364	umho/cm			
Depth to Water		63.84	ft			
Dissolved Oxygen		4.81	mg/L			
Dissolved Solids	J	213	mg/L		40	EPA-160.1
pH		6.1	Std Unit			
Redox		296	mV			
Suspended Solids	U	14	mg/L		14	EPA-160.2
Temperature		54.4	deg F			
Turbidity		4	NTU			

**MW221****21104****RADS**

Alpha activity	U	2.08	pCi/L	1.32	5.9	SW846-9310
Beta activity		10.4	pCi/L	2.32	7.76	SW846-9310
Iodine-131	U	9.93	pCi/L	5.99	13.6	RL-7124
Radium-226	U	-0.0395	pCi/L	0.0418	0.702	RL-7129
Strontium-90	U	0.167	pCi/L	0.0282	1.38	RL-7140
Technetium-99	U	11.2	pCi/L	12.2	16.8	RL-7100
Thorium-230	U	0.0356	pCi/L	0.065	0.185	RL-7128
Tritium	U	-36.4	pCi/L	112	189	704R8

**SVOA**

1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260

**VOA**

1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JU	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	U	0.01	mg/L		0.01	SW846-8260
Acrolein	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260

# Paducah-OREIS Data Report

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## MW221

### 21104

Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Cyanide	U	0.05 mg/L	0.05	SW846-9010B
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		1.4 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.01 mg/L	0.01	SW846-9020B

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# Paducah-OREIS Data Report

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**MW222**

**21104**

**MW222SG2-07**

Collected: 1/11/2007

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	2	mg/L		2	SW846-9056
Chloride	N	39	mg/L		2	SW846-9056
Fluoride		0.29	mg/L		0.1	9214
Nitrate as Nitrogen		1.2	mg/L		1	SW846-9056
Sulfate		12	mg/L		2	SW846-9056
<b>METAL</b>						
Aluminum		0.557	mg/L		0.2	SW846-6010B
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic		0.00131	mg/L		0.001	SW846-6020
Barium		0.384	mg/L		0.005	SW846-6020
Barium, Dissolved		0.361	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6010B
Cadmium	U	0.0006	mg/L		0.0006	SW846-6020
Calcium		18.8	mg/L		1	SW846-6010B
Chromium	U	0.01	mg/L		0.01	SW846-6020
Chromium, Dissolved	U	0.01	mg/L		0.01	SW846-6020
Cobalt		0.00443	mg/L		0.001	SW846-6020
Copper	U	0.02	mg/L		0.02	SW846-6020
Iron		0.511	mg/L		0.05	SW846-6010B
Lead	U	0.0013	mg/L		0.0013	SW846-6020
Magnesium		8.22	mg/L		0.025	SW846-6010B
Manganese	X	0.574	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470A
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	X	0.00867	mg/L		0.005	SW846-6020
Potassium		0.544	mg/L		0.2	SW846-6010B
Rhodium	BU	0.005	mg/L		0.005	SW846-6020
Selenium	U	0.005	mg/L		0.005	SW846-6020
Silver	BNU	0.001	mg/L		0.001	SW846-6020
Sodium		42.6	mg/L		0.5	SW846-6010B
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	BU	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.8	Inches/Hg			
<b>PHYSC</b>						
Conductivity		360	umho/cm			
Depth to Water		67.92	ft			
Dissolved Oxygen		3.03	mg/L			
Dissolved Solids	J	230	mg/L		40	EPA-160.1
pH		6.1	Std Unit			
Redox		278	mV			
Suspended Solids	U	14	mg/L		14	EPA-160.2
Temperature		58.4	deg F			
Turbidity		8	NTU			

**MW222****21104****RADS**

Alpha activity	U	0.872	pCi/L	0.659	5.65	SW846-9310
Beta activity	U	5.56	pCi/L	1.39	7.67	SW846-9310
Iodine-131	U	2.34	pCi/L	4.68	14.3	RL-7124
Radium-226	U	-0.045	pCi/L	0.0496	0.724	RL-7129
Strontium-90	U	0.185	pCi/L	0.0312	1.38	RL-7140
Technetium-99	U	5.31	pCi/L	11.9	16.8	RL-7100
Thorium-230	U	0.0409	pCi/L	0.0572	0.204	RL-7128
Tritium	U	-64.3	pCi/L	113	191	704R8

**SVOA**

1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260

**VOA**

1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JU	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	U	0.01	mg/L		0.01	SW846-8260
Acrolein	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260

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## MW222

### 21104

Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Cyanide	U	0.05 mg/L	0.05	SW846-9010B
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.01 mg/L	0.01	SW846-9020B

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# Paducah-OREIS Data Report

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**MW223**  
**21104**  
**MW223SG2-07**

Collected: 1/11/2007

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	2	mg/L		2	SW846-9056
Chloride	N	36	mg/L		2	SW846-9056
Fluoride		0.22	mg/L		0.1	9214
Nitrate as Nitrogen		1.2	mg/L		1	SW846-9056
Sulfate		12	mg/L		2	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010B
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic	U	0.001	mg/L		0.001	SW846-6020
Barium		0.244	mg/L		0.005	SW846-6020
Barium, Dissolved		0.234	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6010B
Cadmium	U	0.0006	mg/L		0.0006	SW846-6020
Calcium		21.4	mg/L		1	SW846-6010B
Chromium	U	0.01	mg/L		0.01	SW846-6020
Chromium, Dissolved	U	0.01	mg/L		0.01	SW846-6020
Cobalt	U	0.001	mg/L		0.001	SW846-6020
Copper	U	0.02	mg/L		0.02	SW846-6020
Iron	U	0.05	mg/L		0.05	SW846-6010B
Lead		0.00145	mg/L		0.0013	SW846-6020
Magnesium		8.78	mg/L		0.025	SW846-6010B
Manganese	X	0.0121	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470A
Molybdenum		0.00309	mg/L		0.001	SW846-6020
Nickel	X	0.0711	mg/L		0.005	SW846-6020
Potassium		2.07	mg/L		0.2	SW846-6010B
Rhodium	BU	0.005	mg/L		0.005	SW846-6020
Selenium	U	0.005	mg/L		0.005	SW846-6020
Silver	BNU	0.001	mg/L		0.001	SW846-6020
Sodium		42.9	mg/L		0.5	SW846-6010B
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	BU	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.8	Inches/Hg			
<b>PHYSC</b>						
Conductivity		363	umho/cm			
Depth to Water		67.04	ft			
Dissolved Oxygen		3.08	mg/L			
Dissolved Solids	J	218	mg/L		40	EPA-160.1
pH		6.1	Std Unit			
Redox		290	mV			
Suspended Solids	U	14	mg/L		14	EPA-160.2
Temperature		57	deg F			
Turbidity		3.7	NTU			

**MW223****21104****RADS**

Alpha activity	U	1.1	pCi/L	0.828	5.82	SW846-9310
Beta activity	U	3.64	pCi/L	0.963	7.73	SW846-9310
Iodine-131	U	-7.11	pCi/L	14.2	12.7	RL-7124
Radium-226	U	0.0849	pCi/L	0.19	0.686	RL-7129
Strontium-90	U	-0.0207	pCi/L	0.0036	1.41	RL-7140
Technetium-99	U	4.89	pCi/L	11.9	16.8	RL-7100
Thorium-230	U	0.0231	pCi/L	0.0488	0.181	RL-7128
Tritium	U	-30.8	pCi/L	113	190	704R8

**SVOA**

1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260

**VOA**

1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JU	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	U	0.01	mg/L		0.01	SW846-8260
Acrolein	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260

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## MW223

### 21104

Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Cyanide	U	0.05 mg/L	0.05	SW846-9010B
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.01 mg/L	0.01	SW846-9020B

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# Paducah-OREIS Data Report

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## MW224 21104 MW224SG2-07

Collected: 1/11/2007

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	2	mg/L		2	SW846-9056
Chloride	N	39	mg/L		2	SW846-9056
Fluoride		0.27	mg/L		0.1	9214
Nitrate as Nitrogen		1.3	mg/L		1	SW846-9056
Sulfate		19	mg/L		2	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010B
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic	U	0.001	mg/L		0.001	SW846-6020
Barium		0.293	mg/L		0.005	SW846-6020
Barium, Dissolved		0.278	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6010B
Cadmium	U	0.0006	mg/L		0.0006	SW846-6020
Calcium		28.9	mg/L		1	SW846-6010B
Chromium	U	0.01	mg/L		0.01	SW846-6020
Chromium, Dissolved	U	0.01	mg/L		0.01	SW846-6020
Cobalt		0.00278	mg/L		0.001	SW846-6020
Copper	U	0.02	mg/L		0.02	SW846-6020
Iron	U	0.05	mg/L		0.05	SW846-6010B
Lead	U	0.0013	mg/L		0.0013	SW846-6020
Magnesium		12.2	mg/L		0.025	SW846-6010B
Manganese	X	0.264	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470A
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	UX	0.005	mg/L		0.005	SW846-6020
Potassium		1.06	mg/L		0.2	SW846-6010B
Rhodium	BU	0.005	mg/L		0.005	SW846-6020
Selenium	U	0.005	mg/L		0.005	SW846-6020
Silver	BNU	0.001	mg/L		0.001	SW846-6020
Sodium		58.7	mg/L		0.5	SW846-6010B
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	BU	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.8	Inches/Hg			
<b>PHYSC</b>						
Conductivity		477	umho/cm			
Depth to Water		68.38	ft			
Dissolved Oxygen		3.09	mg/L			
Dissolved Solids	J	290	mg/L		40	EPA-160.1
pH		6.2	Std Unit			
Redox		263	mV			
Suspended Solids	U	14	mg/L		14	EPA-160.2
Temperature		58.7	deg F			
Turbidity		3.2	NTU			

# Paducah-OREIS Data Report

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## MW224

### 21104

#### RADS

Alpha activity	U	0.394	pCi/L	0.321	6.04	SW846-9310
Beta activity	U	5.38	pCi/L	1.36	7.81	SW846-9310
Iodine-131	U	1.61	pCi/L	3.22	12.4	RL-7124
Radium-226	U	0.168	pCi/L	0.226	0.69	RL-7129
Strontium-90	U	0.0393	pCi/L	0.0068	1.36	RL-7140
Technetium-99	U	10.9	pCi/L	12.1	16.8	RL-7100
Thorium-230	U	0.0434	pCi/L	0.0625	0.196	RL-7128
Tritium	U	32.9	pCi/L	115	191	704R8

#### SVOA

1,2-Dichlorobenzene	UX	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	UX	0.005	mg/L		0.005	SW846-8260

#### VOA

1,1,1,2-Tetrachloroethane	UX	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	UX	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	UX	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	UX	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	UX	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	UX	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	UX	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JU	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	UX	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	UX	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	UX	0.005	mg/L		0.005	SW846-8260
2-Butanone	UX	0.01	mg/L		0.01	SW846-8260
2-Hexanone	UX	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	UX	0.01	mg/L		0.01	SW846-8260
Acetone	UX	0.01	mg/L		0.01	SW846-8260
Acrolein	JUX	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	UX	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	UX	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	UX	0.005	mg/L		0.005	SW846-8260
Bromoform	UX	0.005	mg/L		0.005	SW846-8260
Bromomethane	UX	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	UX	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	UX	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	UX	0.005	mg/L		0.005	SW846-8260
Chloroethane	UX	0.005	mg/L		0.005	SW846-8260
Chloroform	UX	0.005	mg/L		0.005	SW846-8260
Chloromethane	UX	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	UX	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	UX	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	UX	0.005	mg/L		0.005	SW846-8260
Dibromomethane	UX	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	UX	0.005	mg/L		0.005	SW846-8260
Iodomethane	UX	0.005	mg/L		0.005	SW846-8260
Methylene chloride	UX	0.005	mg/L		0.005	SW846-8260
Styrene	UX	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	UX	0.005	mg/L		0.005	SW846-8260
Toluene	UX	0.005	mg/L		0.005	SW846-8260
Total Xylene	UX	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	UX	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	UX	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	UX	0.005	mg/L		0.005	SW846-8260

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## MW224

### 21104

Trichloroethene	UX	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	UX	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	UX	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	UX	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Cyanide	U	0.05 mg/L	0.05	SW846-9010B
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.01 mg/L	0.01	SW846-9020B

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# Paducah-OREIS Data Report

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12/18/2007

**MW384**  
**21104**  
**MW384SG2-07**

Collected: 1/17/2007

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	2	mg/L		2	SW846-9056
Chloride		56	mg/L		5	SW846-9056
Fluoride		0.27	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		22	mg/L		1	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010B
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic		0.00399	mg/L		0.001	SW846-6020
Barium		0.171	mg/L		0.005	SW846-6020
Barium, Dissolved		0.157	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6010B
Cadmium	U	0.0006	mg/L		0.0006	SW846-6020
Calcium		28.8	mg/L		1	SW846-6010B
Chromium	U	0.01	mg/L		0.01	SW846-6020
Chromium, Dissolved	U	0.01	mg/L		0.01	SW846-6020
Cobalt	U	0.001	mg/L		0.001	SW846-6020
Copper	U	0.02	mg/L		0.02	SW846-6020
Iron		0.387	mg/L		0.05	SW846-6010B
Lead	U	0.0013	mg/L		0.0013	SW846-6020
Magnesium		11	mg/L		0.025	SW846-6010B
Manganese	X	0.133	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470A
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	UX	0.005	mg/L		0.005	SW846-6020
Potassium		1.26	mg/L		0.2	SW846-6010B
Rhodium	BU	0.005	mg/L		0.005	SW846-6020
Selenium	B	0.00851	mg/L		0.005	SW846-6020
Silver	BNU	0.001	mg/L		0.001	SW846-6020
Sodium		52.2	mg/L		0.5	SW846-6010B
Tantalum	JU	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	BU	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		30.24	Inches/Hg			
<b>PHYSC</b>						
Conductivity		529	umho/cm			
Depth to Water		38.05	ft			
Dissolved Oxygen		1.5	mg/L			
Dissolved Solids		286	mg/L		40	EPA-160.1
pH		5.79	Std Unit			
Redox		-113	mV			
Suspended Solids	U	14	mg/L		14	EPA-160.2
Temperature		53.5	deg F			
Turbidity		14.3	NTU			

**MW384****21104****RADS**

Alpha activity	U	3.76	pCi/L	1.13	5.6	SW846-9310
Beta activity		242	pCi/L	12	4.82	SW846-9310
Iodine-131	U	5.71	pCi/L	11.4	15.8	RL-7124
Radium-226	U	0.0594	pCi/L	0.139	0.656	RL-7129
Strontium-90	U	-0.159	pCi/L	0.0287	1.38	RL-7140
Technetium-99		327	pCi/L	20.2	16.7	RL-7100
Thorium-230	U	-0.0108	pCi/L	0.0553	0.201	RL-7128
Tritium	U	22.8	pCi/L	115	191	704R8

**SVOA**

1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260

**VOA**

1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JU	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	JU	0.01	mg/L		0.01	SW846-8260
Acrolein	U	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260



# Paducah-OREIS Data Report

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## MW384

### 21104

Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	B	46 mg/L	25	EPA-410.4 1978
Cyanide	U	0.05 mg/L	0.05	SW846-9010B
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	D	23 mg/L	4	SW846-9060
Total Organic Halides (TOX)		0.0138 mg/L	0.01	SW846-9020B

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# Paducah-OREIS Data Report

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**MW385**  
**21104**  
**MW385SG2-07**

Collected: 1/17/2007

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	2	mg/L		2	SW846-9056
Chloride		33	mg/L		2	SW846-9056
Fluoride		0.18	mg/L		0.1	9214
Nitrate as Nitrogen		1.2	mg/L		1	SW846-9056
Sulfate		17	mg/L		2	SW846-9056
<b>METAL</b>						
Aluminum		1.19	mg/L		0.2	SW846-6010B
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic		0.00123	mg/L		0.001	SW846-6020
Barium		0.196	mg/L		0.005	SW846-6020
Barium, Dissolved		0.177	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6010B
Cadmium	U	0.0006	mg/L		0.0006	SW846-6020
Calcium		27.4	mg/L		1	SW846-6010B
Chromium	U	0.01	mg/L		0.01	SW846-6020
Chromium, Dissolved	U	0.01	mg/L		0.01	SW846-6020
Cobalt	U	0.001	mg/L		0.001	SW846-6020
Copper	U	0.02	mg/L		0.02	SW846-6020
Iron		0.506	mg/L		0.05	SW846-6010B
Lead	U	0.0013	mg/L		0.0013	SW846-6020
Magnesium		8.66	mg/L		0.025	SW846-6010B
Manganese	X	0.0126	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470A
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	UX	0.005	mg/L		0.005	SW846-6020
Potassium		1.65	mg/L		0.2	SW846-6010B
Rhodium	BU	0.005	mg/L		0.005	SW846-6020
Selenium	BU	0.005	mg/L		0.005	SW846-6020
Silver	BNU	0.001	mg/L		0.001	SW846-6020
Sodium		46.5	mg/L		0.5	SW846-6010B
Tantalum	JU	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	BU	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		30.24	Inches/Hg			
<b>PHYSC</b>						
Conductivity		453	umho/cm			
Depth to Water		38.43	ft			
Dissolved Oxygen		3.4	mg/L			
Dissolved Solids		254	mg/L		40	EPA-160.1
pH		6.46	Std Unit			
Redox		122	mV			
Suspended Solids		22	mg/L		14	EPA-160.2
Temperature		56.5	deg F			
Turbidity		41.4	NTU			

# Paducah-OREIS Data Report

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## MW385

### 21104

#### RADS

Alpha activity	U	2.68	pCi/L	0.828	5.07	SW846-9310
Beta activity		231	pCi/L	11.5	4.68	SW846-9310
Iodine-131	U	-3.33	pCi/L	6.65	13.7	RL-7124
Radium-226	U	0.0189	pCi/L	0.0576	0.649	RL-7129
Strontium-90	U	0.175	pCi/L	0.0294	1.38	RL-7140
Technetium-99		259	pCi/L	18.8	16.7	RL-7100
Thorium-230	U	0.00634	pCi/L	0.0539	0.239	RL-7128
Tritium	U	8.54	pCi/L	115	191	704R8

#### SVOA

1,2-Dichlorobenzene	UX	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	UX	0.005	mg/L		0.005	SW846-8260

#### VOA

1,1,1,2-Tetrachloroethane	UX	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	UX	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	UX	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	UX	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	UX	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	UX	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	UX	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JU	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	UX	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	UX	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	UX	0.005	mg/L		0.005	SW846-8260
2-Butanone	UX	0.01	mg/L		0.01	SW846-8260
2-Hexanone	UX	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	UX	0.01	mg/L		0.01	SW846-8260
Acetone	JUX	0.01	mg/L		0.01	SW846-8260
Acrolein	U	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	UX	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	UX	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	UX	0.005	mg/L		0.005	SW846-8260
Bromoform	UX	0.005	mg/L		0.005	SW846-8260
Bromomethane	UX	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	UX	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	UX	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	UX	0.005	mg/L		0.005	SW846-8260
Chloroethane	UX	0.005	mg/L		0.005	SW846-8260
Chloroform	UX	0.005	mg/L		0.005	SW846-8260
Chloromethane	UX	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	UX	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	UX	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	UX	0.005	mg/L		0.005	SW846-8260
Dibromomethane	UX	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	UX	0.005	mg/L		0.005	SW846-8260
Iodomethane	UX	0.005	mg/L		0.005	SW846-8260
Methylene chloride	UX	0.005	mg/L		0.005	SW846-8260
Styrene	UX	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	UX	0.005	mg/L		0.005	SW846-8260
Toluene	UX	0.005	mg/L		0.005	SW846-8260
Total Xylene	UX	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	UX	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	UX	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	UX	0.005	mg/L		0.005	SW846-8260

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## MW385

### 21104

Trichloroethene	UX	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	UX	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	UX	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	UX	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	BU	25 mg/L	25	EPA-410.4 1978
Cyanide	U	0.05 mg/L	0.05	SW846-9010B
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.01 mg/L	0.01	SW846-9020B

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# Paducah-OREIS Data Report

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**MW386**  
**21104**  
**MW386SG2-07**

Collected: 1/17/2007

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	2	mg/L		2	SW846-9056
Chloride		34	mg/L		2	SW846-9056
Fluoride		0.51	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		31	mg/L		2	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010B
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic		0.00212	mg/L		0.001	SW846-6020
Barium		0.226	mg/L		0.005	SW846-6020
Barium, Dissolved		0.203	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6010B
Cadmium	U	0.0006	mg/L		0.0006	SW846-6020
Calcium		29	mg/L		1	SW846-6010B
Chromium	U	0.01	mg/L		0.01	SW846-6020
Chromium, Dissolved	U	0.01	mg/L		0.01	SW846-6020
Cobalt		0.00918	mg/L		0.001	SW846-6020
Copper	U	0.02	mg/L		0.02	SW846-6020
Iron		8.91	mg/L		0.05	SW846-6010B
Lead	U	0.0013	mg/L		0.0013	SW846-6020
Magnesium		12	mg/L		0.025	SW846-6010B
Manganese	X	1	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470A
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	UX	0.005	mg/L		0.005	SW846-6020
Potassium		0.522	mg/L		0.2	SW846-6010B
Rhodium	BU	0.005	mg/L		0.005	SW846-6020
Selenium	BU	0.005	mg/L		0.005	SW846-6020
Silver	BNU	0.001	mg/L		0.001	SW846-6020
Sodium		123	mg/L		0.5	SW846-6010B
Tantalum	JU	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	BU	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		30.24	Inches/Hg			
<b>PHYSC</b>						
Conductivity		761	umho/cm			
Depth to Water		19.29	ft			
Dissolved Oxygen		1.25	mg/L			
Dissolved Solids		485	mg/L		40	EPA-160.1
pH		6.47	Std Unit			
Redox		-116	mV			
Suspended Solids		14	mg/L		14	EPA-160.2
Temperature		57.1	deg F			
Turbidity		3.6	NTU			

# Paducah-OREIS Data Report

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## MW386

### 21104

#### RADS

Alpha activity	U	3.05	pCi/L	2.03	6.83	SW846-9310
Beta activity	U	2.87	pCi/L	0.659	5.53	SW846-9310
Iodine-131	U	-0.0284	pCi/L	0.0567	14.1	RL-7124
Radium-226	U	0.254	pCi/L	0.358	0.801	RL-7129
Strontium-90	U	0.0706	pCi/L	0.0121	1.41	RL-7140
Technetium-99	U	6.12	pCi/L	11.8	16.7	RL-7100
Thorium-230	U	-0.019	pCi/L	0.0391	0.181	RL-7128
Tritium	U	85.4	pCi/L	117	193	704R8

#### SVOA

1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260

#### VOA

1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JU	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	JU	0.01	mg/L		0.01	SW846-8260
Acrolein	U	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260

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## MW386

### 21104

Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	B	80 mg/L	25	EPA-410.4 1978
Cyanide	U	0.05 mg/L	0.05	SW846-9010B
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	D	27.8 mg/L	4	SW846-9060
Total Organic Halides (TOX)		0.539 mg/L	0.01	SW846-9020B

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# Paducah-OREIS Data Report

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12/18/2007

**MW387**  
**21104**  
**MW387SG2-07**

Collected: 1/18/2007

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	2	mg/L		2	SW846-9056
Chloride		48	mg/L		2	SW846-9056
Fluoride		0.72	mg/L		0.1	9214
Nitrate as Nitrogen		1.5	mg/L		1	SW846-9056
Sulfate		24	mg/L		2	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010B
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic		0.00303	mg/L		0.001	SW846-6020
Barium		0.153	mg/L		0.005	SW846-6020
Barium, Dissolved		0.146	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6010B
Cadmium	U	0.0006	mg/L		0.0006	SW846-6020
Calcium		32.9	mg/L		1	SW846-6010B
Chromium	U	0.01	mg/L		0.01	SW846-6020
Chromium, Dissolved	U	0.01	mg/L		0.01	SW846-6020
Cobalt	U	0.001	mg/L		0.001	SW846-6020
Copper	U	0.02	mg/L		0.02	SW846-6020
Iron		0.117	mg/L		0.05	SW846-6010B
Lead	U	0.0013	mg/L		0.0013	SW846-6020
Magnesium		13.3	mg/L		0.025	SW846-6010B
Manganese	X	0.0926	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470A
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	UX	0.005	mg/L		0.005	SW846-6020
Potassium		1.74	mg/L		0.2	SW846-6010B
Rhodium	BU	0.005	mg/L		0.005	SW846-6020
Selenium	B	0.00526	mg/L		0.005	SW846-6020
Silver	BNU	0.001	mg/L		0.001	SW846-6020
Sodium		50.5	mg/L		0.5	SW846-6010B
Tantalum	JU	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	BU	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.94	Inches/Hg			
<b>PHYSC</b>						
Conductivity		509	umho/cm			
Depth to Water		35.73	ft			
Dissolved Oxygen		3.43	mg/L			
Dissolved Solids		284	mg/L		40	EPA-160.1
pH		6.33	Std Unit			
Redox		355	mV			
Suspended Solids	U	14	mg/L		14	EPA-160.2
Temperature		57.6	deg F			
<b>RADS</b>						



**MW387****21104**

Alpha activity		12.2	pCi/L	3	5.34	SW846-9310
Beta activity		276	pCi/L	12.7	4.75	SW846-9310
Iodine-131	U	-2.76	pCi/L	5.52	16	RL-7124
Radium-226	U	0.186	pCi/L	0.223	0.683	RL-7129
Strontium-90	U	0.94	pCi/L	0.127	1.19	RL-7140
Technetium-99		384	pCi/L	21.4	16.7	RL-7100
Thorium-230	U	-0.0112	pCi/L	0.0394	0.19	RL-7128
Tritium	U	-27.6	pCi/L	112	188	704R8

**SVOA**

1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260

**VOA**

1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JU	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	JU	0.01	mg/L		0.01	SW846-8260
Acrolein	U	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene		0.0025	mg/L		0.001	SW846-8260

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## MW387

### 21104

Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	BU	25 mg/L	25	EPA-410.4 1978
Cyanide	U	0.05 mg/L	0.05	SW846-9010B
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		1.1 mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.0311 mg/L	0.01	SW846-9020B

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**MW388**  
**21104**  
**MW388SG2-07**

Collected: 1/18/2007

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	2	mg/L		2	SW846-9056
Chloride		35	mg/L		2	SW846-9056
Fluoride		0.31	mg/L		0.1	9214
Nitrate as Nitrogen		1.5	mg/L		1	SW846-9056
Sulfate		18	mg/L		2	SW846-9056
<b>METAL</b>						
Aluminum		0.396	mg/L		0.2	SW846-6010B
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic		0.00153	mg/L		0.001	SW846-6020
Barium		0.176	mg/L		0.005	SW846-6020
Barium, Dissolved		0.164	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6010B
Cadmium	U	0.0006	mg/L		0.0006	SW846-6020
Calcium		24.1	mg/L		1	SW846-6010B
Chromium		0.0103	mg/L		0.01	SW846-6020
Chromium, Dissolved	U	0.01	mg/L		0.01	SW846-6020
Cobalt	U	0.001	mg/L		0.001	SW846-6020
Copper	U	0.02	mg/L		0.02	SW846-6020
Iron		1.08	mg/L		0.05	SW846-6010B
Lead	U	0.0013	mg/L		0.0013	SW846-6020
Magnesium		10	mg/L		0.025	SW846-6010B
Manganese	X	0.00748	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470A
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	UX	0.005	mg/L		0.005	SW846-6020
Potassium		1.85	mg/L		0.2	SW846-6010B
Rhodium	BU	0.005	mg/L		0.005	SW846-6020
Selenium	BU	0.005	mg/L		0.005	SW846-6020
Silver	BNU	0.001	mg/L		0.001	SW846-6020
Sodium		41.9	mg/L		0.5	SW846-6010B
Tantalum	JU	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	BU	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.94	Inches/Hg			
<b>PHYSC</b>						
Conductivity		391	umho/cm			
Depth to Water		35.74	ft			
Dissolved Oxygen		5.72	mg/L			
Dissolved Solids		219	mg/L		40	EPA-160.1
pH		6.23	Std Unit			
Redox		276	mV			
Suspended Solids	U	14	mg/L		14	EPA-160.2
Temperature		60	deg F			
Turbidity		40.2	NTU			

## MW388

## 21104

## RADS

Alpha activity	U	4.05	pCi/L	1.3	4.8	SW846-9310
Beta activity		184	pCi/L	10.2	4.62	SW846-9310
Iodine-131	U	7.9	pCi/L	15.8	23.3	RL-7124
Radium-226	U	0.0214	pCi/L	0.0628	0.666	RL-7129
Strontium-90	U	0	pCi/L	0	1.34	RL-7140
Technetium-99		228	pCi/L	18.1	16.7	RL-7100
Thorium-230	U	-0.0073	pCi/L	0.0376	0.18	RL-7128
Tritium	U	12	pCi/L	117	195	704R8

## SVOA

1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260

## VOA

1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JU	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	JU	0.01	mg/L		0.01	SW846-8260
Acrolein	U	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260

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## MW388

### 21104

Trichloroethene		0.0011 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	BU	25 mg/L	25	EPA-410.4 1978
Cyanide	U	0.05 mg/L	0.05	SW846-9010B
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.01 mg/L	0.01	SW846-9020B

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# Paducah-OREIS Data Report

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**MW390**  
**21104**  
**MW390SG2-07**

Collected: 1/18/2007

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	2	mg/L		2	SW846-9056
Chloride		180	mg/L		20	SW846-9056
Fluoride		0.26	mg/L		0.1	9214
Nitrate as Nitrogen		3.3	mg/L		1	SW846-9056
Sulfate		18	mg/L		2	SW846-9056
<b>METAL</b>						
Aluminum		0.556	mg/L		0.2	SW846-6010B
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic		0.00321	mg/L		0.001	SW846-6020
Barium		0.397	mg/L		0.005	SW846-6020
Barium, Dissolved		0.384	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6010B
Cadmium	U	0.0006	mg/L		0.0006	SW846-6020
Calcium		50.6	mg/L		1	SW846-6010B
Chromium	U	0.01	mg/L		0.01	SW846-6020
Chromium, Dissolved	U	0.01	mg/L		0.01	SW846-6020
Cobalt	U	0.001	mg/L		0.001	SW846-6020
Copper	U	0.02	mg/L		0.02	SW846-6020
Iron		0.274	mg/L		0.05	SW846-6010B
Lead	U	0.0013	mg/L		0.0013	SW846-6020
Magnesium		20.4	mg/L		0.025	SW846-6010B
Manganese	UX	0.005	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470A
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	X	0.0267	mg/L		0.005	SW846-6020
Potassium		0.537	mg/L		0.2	SW846-6010B
Rhodium	BU	0.005	mg/L		0.005	SW846-6020
Selenium	B	0.0128	mg/L		0.005	SW846-6020
Silver	BNU	0.001	mg/L		0.001	SW846-6020
Sodium		107	mg/L		0.5	SW846-6010B
Tantalum	JU	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	BU	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.85	Inches/Hg			
<b>PHYSC</b>						
Conductivity		1038	umho/cm			
Depth to Water		32.85	ft			
Dissolved Oxygen		4.12	mg/L			
Dissolved Solids		531	mg/L		40	EPA-160.1
pH		6.3	Std Unit			
Redox		358	mV			
Suspended Solids	U	14	mg/L		14	EPA-160.2
Temperature		54.8	deg F			
Turbidity		11.9	NTU			

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## MW390

### 21104

#### RADS

Alpha activity	U	3.91	pCi/L	1.84	6.76	SW846-9310
Beta activity		65.8	pCi/L	6.28	5.44	SW846-9310
Iodine-131	U	8.2	pCi/L	7.76	11.6	RL-7124
Radium-226	U	0.44	pCi/L	0.318	0.665	RL-7129
Strontium-90	U	0.148	pCi/L	0.0254	1.39	RL-7140
Technetium-99		90.6	pCi/L	14.5	16.7	RL-7100
Thorium-230	U	0.00168	pCi/L	0.0556	0.189	RL-7128
Tritium	U	-57.7	pCi/L	115	193	704R8

#### SVOA

1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260

#### VOA

1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JU	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	JU	0.01	mg/L		0.01	SW846-8260
Acrolein	U	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260

# Paducah-OREIS Data Report

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## MW390

### 21104

Trichloroethene		0.0012 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	BU	25 mg/L	25	EPA-410.4 1978
Cyanide	U	0.05 mg/L	0.05	SW846-9010B
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		2.1 mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.0176 mg/L	0.01	SW846-9020B

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# Paducah-OREIS Data Report

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**MW391**

**21104**

**MW391SG2-07**

Collected: 1/16/2007

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	2	mg/L		2	SW846-9056
Chloride		44	mg/L		2	SW846-9056
Fluoride		0.18	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		15	mg/L		2	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010B
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic	U	0.001	mg/L		0.001	SW846-6020
Barium		0.232	mg/L		0.005	SW846-6020
Barium, Dissolved		0.218	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6010B
Cadmium	U	0.0006	mg/L		0.0006	SW846-6020
Calcium		25.2	mg/L		1	SW846-6010B
Chromium	U	0.01	mg/L		0.01	SW846-6020
Chromium, Dissolved	U	0.01	mg/L		0.01	SW846-6020
Cobalt	U	0.001	mg/L		0.001	SW846-6020
Copper	U	0.02	mg/L		0.02	SW846-6020
Iron		0.239	mg/L		0.05	SW846-6010B
Lead	U	0.0013	mg/L		0.0013	SW846-6020
Magnesium		10.1	mg/L		0.025	SW846-6010B
Manganese	UX	0.005	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470A
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	UX	0.005	mg/L		0.005	SW846-6020
Potassium		1.49	mg/L		0.2	SW846-6010B
Rhodium	BU	0.005	mg/L		0.005	SW846-6020
Selenium	U	0.005	mg/L		0.005	SW846-6020
Silver	BNU	0.001	mg/L		0.001	SW846-6020
Sodium		33.9	mg/L		0.5	SW846-6010B
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	BU	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		30.52	Inches/Hg			
<b>PHYSC</b>						
Conductivity		377	umho/cm			
Depth to Water		39.6	ft			
Dissolved Oxygen		4.33	mg/L			
Dissolved Solids		198	mg/L		40	EPA-160.1
pH		6.12	Std Unit			
Redox		169	mV			
Suspended Solids	U	14	mg/L		14	EPA-160.2
Temperature		55.8	deg F			
Turbidity		11.4	NTU			

# Paducah-OREIS Data Report

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## MW391

### 21104

#### RADS

Alpha activity	U	3	pCi/L	1.66	4.18	SW846-9310
Beta activity	U	3.1	pCi/L	0.775	4.27	SW846-9310
Iodine-131	U	-3.75	pCi/L	7.5	17.2	RL-7124
Radium-226	U	-0.0215	pCi/L	0.023	0.663	RL-7129
Strontium-90	U	-0.126	pCi/L	0.0225	1.48	RL-7140
Technetium-99	U	2.18	pCi/L	11.7	16.8	RL-7100
Thorium-230	U	0.042	pCi/L	0.0598	0.187	RL-7128
Tritium	U	69.9	pCi/L	117	193	704R8

#### SVOA

1,2-Dichlorobenzene	JU	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	JU	0.005	mg/L		0.005	SW846-8260

#### VOA

1,1,1,2-Tetrachloroethane	JU	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	JU	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	JU	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	JU	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	JU	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	JU	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	JU	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JU	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	JU	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	JU	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	JU	0.005	mg/L		0.005	SW846-8260
2-Butanone	JU	0.01	mg/L		0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	JU	0.01	mg/L		0.01	SW846-8260
Acetone	JU	0.01	mg/L		0.01	SW846-8260
Acrolein	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	JU	0.01	mg/L		0.01	SW846-8260
Benzene	JU	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	JU	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	JU	0.005	mg/L		0.005	SW846-8260
Bromoform	JU	0.005	mg/L		0.005	SW846-8260
Bromomethane	JU	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	JU	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	JU	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	JU	0.005	mg/L		0.005	SW846-8260
Chloroethane	JU	0.005	mg/L		0.005	SW846-8260
Chloroform	JU	0.005	mg/L		0.005	SW846-8260
Chloromethane	JU	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	JU	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	JU	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	JU	0.005	mg/L		0.005	SW846-8260
Dibromomethane	JU	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	JU	0.005	mg/L		0.005	SW846-8260
Iodomethane	JU	0.005	mg/L		0.005	SW846-8260
Methylene chloride	JU	0.005	mg/L		0.005	SW846-8260
Styrene	JU	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	JU	0.005	mg/L		0.005	SW846-8260
Toluene	JU	0.005	mg/L		0.005	SW846-8260
Total Xylene	JU	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	JU	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	JU	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	JU	0.005	mg/L		0.005	SW846-8260

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## MW391

### 21104

Trichloroethene	J	0.015 mg/L	0.001	SW846-8260
Trichlorofluoromethane	JU	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	JU	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Cyanide	U	0.05 mg/L	0.05	SW846-9010B
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.014 mg/L	0.01	SW846-9020B

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# Paducah-OREIS Data Report

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**MW392**

**21104**

**MW392SG2-07**

Collected: 1/16/2007

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	2	mg/L		2	SW846-9056
Chloride		47	mg/L		2	SW846-9056
Fluoride		0.14	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		6.9	mg/L		2	SW846-9056
<b>METAL</b>						
Aluminum		0.528	mg/L		0.2	SW846-6010B
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic		0.00288	mg/L		0.001	SW846-6020
Barium		0.303	mg/L		0.005	SW846-6020
Barium, Dissolved		0.215	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6010B
Cadmium	U	0.0006	mg/L		0.0006	SW846-6020
Calcium		25.1	mg/L		1	SW846-6010B
Chromium	U	0.01	mg/L		0.01	SW846-6020
Chromium, Dissolved	U	0.01	mg/L		0.01	SW846-6020
Cobalt	U	0.001	mg/L		0.001	SW846-6020
Copper	U	0.02	mg/L		0.02	SW846-6020
Iron		3.35	mg/L		0.05	SW846-6010B
Lead	U	0.0013	mg/L		0.0013	SW846-6020
Magnesium		9.42	mg/L		0.025	SW846-6010B
Manganese	X	0.563	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470A
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	UX	0.005	mg/L		0.005	SW846-6020
Potassium		1.8	mg/L		0.2	SW846-6010B
Rhodium	BU	0.005	mg/L		0.005	SW846-6020
Selenium	U	0.005	mg/L		0.005	SW846-6020
Silver	BNU	0.001	mg/L		0.001	SW846-6020
Sodium		43.2	mg/L		0.5	SW846-6010B
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	BU	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		30.52	Inches/Hg			
<b>PHYSC</b>						
Conductivity		408	umho/cm			
Depth to Water		38.7	ft			
Dissolved Oxygen		1.16	mg/L			
Dissolved Solids		214	mg/L		40	EPA-160.1
pH		6.19	Std Unit			
Redox		-60	mV			
Suspended Solids	U	14	mg/L		14	EPA-160.2
Temperature		54.3	deg F			
Turbidity		71	NTU			

**MW392****21104****RADS**

Alpha activity	U	3.78	pCi/L	1.95	4.49	SW846-9310
Beta activity		5.25	pCi/L	1.2	4.38	SW846-9310
Iodine-131	U	1.85	pCi/L	3.7	15.1	RL-7124
Radium-226	U	0.00787	pCi/L	0.0357	0.69	RL-7129
Strontium-90	U	-0.545	pCi/L	0.107	1.34	RL-7140
Technetium-99	U	0.319	pCi/L	12.2	16.8	RL-7100
Thorium-230	U	0.0153	pCi/L	0.0578	0.189	RL-7128
Tritium	U	30.4	pCi/L	117	195	704R8

**SVOA**

1,2-Dichlorobenzene	JU	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	JU	0.005	mg/L		0.005	SW846-8260

**VOA**

1,1,1,2-Tetrachloroethane	JU	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	JU	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	JU	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	JU	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	JU	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	JU	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	JU	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JU	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	JU	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	JU	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	JU	0.005	mg/L		0.005	SW846-8260
2-Butanone	JU	0.01	mg/L		0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	JU	0.01	mg/L		0.01	SW846-8260
Acetone	JU	0.01	mg/L		0.01	SW846-8260
Acrolein	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	JU	0.01	mg/L		0.01	SW846-8260
Benzene	JU	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	JU	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	JU	0.005	mg/L		0.005	SW846-8260
Bromoform	JU	0.005	mg/L		0.005	SW846-8260
Bromomethane	JU	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	JU	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	JU	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	JU	0.005	mg/L		0.005	SW846-8260
Chloroethane	JU	0.005	mg/L		0.005	SW846-8260
Chloroform	JU	0.005	mg/L		0.005	SW846-8260
Chloromethane	JU	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	JU	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	JU	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	JU	0.005	mg/L		0.005	SW846-8260
Dibromomethane	JU	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	JU	0.005	mg/L		0.005	SW846-8260
Iodomethane	JU	0.005	mg/L		0.005	SW846-8260
Methylene chloride	JU	0.005	mg/L		0.005	SW846-8260
Styrene	JU	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	JU	0.005	mg/L		0.005	SW846-8260
Toluene	JU	0.005	mg/L		0.005	SW846-8260
Total Xylene	JU	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	JU	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	JU	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	JU	0.005	mg/L		0.005	SW846-8260

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## MW392

### 21104

Trichloroethene	J	0.013 mg/L	0.001	SW846-8260
Trichlorofluoromethane	JU	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	JU	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Cyanide	U	0.05 mg/L	0.05	SW846-9010B
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		2.3 mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.0475 mg/L	0.01	SW846-9020B

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# Paducah-OREIS Data Report

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**MW393**  
**21104**  
**MW393SG2-07**

Collected: 1/16/2007

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	2	mg/L		2	SW846-9056
Chloride		20	mg/L		2	SW846-9056
Fluoride		0.24	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		4.5	mg/L		2	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010B
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic		0.00308	mg/L		0.001	SW846-6020
Barium		0.107	mg/L		0.005	SW846-6020
Barium, Dissolved		0.0963	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6010B
Cadmium	U	0.0006	mg/L		0.0006	SW846-6020
Calcium		11.2	mg/L		1	SW846-6010B
Chromium	U	0.01	mg/L		0.01	SW846-6020
Chromium, Dissolved	U	0.01	mg/L		0.01	SW846-6020
Cobalt	U	0.001	mg/L		0.001	SW846-6020
Copper	U	0.02	mg/L		0.02	SW846-6020
Iron		4.79	mg/L		0.05	SW846-6010B
Lead	U	0.0013	mg/L		0.0013	SW846-6020
Magnesium		3.55	mg/L		0.025	SW846-6010B
Manganese	X	0.0382	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470A
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	UX	0.005	mg/L		0.005	SW846-6020
Potassium		0.414	mg/L		0.2	SW846-6010B
Rhodium	BU	0.005	mg/L		0.005	SW846-6020
Selenium	U	0.005	mg/L		0.005	SW846-6020
Silver	BNU	0.001	mg/L		0.001	SW846-6020
Sodium		80.7	mg/L		0.5	SW846-6010B
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	BU	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		30.52	Inches/Hg			
<b>PHYSC</b>						
Conductivity		428	umho/cm			
Depth to Water		25.24	ft			
Dissolved Oxygen		1.4	mg/L			
Dissolved Solids		260	mg/L		40	EPA-160.1
pH		6.18	Std Unit			
Redox		-120	mV			
Suspended Solids	U	14	mg/L		14	EPA-160.2
Temperature		53.5	deg F			
Turbidity		4.5	NTU			

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## MW393

### 21104

#### RADS

Alpha activity	U	1.06	pCi/L	0.799	4.97	SW846-9310
Beta activity	U	1.31	pCi/L	0.364	4.55	SW846-9310
Iodine-131	U	3.49	pCi/L	6.98	20.7	RL-7124
Radium-226	U	-0.0746	pCi/L	0.0647	0.686	RL-7129
Strontium-90	U	-0.0628	pCi/L	0.0111	1.51	RL-7140
Technetium-99	U	-3.4	pCi/L	11.4	16.8	RL-7100
Thorium-230	U	0.0144	pCi/L	0.0504	0.18	RL-7128
Tritium	U	65.4	pCi/L	118	195	704R8

#### SVOA

1,2-Dichlorobenzene	JU	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	JU	0.005	mg/L		0.005	SW846-8260

#### VOA

1,1,1,2-Tetrachloroethane	JU	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	JU	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	JU	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	JU	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	JU	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	JU	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	JU	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JU	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	JU	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	JU	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	JU	0.005	mg/L		0.005	SW846-8260
2-Butanone	JU	0.01	mg/L		0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	JU	0.01	mg/L		0.01	SW846-8260
Acetone	JU	0.01	mg/L		0.01	SW846-8260
Acrolein	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	JU	0.01	mg/L		0.01	SW846-8260
Benzene	JU	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	JU	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	JU	0.005	mg/L		0.005	SW846-8260
Bromoform	JU	0.005	mg/L		0.005	SW846-8260
Bromomethane	JU	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	JU	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	JU	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	JU	0.005	mg/L		0.005	SW846-8260
Chloroethane	JU	0.005	mg/L		0.005	SW846-8260
Chloroform	JU	0.005	mg/L		0.005	SW846-8260
Chloromethane	JU	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	JU	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	JU	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	JU	0.005	mg/L		0.005	SW846-8260
Dibromomethane	JU	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	JU	0.005	mg/L		0.005	SW846-8260
Iodomethane	JU	0.005	mg/L		0.005	SW846-8260
Methylene chloride	JU	0.005	mg/L		0.005	SW846-8260
Styrene	JU	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	JU	0.005	mg/L		0.005	SW846-8260
Toluene	JU	0.005	mg/L		0.005	SW846-8260
Total Xylene	JU	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	JU	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	JU	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	JU	0.005	mg/L		0.005	SW846-8260



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## MW393

### 21104

Trichloroethene	JU	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	JU	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	JU	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Cyanide	U	0.05 mg/L	0.05	SW846-9010B
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		4.6 mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.0601 mg/L	0.01	SW846-9020B

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# Paducah-OREIS Data Report

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**MW394**

**21104**

**MW394SG2-07**

Collected: 1/17/2007

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	2	mg/L		2	SW846-9056
Chloride		57	mg/L		4	SW846-9056
Fluoride		0.17	mg/L		0.1	9214
Nitrate as Nitrogen		1.6	mg/L		1	SW846-9056
Sulfate		9.5	mg/L		2	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010B
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic		0.00154	mg/L		0.001	SW846-6020
Barium		0.254	mg/L		0.005	SW846-6020
Barium, Dissolved		0.237	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6010B
Cadmium	U	0.0006	mg/L		0.0006	SW846-6020
Calcium		29.6	mg/L		1	SW846-6010B
Chromium	U	0.01	mg/L		0.01	SW846-6020
Chromium, Dissolved	U	0.01	mg/L		0.01	SW846-6020
Cobalt	U	0.001	mg/L		0.001	SW846-6020
Copper	U	0.02	mg/L		0.02	SW846-6020
Iron		0.405	mg/L		0.05	SW846-6010B
Lead	U	0.0013	mg/L		0.0013	SW846-6020
Magnesium		12	mg/L		0.025	SW846-6010B
Manganese	X	0.00678	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470A
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	UX	0.005	mg/L		0.005	SW846-6020
Potassium		1.29	mg/L		0.2	SW846-6010B
Rhodium	BU	0.005	mg/L		0.005	SW846-6020
Selenium	B	0.00674	mg/L		0.005	SW846-6020
Silver	BNU	0.001	mg/L		0.001	SW846-6020
Sodium		32	mg/L		0.5	SW846-6010B
Tantalum	JU	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	BU	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		30.67	Inches/Hg			
<b>PHYSC</b>						
Conductivity		413	umho/cm			
Depth to Water		51.45	ft			
Dissolved Oxygen		3.75	mg/L			
Dissolved Solids		222	mg/L		40	EPA-160.1
pH		6.4	Std Unit			
Redox		229	mV			
Suspended Solids	U	14	mg/L		14	EPA-160.2
Temperature		55.6	deg F			
Turbidity		18.2	NTU			

**MW394****21104****RADS**

Alpha activity	U	1.19	pCi/L	0.841	4.03	SW846-9310
Beta activity		6.14	pCi/L	1.21	4.45	SW846-9310
Iodine-131	U	0.816	pCi/L	1.63	17.7	RL-7124
Radium-226	U	0.105	pCi/L	0.23	0.67	RL-7129
Strontium-90	U	-0.202	pCi/L	0.0367	1.4	RL-7140
Technetium-99	U	7.92	pCi/L	12	16.8	RL-7100
Thorium-230	U	-0.0011	pCi/L	0.0393	0.18	RL-7128
Tritium	U	95.7	pCi/L	119	196	704R8

**SVOA**

1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260

**VOA**

1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JU	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	JU	0.01	mg/L		0.01	SW846-8260
Acrolein	UX	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	UX	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260

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## MW394

## 21104

Trichloroethene		0.011 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	BU	25 mg/L	25	EPA-410.4 1978
Cyanide	U	0.05 mg/L	0.05	SW846-9010B
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.0152 mg/L	0.01	SW846-9020B

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# Paducah-OREIS Data Report

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**MW395**

**21104**

**MW395SG2-07**

Collected: 1/17/2007

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	2	mg/L		2	SW846-9056
Chloride		57	mg/L		5	SW846-9056
Fluoride		0.15	mg/L		0.1	9214
Nitrate as Nitrogen		2	mg/L		1	SW846-9056
Sulfate		9.1	mg/L		2	SW846-9056
<b>METAL</b>						
Aluminum		0.517	mg/L		0.2	SW846-6010B
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic		0.00136	mg/L		0.001	SW846-6020
Barium		0.266	mg/L		0.005	SW846-6020
Barium, Dissolved		0.247	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6010B
Cadmium	U	0.0006	mg/L		0.0006	SW846-6020
Calcium		30.2	mg/L		1	SW846-6010B
Chromium	U	0.01	mg/L		0.01	SW846-6020
Chromium, Dissolved	U	0.01	mg/L		0.01	SW846-6020
Cobalt	U	0.001	mg/L		0.001	SW846-6020
Copper	U	0.02	mg/L		0.02	SW846-6020
Iron		1.01	mg/L		0.05	SW846-6010B
Lead	U	0.0013	mg/L		0.0013	SW846-6020
Magnesium		12.3	mg/L		0.025	SW846-6010B
Manganese	X	0.00946	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470A
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	UX	0.005	mg/L		0.005	SW846-6020
Potassium		1.61	mg/L		0.2	SW846-6010B
Rhodium	BU	0.005	mg/L		0.005	SW846-6020
Selenium	B	0.00594	mg/L		0.005	SW846-6020
Silver	BNU	0.001	mg/L		0.001	SW846-6020
Sodium		26.4	mg/L		0.5	SW846-6010B
Tantalum	JU	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	BU	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		30.67	Inches/Hg			
<b>PHYSC</b>						
Conductivity		399	umho/cm			
Depth to Water		52.08	ft			
Dissolved Oxygen		3	mg/L			
Dissolved Solids		212	mg/L		40	EPA-160.1
pH		6.2	Std Unit			
Redox		233	mV			
Suspended Solids	U	14	mg/L		14	EPA-160.2
Temperature		55.6	deg F			
Turbidity		30.5	NTU			

**MW395****21104****RADS**

Alpha activity	U	1.34	pCi/L	0.895	3.87	SW846-9310
Beta activity		9.18	pCi/L	1.64	4.42	SW846-9310
Iodine-131	U	0.93	pCi/L	1.86	16	RL-7124
Radium-226	U	0.185	pCi/L	0.264	0.692	RL-7129
Strontium-90	U	0.0357	pCi/L	0.0062	1.37	RL-7140
Technetium-99	U	15.9	pCi/L	12.2	16.7	RL-7100
Thorium-230	U	0.0264	pCi/L	0.0514	0.179	RL-7128
Tritium	U	-65.6	pCi/L	116	195	704R8

**SVOA**

1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260

**VOA**

1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JU	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	JU	0.01	mg/L		0.01	SW846-8260
Acrolein	U	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260

# Paducah-OREIS Data Report

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## MW395

### 21104

Trichloroethene		0.0067	mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01	mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002	mg/L	0.002	SW846-8260
<b>WETCHEM</b>					
Chemical Oxygen Demand (COD)	BU	25	mg/L	25	EPA-410.4 1978
Cyanide	U	0.05	mg/L	0.05	SW846-9010B
Iodide	U	2	mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1	mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.0124	mg/L	0.01	SW846-9020B

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# Paducah-OREIS Data Report

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**MW396**

**21104**

**MW396SG2-07**

Collected: 1/16/2007

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	2	mg/L		2	SW846-9056
Chloride		98	mg/L		10	SW846-9056
Fluoride		0.53	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		17	mg/L		2	SW846-9056
<b>METAL</b>						
Aluminum		0.204	mg/L		0.2	SW846-6010B
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic		0.00227	mg/L		0.001	SW846-6020
Barium		0.391	mg/L		0.005	SW846-6020
Barium, Dissolved		0.371	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6010B
Cadmium	U	0.0006	mg/L		0.0006	SW846-6020
Calcium		38.2	mg/L		1	SW846-6010B
Chromium	U	0.01	mg/L		0.01	SW846-6020
Chromium, Dissolved	U	0.01	mg/L		0.01	SW846-6020
Cobalt		0.00134	mg/L		0.001	SW846-6020
Copper	U	0.02	mg/L		0.02	SW846-6020
Iron		0.681	mg/L		0.05	SW846-6010B
Lead	U	0.0013	mg/L		0.0013	SW846-6020
Magnesium		16.8	mg/L		0.025	SW846-6010B
Manganese	X	0.414	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470A
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	UX	0.005	mg/L		0.005	SW846-6020
Potassium		1.12	mg/L		0.2	SW846-6010B
Rhodium	BU	0.005	mg/L		0.005	SW846-6020
Selenium		0.01	mg/L		0.005	SW846-6020
Silver	BNU	0.001	mg/L		0.001	SW846-6020
Sodium		123	mg/L		0.5	SW846-6010B
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	BU	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		30.03	Inches/Hg			
<b>PHYSC</b>						
Conductivity		901	umho/cm			
Depth to Water		4.73	ft			
Dissolved Oxygen		1.2	mg/L			
Dissolved Solids		494	mg/L		40	EPA-160.1
pH		6.5	Std Unit			
Redox		134	mV			
Suspended Solids	U	14	mg/L		14	EPA-160.2
Temperature		51.3	deg F			
Turbidity		21.3	NTU			



**MW396****21104****RADS**

Alpha activity	U	3.09	pCi/L	1.86	5.94	SW846-9310
Beta activity	U	4.14	pCi/L	1.02	5.18	SW846-9310
Iodine-131	U	3.91	pCi/L	7.82	17.9	RL-7124
Radium-226	U	0.183	pCi/L	0.295	0.705	RL-7129
Strontium-90	U	-0.55	pCi/L	0.108	1.46	RL-7140
Technetium-99	U	6.28	pCi/L	11.8	16.7	RL-7100
Thorium-230	U	0.0217	pCi/L	0.0588	0.185	RL-7128
Tritium	U	58.5	pCi/L	119	197	704R8

**SVOA**

1,2-Dichlorobenzene	JU	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	JU	0.005	mg/L		0.005	SW846-8260

**VOA**

1,1,1,2-Tetrachloroethane	JU	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	JU	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	JU	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	JU	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	JU	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	JU	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	JU	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JU	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	JU	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	JU	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	JU	0.005	mg/L		0.005	SW846-8260
2-Butanone	JU	0.01	mg/L		0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	JU	0.01	mg/L		0.01	SW846-8260
Acetone	JU	0.01	mg/L		0.01	SW846-8260
Acrolein	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	JU	0.01	mg/L		0.01	SW846-8260
Benzene	JU	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	JU	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	JU	0.005	mg/L		0.005	SW846-8260
Bromoform	JU	0.005	mg/L		0.005	SW846-8260
Bromomethane	JU	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	JU	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	JU	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	JU	0.005	mg/L		0.005	SW846-8260
Chloroethane	JU	0.005	mg/L		0.005	SW846-8260
Chloroform	JU	0.005	mg/L		0.005	SW846-8260
Chloromethane	JU	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	JU	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	JU	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	JU	0.005	mg/L		0.005	SW846-8260
Dibromomethane	JU	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	JU	0.005	mg/L		0.005	SW846-8260
Iodomethane	JU	0.005	mg/L		0.005	SW846-8260
Methylene chloride	JU	0.005	mg/L		0.005	SW846-8260
Styrene	JU	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	JU	0.005	mg/L		0.005	SW846-8260
Toluene	JU	0.005	mg/L		0.005	SW846-8260
Total Xylene	JU	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	JU	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	JU	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	JU	0.005	mg/L		0.005	SW846-8260

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## MW396

### 21104

Trichloroethene	JU	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	JU	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	JU	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Cyanide	U	0.05 mg/L	0.05	SW846-9010B
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		7.6 mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.116 mg/L	0.01	SW846-9020B

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# Paducah-OREIS Data Report

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**MW396**  
**21104**  
**MW396DSG2-07**

Collected: 1/16/2007

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	2	mg/L		2	SW846-9056
Chloride		100	mg/L		10	SW846-9056
Fluoride		0.54	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		17	mg/L		2	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010B
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic		0.00241	mg/L		0.001	SW846-6020
Barium		0.383	mg/L		0.005	SW846-6020
Barium, Dissolved		0.369	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6010B
Cadmium	U	0.0006	mg/L		0.0006	SW846-6020
Calcium		40.9	mg/L		1	SW846-6010B
Chromium	U	0.01	mg/L		0.01	SW846-6020
Chromium, Dissolved	U	0.01	mg/L		0.01	SW846-6020
Cobalt		0.00206	mg/L		0.001	SW846-6020
Copper	U	0.02	mg/L		0.02	SW846-6020
Iron		1.85	mg/L		0.05	SW846-6010B
Lead	U	0.0013	mg/L		0.0013	SW846-6020
Magnesium		17.5	mg/L		0.025	SW846-6010B
Manganese	X	0.563	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470A
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	UX	0.005	mg/L		0.005	SW846-6020
Potassium		1.13	mg/L		0.2	SW846-6010B
Rhodium	BU	0.005	mg/L		0.005	SW846-6020
Selenium		0.00972	mg/L		0.005	SW846-6020
Silver	BNU	0.001	mg/L		0.001	SW846-6020
Sodium		130	mg/L		0.5	SW846-6010B
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	BU	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		30.03	Inches/Hg			
<b>PHYSC</b>						
Conductivity		901	umho/cm			
Depth to Water		4.73	ft			
Dissolved Oxygen		1.2	mg/L			
Dissolved Solids		511	mg/L		40	EPA-160.1
pH		6.5	Std Unit			
Redox		134	mV			
Suspended Solids	U	14	mg/L		14	EPA-160.2
Temperature		51.3	deg F			
Turbidity		21.3	NTU			

# Paducah-OREIS Data Report

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## MW396

### 21104

#### RADS

Alpha activity	U	3.36	pCi/L	2.03	6.02	SW846-9310
Beta activity	U	2.68	pCi/L	0.704	5.29	SW846-9310
Iodine-131	U	2.64	pCi/L	5.28	15.1	RL-7124
Radium-226	U	0.0993	pCi/L	0.219	0.683	RL-7129
Strontium-90	U	-0.0381	pCi/L	0.0067	1.44	RL-7140
Technetium-99	U	2.55	pCi/L	11.7	16.7	RL-7100
Thorium-230	U	-0.0241	pCi/L	0.0289	0.189	RL-7128
Tritium	U	69	pCi/L	119	196	704R8

#### SVOA

1,2-Dichlorobenzene	JU	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	JU	0.005	mg/L		0.005	SW846-8260

#### VOA

1,1,1,2-Tetrachloroethane	JU	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	JU	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	JU	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	JU	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	JU	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	JU	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	JU	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JU	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	JU	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	JU	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	JU	0.005	mg/L		0.005	SW846-8260
2-Butanone	JU	0.01	mg/L		0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	JU	0.01	mg/L		0.01	SW846-8260
Acetone	JU	0.01	mg/L		0.01	SW846-8260
Acrolein	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	JU	0.01	mg/L		0.01	SW846-8260
Benzene	JU	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	JU	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	JU	0.005	mg/L		0.005	SW846-8260
Bromoform	JU	0.005	mg/L		0.005	SW846-8260
Bromomethane	JU	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	JU	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	JU	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	JU	0.005	mg/L		0.005	SW846-8260
Chloroethane	JU	0.005	mg/L		0.005	SW846-8260
Chloroform	JU	0.005	mg/L		0.005	SW846-8260
Chloromethane	JU	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	JU	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	JU	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	JU	0.005	mg/L		0.005	SW846-8260
Dibromomethane	JU	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	JU	0.005	mg/L		0.005	SW846-8260
Iodomethane	JU	0.005	mg/L		0.005	SW846-8260
Methylene chloride	JU	0.005	mg/L		0.005	SW846-8260
Styrene	JU	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	JU	0.005	mg/L		0.005	SW846-8260
Toluene	JU	0.005	mg/L		0.005	SW846-8260
Total Xylene	JU	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	JU	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	JU	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	JU	0.005	mg/L		0.005	SW846-8260

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## MW396

## 21104

Trichloroethene	JU	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	JU	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	JU	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Cyanide	U	0.05 mg/L	0.05	SW846-9010B
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		7.1 mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.0908 mg/L	0.01	SW846-9020B

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# Paducah-OREIS Data Report

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**MW397**  
**21104**  
**MW397SG2-07**

Collected: 1/17/2007

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	2	mg/L		2	SW846-9056
Chloride		48	mg/L		2	SW846-9056
Fluoride		0.15	mg/L		0.1	9214
Nitrate as Nitrogen		5.8	mg/L		1	SW846-9056
Sulfate		12	mg/L		2	SW846-9056
<b>METAL</b>						
Aluminum		1.14	mg/L		0.2	SW846-6010B
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic		0.00116	mg/L		0.001	SW846-6020
Barium		0.173	mg/L		0.005	SW846-6020
Barium, Dissolved		0.156	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6010B
Cadmium	U	0.0006	mg/L		0.0006	SW846-6020
Calcium		20.8	mg/L		1	SW846-6010B
Chromium	U	0.01	mg/L		0.01	SW846-6020
Chromium, Dissolved	U	0.01	mg/L		0.01	SW846-6020
Cobalt	U	0.001	mg/L		0.001	SW846-6020
Copper	U	0.02	mg/L		0.02	SW846-6020
Iron		1.28	mg/L		0.05	SW846-6010B
Lead	U	0.0013	mg/L		0.0013	SW846-6020
Magnesium		8.55	mg/L		0.025	SW846-6010B
Manganese	X	0.0223	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470A
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	UX	0.005	mg/L		0.005	SW846-6020
Potassium		1.94	mg/L		0.2	SW846-6010B
Rhodium	BU	0.005	mg/L		0.005	SW846-6020
Selenium	B	0.00529	mg/L		0.005	SW846-6020
Silver	BNU	0.001	mg/L		0.001	SW846-6020
Sodium		35.2	mg/L		0.5	SW846-6010B
Tantalum	JU	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	BU	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		30.67	Inches/Hg			
<b>PHYSC</b>						
Conductivity		363	umho/cm			
Depth to Water		60.06	ft			
Dissolved Oxygen		5.51	mg/L			
Dissolved Solids		201	mg/L		40	EPA-160.1
pH		6.3	Std Unit			
Redox		252	mV			
Suspended Solids	U	14	mg/L		14	EPA-160.2
Temperature		54.4	deg F			
Turbidity		28.4	NTU			

**MW397****21104****RADS**

Alpha activity	U	1.28	pCi/L	0.852	4.03	SW846-9310
Beta activity		11.4	pCi/L	1.92	4.45	SW846-9310
Iodine-131	U	1.93	pCi/L	3.85	18.5	RL-7124
Radium-226	U	0.0816	pCi/L	0.183	0.687	RL-7129
Strontium-90	U	-0.125	pCi/L	0.0223	1.38	RL-7140
Technetium-99		17	pCi/L	12.2	16.7	RL-7100
Thorium-230	U	-0.0079	pCi/L	0.0499	0.181	RL-7128
Tritium	U	-41.4	pCi/L	116	196	704R8

**SVOA**

1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260

**VOA**

1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JU	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	JU	0.01	mg/L		0.01	SW846-8260
Acrolein	U	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260

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## MW397

### 21104

Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	BU	25 mg/L	25	EPA-410.4 1978
Cyanide	U	0.05 mg/L	0.05	SW846-9010B
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.01 mg/L	0.01	SW846-9020B

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# Paducah-OREIS Data Report

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**MW339**

**21137**

**MW339A1-07**

Collected: 1/18/2007

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		73	mg/L		10	SW846-9056
Fluoride		0.13	mg/L		0.1	9214
Nitrate as Nitrogen		5.3	mg/L		1	SW846-9056
Sulfate		18	mg/L		2	SW846-9056
<b>METAL</b>						
Aluminum		1.36	mg/L		0.2	SW846-6010B
Aluminum, Dissolved	U	0.2	mg/L		0.2	SW846-6010B
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Antimony, Dissolved	BU	0.005	mg/L		0.005	SW846-6020
Arsenic		0.00337	mg/L		0.001	SW846-6020
Arsenic, Dissolved		0.00149	mg/L		0.001	SW846-6020
Barium		0.148	mg/L		0.005	SW846-6020
Barium, Dissolved		0.143	mg/L		0.005	SW846-6020
Beryllium	UX	0.001	mg/L		0.001	SW846-6020
Beryllium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Cadmium	U	0.0006	mg/L		0.0006	SW846-6020
Cadmium, Dissolved	U	0.0006	mg/L		0.0006	SW846-6020
Calcium		36	mg/L		1	SW846-6010B
Calcium, Dissolved		35.2	mg/L		1	SW846-6010B
Chromium	X	0.0396	mg/L		0.02	SW846-6020
Chromium, Dissolved	U	0.01	mg/L		0.01	SW846-6020
Cobalt	UX	0.001	mg/L		0.001	SW846-6020
Cobalt, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Copper	UX	0.02	mg/L		0.02	SW846-6020
Copper, Dissolved	U	0.02	mg/L		0.02	SW846-6020
Iron		2.57	mg/L		0.05	SW846-6010B
Iron (2+)		0.75	mg/L			
Iron, Dissolved	U	0.05	mg/L		0.05	SW846-6010B
Lead	U	0.0013	mg/L		0.0013	SW846-6020
Lead, Dissolved	U	0.0013	mg/L		0.0013	SW846-6020
Magnesium		14.3	mg/L		0.025	SW846-6010B
Magnesium, Dissolved		14	mg/L		0.025	SW846-6010B
Manganese	X	0.0523	mg/L		0.005	SW846-6020
Manganese, Dissolved		0.00917	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470A
Molybdenum		0.00374	mg/L		0.001	SW846-6020
Molybdenum, Dissolved	BU	0.001	mg/L		0.001	SW846-6020
Nickel	X	0.0224	mg/L		0.005	SW846-6020
Nickel, Dissolved	NX	0.0257	mg/L		0.005	SW846-6020
Potassium		2.04	mg/L		0.2	SW846-6010B
Potassium, Dissolved		1.85	mg/L		0.2	SW846-6010B
Selenium		0.00964	mg/L		0.005	SW846-6020
Selenium, Dissolved	U	0.005	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Silver, Dissolved	BNU	0.001	mg/L		0.001	SW846-6020
Sodium		42.9	mg/L		0.5	SW846-6010B
Sodium, Dissolved		42	mg/L		0.5	SW846-6010B
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	BU	0.001	mg/L		0.001	SW846-6020

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Zinc	UX	0.02	mg/L	0.02	SW846-6020
Zinc, Dissolved	U	0.02	mg/L	0.02	SW846-6020
<b>METEO</b>					
Barometric Pressure Reading		29.85	Inches/Hg		
<b>PHYSC</b>					
Conductivity		529	umho/cm		
Depth to Water		46.43	ft		
Dissolved Oxygen		1.8	mg/L		
Dissolved Solids		284	mg/L	40	EPA-160.1
pH		6	Std Unit		
Redox		376	mV		
Temperature		56	deg F		
Turbidity		33.4	NTU		
<b>PCCB</b>					
PCB, Total	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1016	U	0.00016	mg/L	0.0002	SW846-8082
PCB-1221	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1232	U	0.00013	mg/L	0.0001	SW846-8082
PCB-1242	U	0.0001	mg/L	0.0001	SW846-8082
PCB-1248	U	0.00011	mg/L	0.0001	SW846-8082
PCB-1254	U	0.00007	mg/L	7E-05	SW846-8082
PCB-1260	U	0.00005	mg/L	5E-05	SW846-8082
PCB-1268	U	0.00009	mg/L	9E-05	SW846-8082
<b>PCCB-D</b>					
PCB, Total	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1016	U	0.00016	mg/L	0.0002	SW846-8082
PCB-1221	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1232	U	0.00014	mg/L	0.0001	SW846-8082
PCB-1242	U	0.0001	mg/L	0.0001	SW846-8082
PCB-1248	U	0.00012	mg/L	0.0001	SW846-8082
PCB-1254	U	0.00007	mg/L	7E-05	SW846-8082
PCB-1260	U	0.00005	mg/L	5E-05	SW846-8082
PCB-1268	U	0.00009	mg/L	9E-05	SW846-8082
<b>VOA</b>					
Ethane	U	0.01	mg/L	0.01	XP4-TS-OA7024
Ethylene	U	0.01	mg/L	0.01	XP4-TS-OA7024
Methane	U	0.01	mg/L	0.01	XP4-TS-OA7024
<b>WETCHEM</b>					
Alkalinity		26	mg/L		
Phosphate as Phosphorous	BNU	1	mg/L	1	SW846-9056
Silica		17	mg/L	4	EPA-370.1
Total Organic Carbon (TOC)	U	1	mg/L	1	SW846-9060

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**MW369**  
**21177**  
**MW369UG3-07**

Collected: 4/3/2007

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	2	mg/L		2	SW846-9056
Chloride		42	mg/L		2	SW846-9056
Fluoride		0.21	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		10	mg/L		2	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010B
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic	X	0.00621	mg/L		0.001	SW846-6020
Barium		0.42	mg/L		0.005	SW846-6020
Barium, Dissolved		0.42	mg/L		0.005	SW846-6020
Beryllium	JU	0.001	mg/L		0.001	SW846-6020
Boron	BNUX	0.2	mg/L		0.2	SW846-6010B
Cadmium	U	0.0006	mg/L		0.0006	SW846-6020
Calcium		19.8	mg/L		1	SW846-6010B
Chromium	U	0.01	mg/L		0.01	SW846-6020
Chromium, Dissolved	U	0.1	mg/L		0.1	SW846-6020
Cobalt		0.0584	mg/L		0.001	SW846-6020
Copper	UX	0.02	mg/L		0.02	SW846-6020
Iron		5.91	mg/L		0.05	SW846-6010B
Lead	U	0.0013	mg/L		0.0013	SW846-6020
Magnesium		8.39	mg/L		0.025	SW846-6010B
Manganese	X	0.515	mg/L		0.005	SW846-6020
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470A
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel		0.0168	mg/L		0.005	SW846-6020
Potassium		0.673	mg/L		0.2	SW846-6010B
Rhodium	U	0.005	mg/L		0.005	SW846-6020
Selenium	U	0.005	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		51.3	mg/L		0.5	SW846-6010B
Tantalum	JU	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc		0.0239	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.94	Inches/Hg			
<b>PHYSC</b>						
Conductivity		422	umho/cm			
Depth to Water		35.42	ft			
Dissolved Oxygen		1.01	mg/L			
Dissolved Solids		232	mg/L		40	EPA-160.1
pH		6.26	Std Unit			
Redox		55	mV			
Suspended Solids	U	14	mg/L		14	EPA-160.2
Temperature		62.8	deg F			
Turbidity		10.9	NTU			

## MW369

## 21177

## PPCB

PCB, Total	U	0.00018	mg/L	0.0002	SW846-8082
PCB-1016	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1221	U	0.00018	mg/L	0.0002	SW846-8082
PCB-1232	U	0.00014	mg/L	0.0001	SW846-8082
PCB-1242	U	0.0001	mg/L	0.0001	SW846-8082
PCB-1248	U	0.00012	mg/L	0.0001	SW846-8082
PCB-1254	U	0.00007	mg/L	7E-05	SW846-8082
PCB-1260	U	0.00005	mg/L	5E-05	SW846-8082
PCB-1268	U	0.00009	mg/L	9E-05	SW846-8082

## RADS

Alpha activity	U	0.826	pCi/L	0.625	5.51	SW846-9310
Beta activity		5.98	pCi/L	1.18	4.95	SW846-9310
Iodine-131	U	5.39	pCi/L	10.8	19.3	RL-7124
Radium-226	U	0.131	pCi/L	0.282	0.707	RL-7129
Strontium-90	U	-0.112	pCi/L	0.0217	1.1	RL-7140
Technetium-99	U	5.84	pCi/L	11.7	16.6	RL-7100
Thorium-230	U	0.0679	pCi/L	0.0637	0.299	RL-7128
Tritium	U	-67.4	pCi/L	137	231	704R8

## SVOA

1,2-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260

## VOA

1,1,1,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.0002	mg/L	0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	0.005	SW846-8260
2-Butanone	U	0.01	mg/L	0.01	SW846-8260
2-Hexanone	U	0.01	mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L	0.01	SW846-8260
Acetone	U	0.01	mg/L	0.01	SW846-8260
Acrolein	JU	0.01	mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L	0.01	SW846-8260
Benzene	UY	0.005	mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromoform	U	0.005	mg/L	0.005	SW846-8260
Bromomethane	JU	0.005	mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L	0.005	SW846-8260
Chloroethane	U	0.005	mg/L	0.005	SW846-8260
Chloroform	U	0.005	mg/L	0.005	SW846-8260
Chloromethane	U	0.005	mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Dibromomethane	U	0.005	mg/L	0.005	SW846-8260

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Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	U	0.005 mg/L	0.005	SW846-8260
Methylene chloride	U	0.005 mg/L	0.005	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	UY	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	Y	0.0027 mg/L	0.001	SW846-8260
Trichlorofluoromethane	JU	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Cyanide	U	0.05 mg/L	0.05	SW846-9010B
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		2.6 mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.029 mg/L	0.01	SW846-9020B

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**MW370**

**21177**

**MW370UG3-07**

Collected: 4/3/2007

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	2	mg/L		2	SW846-9056
Chloride		49	mg/L		2	SW846-9056
Fluoride		0.15	mg/L		0.1	9214
Nitrate as Nitrogen		1.4	mg/L		1	SW846-9056
Sulfate		15	mg/L		2	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010B
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic	X	0.0024	mg/L		0.001	SW846-6020
Barium		0.201	mg/L		0.005	SW846-6020
Barium, Dissolved		0.197	mg/L		0.005	SW846-6020
Beryllium	JU	0.001	mg/L		0.001	SW846-6020
Boron	BNUX	0.2	mg/L		0.2	SW846-6010B
Cadmium	U	0.0006	mg/L		0.0006	SW846-6020
Calcium		28.9	mg/L		1	SW846-6010B
Chromium	U	0.01	mg/L		0.01	SW846-6020
Chromium, Dissolved	U	0.01	mg/L		0.01	SW846-6020
Cobalt		0.00165	mg/L		0.001	SW846-6020
Copper	UX	0.02	mg/L		0.02	SW846-6020
Iron	U	0.05	mg/L		0.05	SW846-6010B
Lead	U	0.0013	mg/L		0.0013	SW846-6020
Magnesium		11.8	mg/L		0.025	SW846-6010B
Manganese	X	0.00804	mg/L		0.005	SW846-6020
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470A
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	U	0.005	mg/L		0.005	SW846-6020
Potassium		2.48	mg/L		0.2	SW846-6010B
Rhodium	U	0.005	mg/L		0.005	SW846-6020
Selenium		0.00867	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		35.4	mg/L		0.5	SW846-6010B
Tantalum	JU	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.94	Inches/Hg			
<b>PHYSC</b>						
Conductivity		419	umho/cm			
Depth to Water		36.27	ft			
Dissolved Oxygen		3.06	mg/L			
Dissolved Solids		223	mg/L		40	EPA-160.1
pH		6.13	Std Unit			
Redox		173	mV			
Suspended Solids	U	14	mg/L		14	EPA-160.2
Temperature		66.2	deg F			
<b>PCCB</b>						

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## MW370

### 21177

PCB, Total	U	0.00018	mg/L	0.0002	SW846-8082
PCB-1016	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1221	U	0.00018	mg/L	0.0002	SW846-8082
PCB-1232	U	0.00014	mg/L	0.0001	SW846-8082
PCB-1242	U	0.0001	mg/L	0.0001	SW846-8082
PCB-1248	U	0.00012	mg/L	0.0001	SW846-8082
PCB-1254	U	0.00007	mg/L	7E-05	SW846-8082
PCB-1260	U	0.00005	mg/L	5E-05	SW846-8082
PCB-1268	U	0.00009	mg/L	9E-05	SW846-8082

#### RADS

Alpha activity	U	-1.41	pCi/L	0.848	5.29	SW846-9310
Beta activity		47.8	pCi/L	4.92	4.89	SW846-9310
Iodine-131	U	5.54	pCi/L	11.1	19.4	RL-7124
Radium-226	U	0.0602	pCi/L	0.14	0.782	RL-7129
Strontium-90	U	0.17	pCi/L	0.0302	1.05	RL-7140
Technetium-99		50.6	pCi/L	13.2	16.6	RL-7100
Thorium-230	U	0.0245	pCi/L	0.0615	0.3	RL-7128
Tritium	U	-78	pCi/L	137	231	704R8

#### SVOA

1,2-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260

#### VOA

1,1,1,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.0002	mg/L	0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	0.005	SW846-8260
2-Butanone	U	0.01	mg/L	0.01	SW846-8260
2-Hexanone	U	0.01	mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L	0.01	SW846-8260
Acetone	U	0.01	mg/L	0.01	SW846-8260
Acrolein	JU	0.01	mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L	0.01	SW846-8260
Benzene	UY	0.005	mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromoform	U	0.005	mg/L	0.005	SW846-8260
Bromomethane	JU	0.005	mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L	0.005	SW846-8260
Chloroethane	U	0.005	mg/L	0.005	SW846-8260
Chloroform	U	0.005	mg/L	0.005	SW846-8260
Chloromethane	U	0.005	mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Dibromomethane	U	0.005	mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L	0.005	SW846-8260

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## MW370

### 21177

Iodomethane	U	0.005 mg/L	0.005	SW846-8260
Methylene chloride	U	0.005 mg/L	0.005	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	UY	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	Y	0.0042 mg/L	0.001	SW846-8260
Trichlorofluoromethane	JU	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Cyanide	U	0.05 mg/L	0.05	SW846-9010B
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.01 mg/L	0.01	SW846-9020B



# Paducah-OREIS Data Report

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**MW371**

**21177**

**MW371UG3-07**

Collected: 4/3/2007

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	2	mg/L		2	SW846-9056
Chloride		7.4	mg/L		2	SW846-9056
Fluoride		0.28	mg/L		0.1	9214
Nitrate as Nitrogen		1.5	mg/L		1	SW846-9056
Sulfate		10	mg/L		2	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010B
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic	UX	0.001	mg/L		0.001	SW846-6020
Barium		0.0928	mg/L		0.005	SW846-6020
Barium, Dissolved		0.0887	mg/L		0.005	SW846-6020
Beryllium	JU	0.001	mg/L		0.001	SW846-6020
Boron	BNUX	0.2	mg/L		0.2	SW846-6010B
Cadmium	U	0.0006	mg/L		0.0006	SW846-6020
Calcium		20.9	mg/L		1	SW846-6010B
Chromium	U	0.01	mg/L		0.01	SW846-6020
Chromium, Dissolved	U	0.01	mg/L		0.01	SW846-6020
Cobalt	U	0.001	mg/L		0.001	SW846-6020
Copper	UX	0.02	mg/L		0.02	SW846-6020
Iron		0.074	mg/L		0.05	SW846-6010B
Lead	U	0.0013	mg/L		0.0013	SW846-6020
Magnesium		8.51	mg/L		0.025	SW846-6010B
Manganese	UX	0.005	mg/L		0.005	SW846-6020
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470A
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	U	0.005	mg/L		0.005	SW846-6020
Potassium		0.339	mg/L		0.2	SW846-6010B
Rhodium	U	0.005	mg/L		0.005	SW846-6020
Selenium	U	0.005	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		108	mg/L		0.5	SW846-6010B
Tantalum	JU	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		29.94	Inches/Hg			
<b>PHYSC</b>						
Conductivity		592	umho/cm			
Depth to Water		19.8	ft			
Dissolved Oxygen		4.06	mg/L			
Dissolved Solids		355	mg/L		40	EPA-160.1
pH		6.86	Std Unit			
Redox		51	mV			
Suspended Solids	U	14	mg/L		14	EPA-160.2
Temperature		63.4	deg F			
<b>PCCB</b>						

# Paducah-OREIS Data Report

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## MW371

### 21177

PCB, Total	U	0.00018	mg/L	0.0002	SW846-8082
PCB-1016	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1221	U	0.00018	mg/L	0.0002	SW846-8082
PCB-1232	U	0.00014	mg/L	0.0001	SW846-8082
PCB-1242	U	0.0001	mg/L	0.0001	SW846-8082
PCB-1248	U	0.00012	mg/L	0.0001	SW846-8082
PCB-1254	U	0.00007	mg/L	7E-05	SW846-8082
PCB-1260	U	0.00005	mg/L	5E-05	SW846-8082
PCB-1268	U	0.00009	mg/L	9E-05	SW846-8082

#### RADS

Alpha activity	U	-0.178	pCi/L	0.159	6.37	SW846-9310
Beta activity		5.76	pCi/L	1.16	5.32	SW846-9310
Iodine-131	U	5.75	pCi/L	11.5	22.1	RL-7124
Radium-226	U	0.181	pCi/L	0.318	0.742	RL-7129
Strontium-90	U	0.123	pCi/L	0.0221	0.978	RL-7140
Technetium-99	U	7.73	pCi/L	11.8	16.6	RL-7100
Thorium-230	U	0.00066	pCi/L	0.0541	0.297	RL-7128
Tritium	U	-1.22	pCi/L	137	229	704R8

#### SVOA

1,2-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260

#### VOA

1,1,1,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.0002	mg/L	0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	0.005	SW846-8260
2-Butanone	U	0.01	mg/L	0.01	SW846-8260
2-Hexanone	U	0.01	mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L	0.01	SW846-8260
Acetone	U	0.01	mg/L	0.01	SW846-8260
Acrolein	JU	0.01	mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L	0.01	SW846-8260
Benzene	UY	0.005	mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromoform	U	0.005	mg/L	0.005	SW846-8260
Bromomethane	JU	0.005	mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L	0.005	SW846-8260
Chloroethane	U	0.005	mg/L	0.005	SW846-8260
Chloroform	U	0.005	mg/L	0.005	SW846-8260
Chloromethane	U	0.005	mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Dibromomethane	U	0.005	mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L	0.005	SW846-8260

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## MW371

### 21177

Iodomethane	U	0.005 mg/L	0.005	SW846-8260
Methylene chloride	U	0.005 mg/L	0.005	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	UY	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	UY	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	JU	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Cyanide	U	0.05 mg/L	0.05	SW846-9010B
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		1.8 mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.0129 mg/L	0.01	SW846-9020B

# Paducah-OREIS Data Report

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**MW220**  
**21182**  
**MW220SG3-07**

Collected: 4/10/2007

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	2	mg/L		2	SW846-9056
Chloride		31	mg/L		2	SW846-9056
Fluoride		0.2	mg/L		0.1	9214
Nitrate as Nitrogen		1.3	mg/L		1	SW846-9056
Sulfate		12	mg/L		2	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010B
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic		0.00187	mg/L		0.001	SW846-6020
Barium		0.221	mg/L		0.005	SW846-6020
Barium, Dissolved		0.216	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	BNU	0.2	mg/L		0.2	SW846-6010B
Cadmium	U	0.0006	mg/L		0.0006	SW846-6020
Calcium		20.4	mg/L		1	SW846-6010B
Chromium	U	0.01	mg/L		0.01	SW846-6020
Chromium, Dissolved	U	0.01	mg/L		0.01	SW846-6020
Cobalt		0.0069	mg/L		0.001	SW846-6020
Copper	NU	0.02	mg/L		0.02	SW846-6020
Iron	B	0.105	mg/L		0.05	SW846-6010B
Lead	U	0.0013	mg/L		0.0013	SW846-6020
Magnesium		8.01	mg/L		0.025	SW846-6010B
Manganese	N	0.0595	mg/L		0.005	SW846-6020
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470A
Molybdenum		0.00202	mg/L		0.001	SW846-6020
Nickel		0.418	mg/L		0.005	SW846-6020
Potassium		4.31	mg/L		0.2	SW846-6010B
Rhodium	BU	0.005	mg/L		0.005	SW846-6020
Selenium	B	0.0088	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		35.6	mg/L		0.5	SW846-6010B
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	BU	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	BU	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	NU	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		30.03	Inches/Hg			
<b>PHYSC</b>						
Conductivity		355	umho/cm			
Depth to Water		52.18	ft			
Dissolved Oxygen		4.26	mg/L			
Dissolved Solids		200	mg/L		40	EPA-160.1
pH		6.22	Std Unit			
Redox		212	mV			
Suspended Solids	U	14	mg/L		14	EPA-160.2
Temperature		60.9	deg F			
Turbidity		10.2	NTU			

# Paducah-OREIS Data Report

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## MW220

### 21182

#### RADS

Alpha activity	U	0.00354	pCi/L	0.0027	4.03	SW846-9310
Beta activity		20.3	pCi/L	3.04	4.34	SW846-9310
Iodine-131	U	2.53	pCi/L	5.05	14.6	RL-7124
Radium-226	U	0.415	pCi/L	0.396	0.762	RL-7129
Strontium-90	U	-0.138	pCi/L	0.0246	1.14	RL-7140
Technetium-99	U	16.4	pCi/L	14.4	20	RL-7100
Thorium-230	U	0.0361	pCi/L	0.0633	0.298	RL-7128
Tritium	U	-32.7	pCi/L	150	250	704R8

#### SVOA

1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260

#### VOA

1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	JU	0.01	mg/L		0.01	SW846-8260
Acrolein	U	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	JU	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	JU	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260

# Paducah-OREIS Data Report

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## MW220

### 21182

Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Cyanide	U	0.05 mg/L	0.05	SW846-9010B
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.01 mg/L	0.01	SW846-9020B

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# Paducah-OREIS Data Report

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**MW221**

**21182**

**MW221SG3-07**

Collected: 4/10/2007

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	2	mg/L		2	SW846-9056
Chloride		40	mg/L		2	SW846-9056
Fluoride		0.18	mg/L		0.1	9214
Nitrate as Nitrogen		1.6	mg/L		1	SW846-9056
Sulfate		12	mg/L		2	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010B
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic	U	0.01	mg/L		0.01	SW846-6020
Barium		0.217	mg/L		0.005	SW846-6020
Barium, Dissolved		0.21	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	BNU	0.2	mg/L		0.2	SW846-6010B
Cadmium	U	0.0006	mg/L		0.0006	SW846-6020
Calcium		20.6	mg/L		1	SW846-6010B
Chromium	U	0.1	mg/L		0.1	SW846-6020
Chromium, Dissolved	U	0.01	mg/L		0.01	SW846-6020
Cobalt	U	0.01	mg/L		0.01	SW846-6020
Copper	NU	0.2	mg/L		0.2	SW846-6020
Iron	BU	0.05	mg/L		0.05	SW846-6010B
Lead	U	0.0013	mg/L		0.0013	SW846-6020
Magnesium		8.55	mg/L		0.025	SW846-6010B
Manganese	NU	0.05	mg/L		0.05	SW846-6020
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470A
Molybdenum		0.00182	mg/L		0.001	SW846-6020
Nickel	U	0.05	mg/L		0.05	SW846-6020
Potassium		4.08	mg/L		0.2	SW846-6010B
Rhodium	BU	0.005	mg/L		0.005	SW846-6020
Selenium	B	0.0118	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		43.1	mg/L		0.5	SW846-6010B
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	BU	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	BU	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.2	mg/L		0.2	SW846-6020
Zinc	NU	0.2	mg/L		0.2	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		30.06	Inches/Hg			
<b>PHYSC</b>						
Conductivity		409	umho/cm			
Depth to Water		61.96	ft			
Dissolved Oxygen		4.39	mg/L			
Dissolved Solids		211	mg/L		40	EPA-160.1
pH		6.23	Std Unit			
Redox		165	mV			
Suspended Solids	U	14	mg/L		14	EPA-160.2
Temperature		56	deg F			
Turbidity		0.9	NTU			

**MW221****21182****RADS**

Alpha activity	U	-0.739	pCi/L	0.853	4.42	SW846-9310
Beta activity		7.89	pCi/L	1.61	4.48	SW846-9310
Iodine-131	U	-0.62	pCi/L	1.24	11.7	RL-7124
Radium-226	U	0.249	pCi/L	0.278	0.773	RL-7129
Strontium-90	U	0.0303	pCi/L	0.0052	1.22	RL-7140
Technetium-99	U	1.23	pCi/L	13.9	20	RL-7100
Thorium-230	U	-0.077	pCi/L	0.0609	0.305	RL-7128
Tritium	U	69.7	pCi/L	150	249	704R8

**SVOA**

1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260

**VOA**

1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	JU	0.01	mg/L		0.01	SW846-8260
Acrolein	U	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	JU	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	JU	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260



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## MW221

### 21182

Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Cyanide	U	0.05 mg/L	0.05	SW846-9010B
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.01 mg/L	0.01	SW846-9020B

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# Paducah-OREIS Data Report

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**MW222**  
**21182**  
**MW222SG3-07**

Collected: 4/10/2007

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	2	mg/L		2	SW846-9056
Chloride		37	mg/L		2	SW846-9056
Fluoride		0.27	mg/L		0.1	9214
Nitrate as Nitrogen		1.2	mg/L		1	SW846-9056
Sulfate		12	mg/L		2	SW846-9056
<b>METAL</b>						
Aluminum		0.475	mg/L		0.2	SW846-6010B
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic	U	0.01	mg/L		0.01	SW846-6020
Barium		0.306	mg/L		0.005	SW846-6020
Barium, Dissolved		0.299	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	BNU	0.2	mg/L		0.2	SW846-6010B
Cadmium	U	0.0006	mg/L		0.0006	SW846-6020
Calcium		20.1	mg/L		1	SW846-6010B
Chromium	U	0.1	mg/L		0.1	SW846-6020
Chromium, Dissolved	U	0.01	mg/L		0.01	SW846-6020
Cobalt	U	0.01	mg/L		0.01	SW846-6020
Copper	NU	0.2	mg/L		0.2	SW846-6020
Iron		0.473	mg/L		0.05	SW846-6010B
Lead	U	0.0013	mg/L		0.0013	SW846-6020
Magnesium		8.39	mg/L		0.025	SW846-6010B
Manganese	N	0.057	mg/L		0.05	SW846-6020
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470A
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	U	0.05	mg/L		0.05	SW846-6020
Potassium		0.649	mg/L		0.2	SW846-6010B
Rhodium	BU	0.005	mg/L		0.005	SW846-6020
Selenium	B	0.0107	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		43.9	mg/L		0.5	SW846-6010B
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	BU	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	BU	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.2	mg/L		0.2	SW846-6020
Zinc	NU	0.2	mg/L		0.2	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		30.06	Inches/Hg			
<b>PHYSC</b>						
Conductivity		393	umho/cm			
Depth to Water		65.88	ft			
Dissolved Oxygen		3	mg/L			
Dissolved Solids		222	mg/L		40	EPA-160.1
pH		6.22	Std Unit			
Redox		145	mV			
Suspended Solids	U	14	mg/L		14	EPA-160.2
Temperature		60.6	deg F			
Turbidity		5.6	NTU			

# Paducah-OREIS Data Report

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## MW222

### 21182

#### RADS

Alpha activity	U	1.67	pCi/L	1.18	4.23	SW846-9310
Beta activity		5.88	pCi/L	1.28	4.42	SW846-9310
Iodine-131	U	0.588	pCi/L	1.18	15.6	RL-7124
Radium-226	U	-0.0192	pCi/L	0.0135	0.816	RL-7129
Strontium-90	U	-0.135	pCi/L	0.0239	1.25	RL-7140
Technetium-99	U	-0.39	pCi/L	13.8	20	RL-7100
Thorium-230	U	0.0266	pCi/L	0.0643	0.299	RL-7128
Tritium	U	-92.8	pCi/L	151	253	704R8

#### SVOA

1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260

#### VOA

1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	JU	0.01	mg/L		0.01	SW846-8260
Acrolein	U	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	JU	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	JU	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260

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## MW222

### 21182

Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Cyanide	U	0.05 mg/L	0.05	SW846-9010B
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.01 mg/L	0.01	SW846-9020B

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# Paducah-OREIS Data Report

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**MW223**  
**21182**  
**MW223SG3-07**

Collected: 4/10/2007

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	2	mg/L		2	SW846-9056
Chloride		35	mg/L		2	SW846-9056
Fluoride		0.2	mg/L		0.1	9214
Nitrate as Nitrogen		1.1	mg/L		1	SW846-9056
Sulfate		11	mg/L		2	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010B
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic	U	0.01	mg/L		0.01	SW846-6020
Barium		0.271	mg/L		0.005	SW846-6020
Barium, Dissolved		0.26	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	BNU	0.2	mg/L		0.2	SW846-6010B
Cadmium	U	0.0006	mg/L		0.0006	SW846-6020
Calcium		22.3	mg/L		1	SW846-6010B
Chromium	U	0.1	mg/L		0.1	SW846-6020
Chromium, Dissolved		0.017	mg/L		0.01	SW846-6020
Cobalt	U	0.01	mg/L		0.01	SW846-6020
Copper	NU	0.2	mg/L		0.2	SW846-6020
Iron	BU	0.05	mg/L		0.05	SW846-6010B
Lead	U	0.0013	mg/L		0.0013	SW846-6020
Magnesium		8.82	mg/L		0.025	SW846-6010B
Manganese	NU	0.05	mg/L		0.05	SW846-6020
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470A
Molybdenum		0.00746	mg/L		0.001	SW846-6020
Nickel		0.174	mg/L		0.05	SW846-6020
Potassium		5.29	mg/L		0.2	SW846-6010B
Rhodium	BU	0.005	mg/L		0.005	SW846-6020
Selenium	B	0.0108	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		44.6	mg/L		0.5	SW846-6010B
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	BU	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	BU	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.2	mg/L		0.2	SW846-6020
Zinc	NU	0.2	mg/L		0.2	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		30.06	Inches/Hg			
<b>PHYSC</b>						
Conductivity		419	umho/cm			
Depth to Water		65.15	ft			
Dissolved Oxygen		2.05	mg/L			
Dissolved Solids		234	mg/L		40	EPA-160.1
pH		6.27	Std Unit			
Redox		163	mV			
Suspended Solids	U	14	mg/L		14	EPA-160.2
Temperature		57.9	deg F			
Turbidity		1.3	NTU			

# Paducah-OREIS Data Report

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## MW223

### 21182

#### RADS

Alpha activity	U	0.581	pCi/L	0.474	4.39	SW846-9310
Beta activity		8.67	pCi/L	1.73	4.48	SW846-9310
Iodine-131	U	10.8	pCi/L	21.5	13	RL-7124
Radium-226	U	0.218	pCi/L	0.383	0.864	RL-7129
Strontium-90	U	-0.264	pCi/L	0.0486	1.19	RL-7140
Technetium-99	U	0.891	pCi/L	13.9	20	RL-7100
Thorium-230	U	-0.0346	pCi/L	0.0212	0.326	RL-7128
Tritium	U	4.46	pCi/L	150	250	704R8

#### SVOA

1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260

#### VOA

1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	JU	0.01	mg/L		0.01	SW846-8260
Acrolein	U	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	JU	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	JU	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260

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## MW223

### 21182

Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Cyanide	U	0.05 mg/L	0.05	SW846-9010B
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.01 mg/L	0.01	SW846-9020B

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# Paducah-OREIS Data Report

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**MW224**  
**21182**  
**MW224SG3-07**

Collected: 4/10/2007

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	2	mg/L		2	SW846-9056
Chloride		39	mg/L		2	SW846-9056
Fluoride		0.24	mg/L		0.1	9214
Nitrate as Nitrogen		1.3	mg/L		1	SW846-9056
Sulfate		19	mg/L		2	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010B
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic	U	0.01	mg/L		0.01	SW846-6020
Barium		0.278	mg/L		0.005	SW846-6020
Barium, Dissolved		0.26	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	BNU	0.2	mg/L		0.2	SW846-6010B
Cadmium	U	0.0006	mg/L		0.0006	SW846-6020
Calcium		29.9	mg/L		1	SW846-6010B
Chromium	U	0.1	mg/L		0.1	SW846-6020
Chromium, Dissolved	U	0.01	mg/L		0.01	SW846-6020
Cobalt	U	0.01	mg/L		0.01	SW846-6020
Copper	U	0.2	mg/L		0.2	SW846-6020
Iron	BU	0.05	mg/L		0.05	SW846-6010B
Lead	U	0.0013	mg/L		0.0013	SW846-6020
Magnesium		12.3	mg/L		0.025	SW846-6010B
Manganese		0.0801	mg/L		0.05	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470A
Molybdenum	U	0.001	mg/L		0.001	SW846-6020
Nickel	U	0.05	mg/L		0.05	SW846-6020
Potassium		1.15	mg/L		0.2	SW846-6010B
Rhodium	BU	0.005	mg/L		0.005	SW846-6020
Selenium		0.00867	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		59.3	mg/L		0.5	SW846-6010B
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	BU	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	BU	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.2	mg/L		0.2	SW846-6020
Zinc	U	0.2	mg/L		0.2	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		30.06	Inches/Hg			
<b>PHYSC</b>						
Conductivity		531	umho/cm			
Depth to Water		66.39	ft			
Dissolved Oxygen		2.76	mg/L			
Dissolved Solids		279	mg/L		40	EPA-160.1
pH		6.25	Std Unit			
Redox		141	mV			
Suspended Solids	U	14	mg/L		14	EPA-160.2
Temperature		61.9	deg F			
Turbidity		13.5	NTU			



# Paducah-OREIS Data Report

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## MW224

### 21182

#### RADS

Alpha activity	U	-0.666	pCi/L	0.769	4.98	SW846-9310
Beta activity		6.49	pCi/L	1.41	4.75	SW846-9310
Iodine-131	U	-5.47	pCi/L	10.9	7.82	RL-7124
Radium-226	U	0.338	pCi/L	0.356	0.726	RL-7129
Strontium-90	U	0.0897	pCi/L	0.016	1.06	RL-7140
Technetium-99	U	-3.06	pCi/L	13.8	20	RL-7100
Thorium-230	U	0.0269	pCi/L	0.0646	0.306	RL-7128
Tritium	U	-17	pCi/L	151	252	704R8

#### SVOA

1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260

#### VOA

1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	JU	0.01	mg/L		0.01	SW846-8260
Acrolein	U	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	JU	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	JU	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260

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## MW224

### 21182

Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Cyanide	U	0.05 mg/L	0.05	SW846-9010B
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.01 mg/L	0.01	SW846-9020B

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# Paducah-OREIS Data Report

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**MW384**  
**21182**  
**MW384SG3-07**

Collected: 4/9/2007

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	2	mg/L		2	SW846-9056
Chloride		50	mg/L		5	SW846-9056
Fluoride		0.28	mg/L		0.1	9214
Nitrate as Nitrogen		1.1	mg/L		1	SW846-9056
Sulfate		20	mg/L		2	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010B
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic		0.00355	mg/L		0.001	SW846-6020
Barium		0.161	mg/L		0.005	SW846-6020
Barium, Dissolved		0.148	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	BNU	0.2	mg/L		0.2	SW846-6010B
Cadmium	U	0.0006	mg/L		0.0006	SW846-6020
Calcium		29.7	mg/L		1	SW846-6010B
Chromium	U	0.01	mg/L		0.01	SW846-6020
Chromium, Dissolved	U	0.01	mg/L		0.01	SW846-6020
Cobalt	U	0.001	mg/L		0.001	SW846-6020
Copper	NU	0.02	mg/L		0.02	SW846-6020
Iron		1.16	mg/L		0.05	SW846-6010B
Lead	U	0.0013	mg/L		0.0013	SW846-6020
Magnesium		11.1	mg/L		0.025	SW846-6010B
Manganese	N	0.164	mg/L		0.005	SW846-6020
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470A
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	U	0.005	mg/L		0.005	SW846-6020
Potassium		1.17	mg/L		0.2	SW846-6010B
Rhodium	BU	0.005	mg/L		0.005	SW846-6020
Selenium		0.00837	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		60.6	mg/L		0.5	SW846-6010B
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	BU	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	BU	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	NU	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		30.13	Inches/Hg			
<b>PHYSC</b>						
Conductivity		516	umho/cm			
Depth to Water		36.28	ft			
Dissolved Oxygen		1.01	mg/L			
Dissolved Solids		256	mg/L		40	EPA-160.1
pH		6.36	Std Unit			
Redox		-97	mV			
Suspended Solids	U	14	mg/L		14	EPA-160.2
Temperature		54.7	deg F			
Turbidity		5.5	NTU			

# Paducah-OREIS Data Report

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## MW384

### 21182

#### RADS

Alpha activity	U	-6.04	pCi/L	2.64	6.15	SW846-9310
Beta activity		218	pCi/L	11.6	5.19	SW846-9310
Iodine-131	U	1.29	pCi/L	2.58	13.9	RL-7124
Radium-226	U	0.0884	pCi/L	0.202	0.758	RL-7129
Strontium-90	U	0.0517	pCi/L	0.0088	1.2	RL-7140
Technetium-99		263	pCi/L	19.3	18	RL-7100
Thorium-230	U	0.0493	pCi/L	0.0725	0.304	RL-7128
Tritium	U	-62.1	pCi/L	149	250	704R8

#### SVOA

1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260

#### VOA

1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JU	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	U	0.01	mg/L		0.01	SW846-8260
Acrolein	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	JU	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	JU	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260

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### 21182

Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Cyanide	U	0.05 mg/L	0.05	SW846-9010B
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		2.5 mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.025 mg/L	0.01	SW846-9020B

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# Paducah-OREIS Data Report

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**MW385**  
**21182**  
**MW385SG3-07**

Collected: 4/9/2007

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	2	mg/L		2	SW846-9056
Chloride		31	mg/L		2	SW846-9056
Fluoride		0.22	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		17	mg/L		2	SW846-9056
<b>METAL</b>						
Aluminum		1.13	mg/L		0.2	SW846-6010B
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic	U	0.01	mg/L		0.01	SW846-6020
Barium		0.213	mg/L		0.005	SW846-6020
Barium, Dissolved		0.191	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	BNU	0.2	mg/L		0.2	SW846-6010B
Cadmium	U	0.0006	mg/L		0.0006	SW846-6020
Calcium		34.4	mg/L		1	SW846-6010B
Chromium	U	0.1	mg/L		0.1	SW846-6020
Chromium, Dissolved	U	0.01	mg/L		0.01	SW846-6020
Cobalt	U	0.01	mg/L		0.01	SW846-6020
Copper	NU	0.2	mg/L		0.2	SW846-6020
Iron		0.435	mg/L		0.05	SW846-6010B
Lead	U	0.0013	mg/L		0.0013	SW846-6020
Magnesium		10	mg/L		0.025	SW846-6010B
Manganese	NU	0.05	mg/L		0.05	SW846-6020
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470A
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	U	0.05	mg/L		0.05	SW846-6020
Potassium		1.93	mg/L		0.2	SW846-6010B
Rhodium	BU	0.005	mg/L		0.005	SW846-6020
Selenium	B	0.00744	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		45.4	mg/L		0.5	SW846-6010B
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	BU	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	BU	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.2	mg/L		0.2	SW846-6020
Zinc	NU	0.2	mg/L		0.2	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		30.13	Inches/Hg			
<b>PHYSC</b>						
Conductivity		511	umho/cm			
Depth to Water		36.67	ft			
Dissolved Oxygen		2.15	mg/L			
Dissolved Solids		240	mg/L		40	EPA-160.1
pH		6.76	Std Unit			
Redox		120	mV			
Suspended Solids	U	14	mg/L		14	EPA-160.2
Temperature		59.9	deg F			
Turbidity		6.3	NTU			

**MW385**

**21182**

**RADS**

Alpha activity	U	4.56	pCi/L	1.44	5.81	SW846-9310
Beta activity		215	pCi/L	11.3	5.05	SW846-9310
Iodine-131	U	1.78	pCi/L	3.56	15	RL-7124
Radium-226	U	0.0512	pCi/L	0.127	0.73	RL-7129
Strontium-90	U	0	pCi/L	0	1.17	RL-7140
Technetium-99		285	pCi/L	21	20	RL-7100
Thorium-230	U	0.0409	pCi/L	0.071	0.313	RL-7128
Tritium	U	29.9	pCi/L	150	249	704R8

**SVOA**

1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260

**VOA**

1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JU	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	JU	0.01	mg/L		0.01	SW846-8260
Acrolein	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	JU	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	JU	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260

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Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Cyanide	JU	0.05 mg/L	0.05	SW846-9010B
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.01 mg/L	0.01	SW846-9020B

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# Paducah-OREIS Data Report

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**MW386**  
**21182**  
**MW386SG3-07**

Collected: 4/9/2007

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	2	mg/L		2	SW846-9056
Chloride		35	mg/L		2	SW846-9056
Fluoride		0.48	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		32	mg/L		2	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010B
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic	U	0.01	mg/L		0.01	SW846-6020
Barium		0.183	mg/L		0.005	SW846-6020
Barium, Dissolved		0.166	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	BNU	0.2	mg/L		0.2	SW846-6010B
Cadmium	U	0.0006	mg/L		0.0006	SW846-6020
Calcium		30.5	mg/L		1	SW846-6010B
Chromium	U	0.1	mg/L		0.1	SW846-6020
Chromium, Dissolved	U	0.01	mg/L		0.01	SW846-6020
Cobalt	U	0.01	mg/L		0.01	SW846-6020
Copper	NU	0.2	mg/L		0.2	SW846-6020
Iron		3.14	mg/L		0.05	SW846-6010B
Lead	U	0.0013	mg/L		0.0013	SW846-6020
Magnesium		12.4	mg/L		0.025	SW846-6010B
Manganese	N	0.157	mg/L		0.05	SW846-6020
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470A
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	U	0.05	mg/L		0.05	SW846-6020
Potassium		0.547	mg/L		0.2	SW846-6010B
Rhodium	BU	0.005	mg/L		0.005	SW846-6020
Selenium	BU	0.005	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		120	mg/L		5	SW846-6010B
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	BU	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	BU	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.2	mg/L		0.2	SW846-6020
Zinc	NU	0.2	mg/L		0.2	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		30.13	Inches/Hg			
<b>PHYSC</b>						
Conductivity		733	umho/cm			
Depth to Water		21.52	ft			
Dissolved Oxygen		1.31	mg/L			
Dissolved Solids		456	mg/L		40	EPA-160.1
pH		6.81	Std Unit			
Redox		-9	mV			
Suspended Solids	U	14	mg/L		14	EPA-160.2
Temperature		56.2	deg F			
Turbidity		67.8	NTU			

## MW386

## 21182

## RADS

Alpha activity	U	-1.02	pCi/L	1.17	6.84	SW846-9310
Beta activity	U	3.02	pCi/L	0.675	5.75	SW846-9310
Iodine-131	U	4.45	pCi/L	8.89	14.5	RL-7124
Radium-226	U	0.232	pCi/L	0.296	0.741	RL-7129
Strontium-90	U	0.269	pCi/L	0.0436	1.22	RL-7140
Technetium-99	U	-4.51	pCi/L	13.8	20	RL-7100
Thorium-230	U	0.0473	pCi/L	0.0705	0.307	RL-7128
Tritium	U	-95.4	pCi/L	147	247	704R8

## SVOA

1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260

## VOA

1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JU	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	U	0.01	mg/L		0.01	SW846-8260
Acrolein	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	JU	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	JU	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260

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## MW386

### 21182

Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)		67 mg/L	25	EPA-410.4 1978
Cyanide	U	0.05 mg/L	0.05	SW846-9010B
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	D	25 mg/L	5	SW846-9060
Total Organic Halides (TOX)		0.514 mg/L	0.01	SW846-9020B

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# Paducah-OREIS Data Report

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**MW387**  
**21182**  
**MW387SG3-07**

Collected: 4/9/2007

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	2	mg/L		2	SW846-9056
Chloride		44	mg/L		2	SW846-9056
Fluoride		0.61	mg/L		0.1	9214
Nitrate as Nitrogen		1.5	mg/L		1	SW846-9056
Sulfate		26	mg/L		2	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010B
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic		0.00342	mg/L		0.001	SW846-6020
Barium		0.155	mg/L		0.005	SW846-6020
Barium, Dissolved		0.145	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	BNU	0.2	mg/L		0.2	SW846-6010B
Cadmium	U	0.0006	mg/L		0.0006	SW846-6020
Calcium		34.3	mg/L		1	SW846-6010B
Chromium	U	0.01	mg/L		0.01	SW846-6020
Chromium, Dissolved	U	0.01	mg/L		0.01	SW846-6020
Cobalt	U	0.001	mg/L		0.001	SW846-6020
Copper	NU	0.02	mg/L		0.02	SW846-6020
Iron		0.306	mg/L		0.05	SW846-6010B
Lead	U	0.0013	mg/L		0.0013	SW846-6020
Magnesium		13.6	mg/L		0.025	SW846-6010B
Manganese	N	0.0203	mg/L		0.005	SW846-6020
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470A
Molybdenum		0.00282	mg/L		0.001	SW846-6020
Nickel	U	0.005	mg/L		0.005	SW846-6020
Potassium		1.9	mg/L		0.2	SW846-6010B
Rhodium	BU	0.005	mg/L		0.005	SW846-6020
Selenium	B	0.00933	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		49.3	mg/L		0.5	SW846-6010B
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	BU	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	BU	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	NU	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		30.13	Inches/Hg			
<b>PHYSC</b>						
Conductivity		498	umho/cm			
Depth to Water		34.48	ft			
Dissolved Oxygen		3.61	mg/L			
Dissolved Solids		288	mg/L		40	EPA-160.1
pH		6.29	Std Unit			
Redox		123	mV			
Suspended Solids	U	14	mg/L		14	EPA-160.2
Temperature		59.4	deg F			
Turbidity		10.3	NTU			

**MW387****21182****RADS**

Alpha activity	U	-1.85	pCi/L	0.711	5.95	SW846-9310
Beta activity		206	pCi/L	11.2	5.11	SW846-9310
Iodine-131	U	0.583	pCi/L	1.17	14.5	RL-7124
Radium-226	U	0.0398	pCi/L	0.105	0.725	RL-7129
Strontium-90	U	0.429	pCi/L	0.0676	1.29	RL-7140
Technetium-99		265	pCi/L	20.6	20	RL-7100
Thorium-230	U	0.0209	pCi/L	0.0507	0.298	RL-7128
Tritium	U	-122	pCi/L	143	241	704R8

**SVOA**

1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260

**VOA**

1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JU	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	JU	0.01	mg/L		0.01	SW846-8260
Acrolein	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	JU	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	JU	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260

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## MW387

## 21182

Trichloroethene		0.0015 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Cyanide	JU	0.05 mg/L	0.05	SW846-9010B
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.01 mg/L	0.01	SW846-9020B

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# Paducah-OREIS Data Report

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**MW388**  
**21182**  
**MW388SG3-07**

Collected: 4/9/2007

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	2	mg/L		2	SW846-9056
Chloride		36	mg/L		2	SW846-9056
Fluoride		0.28	mg/L		0.1	9214
Nitrate as Nitrogen		1.5	mg/L		1	SW846-9056
Sulfate		18	mg/L		2	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010B
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic		0.00207	mg/L		0.001	SW846-6020
Barium		0.184	mg/L		0.005	SW846-6020
Barium, Dissolved		0.178	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	BNU	0.2	mg/L		0.2	SW846-6010B
Cadmium	U	0.0006	mg/L		0.0006	SW846-6020
Calcium		24.4	mg/L		1	SW846-6010B
Chromium	U	0.01	mg/L		0.01	SW846-6020
Chromium, Dissolved	U	0.01	mg/L		0.01	SW846-6020
Cobalt	U	0.001	mg/L		0.001	SW846-6020
Copper	NU	0.02	mg/L		0.02	SW846-6020
Iron	B	0.144	mg/L		0.05	SW846-6010B
Lead	U	0.0013	mg/L		0.0013	SW846-6020
Magnesium		9.93	mg/L		0.025	SW846-6010B
Manganese	NU	0.005	mg/L		0.005	SW846-6020
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470A
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	U	0.005	mg/L		0.005	SW846-6020
Potassium		1.87	mg/L		0.2	SW846-6010B
Rhodium	BU	0.005	mg/L		0.005	SW846-6020
Selenium	B	0.00822	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		39.1	mg/L		0.5	SW846-6010B
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	BU	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	BU	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	NU	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		30.13	Inches/Hg			
<b>PHYSC</b>						
Conductivity		392	umho/cm			
Depth to Water		34.42	ft			
Dissolved Oxygen		5.17	mg/L			
Dissolved Solids		218	mg/L		40	EPA-160.1
pH		6.23	Std Unit			
Redox		135	mV			
Suspended Solids	U	14	mg/L		14	EPA-160.2
Temperature		59.2	deg F			
Turbidity		5.8	NTU			

# Paducah-OREIS Data Report

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## MW388

### 21182

#### RADS

Alpha activity	U	-3.44	pCi/L	1.72	5.48	SW846-9310
Beta activity		141	pCi/L	8.99	4.95	SW846-9310
Iodine-131	U	0.523	pCi/L	1.05	14	RL-7124
Radium-226	U	0.0106	pCi/L	0.0461	0.748	RL-7129
Strontium-90	U	-0.241	pCi/L	0.0439	1.17	RL-7140
Technetium-99		172	pCi/L	18.5	20	RL-7100
Thorium-230	U	-0.0113	pCi/L	0.0678	0.32	RL-7128
Tritium	U	-162	pCi/L	145	245	704R8

#### SVOA

1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260

#### VOA

1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JU	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	JU	0.01	mg/L		0.01	SW846-8260
Acrolein	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	JU	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	JU	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260



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## MW388

### 21182

Trichloroethene		0.0011 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Cyanide	JU	0.05 mg/L	0.05	SW846-9010B
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.01 mg/L	0.01	SW846-9020B

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# Paducah-OREIS Data Report

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**MW390**

**21182**

**MW390SG3-07**

Collected: 4/9/2007

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	2	mg/L		2	SW846-9056
Chloride		160	mg/L		10	SW846-9056
Fluoride		0.24	mg/L		0.1	9214
Nitrate as Nitrogen		3.4	mg/L		1	SW846-9056
Sulfate		23	mg/L		2	SW846-9056
<b>METAL</b>						
Aluminum		0.394	mg/L		0.2	SW846-6010B
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic	U	0.01	mg/L		0.01	SW846-6020
Barium		0.384	mg/L		0.005	SW846-6020
Barium, Dissolved		0.362	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	BNU	0.2	mg/L		0.2	SW846-6010B
Cadmium	U	0.0006	mg/L		0.0006	SW846-6020
Calcium		49.4	mg/L		1	SW846-6010B
Chromium	U	0.1	mg/L		0.1	SW846-6020
Chromium, Dissolved	U	0.01	mg/L		0.01	SW846-6020
Cobalt	U	0.01	mg/L		0.01	SW846-6020
Copper	NU	0.2	mg/L		0.2	SW846-6020
Iron		0.211	mg/L		0.05	SW846-6010B
Lead	U	0.0013	mg/L		0.0013	SW846-6020
Magnesium		19.5	mg/L		0.025	SW846-6010B
Manganese	NU	0.05	mg/L		0.05	SW846-6020
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470A
Molybdenum		0.00295	mg/L		0.001	SW846-6020
Nickel	U	0.05	mg/L		0.05	SW846-6020
Potassium		0.546	mg/L		0.2	SW846-6010B
Rhodium	BU	0.005	mg/L		0.005	SW846-6020
Selenium	B	0.0216	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		109	mg/L		0.5	SW846-6010B
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	BU	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	BU	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.2	mg/L		0.2	SW846-6020
Zinc	NU	0.2	mg/L		0.2	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		30.13	Inches/Hg			
<b>PHYSC</b>						
Conductivity		940	umho/cm			
Depth to Water		31.61	ft			
Dissolved Oxygen		3.5	mg/L			
Dissolved Solids		522	mg/L		40	EPA-160.1
pH		6.34	Std Unit			
Redox		99	mV			
Suspended Solids	U	14	mg/L		14	EPA-160.2
Temperature		59.1	deg F			
Turbidity		3.2	NTU			

**MW390****21182****RADS**

Alpha activity	U	5.74	pCi/L	2.63	6.87	SW846-9310
Beta activity		53.3	pCi/L	5.62	5.8	SW846-9310
Iodine-131	U	-4.33	pCi/L	8.65	9.96	RL-7124
Radium-226	U	-0.1	pCi/L	0.0785	0.768	RL-7129
Strontium-90	U	0.0151	pCi/L	0.0026	1.15	RL-7140
Technetium-99		62.9	pCi/L	15.8	20	RL-7100
Thorium-230	U	0.148	pCi/L	0.0955	0.305	RL-7128
Tritium	U	-3.44	pCi/L	149	248	704R8

**SVOA**

1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260

**VOA**

1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JU	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	JU	0.01	mg/L		0.01	SW846-8260
Acrolein	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	JU	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	JU	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260

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## MW390

### 21182

Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Cyanide	JU	0.05 mg/L	0.05	SW846-9010B
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		2.4 mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.0239 mg/L	0.01	SW846-9020B

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# Paducah-OREIS Data Report

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12/18/2007

**MW391**

**21182**

**MW391SG3-07**

Collected: 4/9/2007

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	2	mg/L		2	SW846-9056
Chloride		47	mg/L		2	SW846-9056
Fluoride		0.16	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		12	mg/L		2	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010B
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic		0.00206	mg/L		0.001	SW846-6020
Barium		0.239	mg/L		0.005	SW846-6020
Barium, Dissolved		0.229	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	BNU	0.2	mg/L		0.2	SW846-6010B
Cadmium	U	0.0006	mg/L		0.0006	SW846-6020
Calcium		26	mg/L		1	SW846-6010B
Chromium	U	0.01	mg/L		0.01	SW846-6020
Chromium, Dissolved	U	0.01	mg/L		0.01	SW846-6020
Cobalt	U	0.001	mg/L		0.001	SW846-6020
Copper	NU	0.02	mg/L		0.02	SW846-6020
Iron	B	0.096	mg/L		0.05	SW846-6010B
Lead	U	0.0013	mg/L		0.0013	SW846-6020
Magnesium		10.2	mg/L		0.025	SW846-6010B
Manganese	NU	0.005	mg/L		0.005	SW846-6020
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470A
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	U	0.005	mg/L		0.005	SW846-6020
Potassium		1.54	mg/L		0.2	SW846-6010B
Rhodium	BU	0.005	mg/L		0.005	SW846-6020
Selenium	B	0.0112	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		31.6	mg/L		0.5	SW846-6010B
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	BU	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	BU	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	NU	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		30.13	Inches/Hg			
<b>PHYSC</b>						
Conductivity		379	umho/cm			
Depth to Water		37.8	ft			
Dissolved Oxygen		3.79	mg/L			
Dissolved Solids		184	mg/L		40	EPA-160.1
pH		6.32	Std Unit			
Redox		184	mV			
Suspended Solids	U	14	mg/L		14	EPA-160.2
Temperature		59.3	deg F			
Turbidity		6.2	NTU			

**MW391****21182****RADS**

Alpha activity	U	-0.501	pCi/L	0.501	4.93	SW846-9310
Beta activity		6.24	pCi/L	1.22	4.8	SW846-9310
Iodine-131	U	1.36	pCi/L	2.73	14.4	RL-7124
Radium-226	U	-0.0237	pCi/L	0.0223	1.01	RL-7129
Strontium-90	U	0.39	pCi/L	0.0616	1.19	RL-7140
Technetium-99	U	-16.4	pCi/L	13.3	20	RL-7100
Thorium-230	U	-0.0051	pCi/L	0.0663	0.3	RL-7128
Tritium	U	-41.6	pCi/L	151	251	704R8

**SVOA**

1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260

**VOA**

1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JU	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	U	0.01	mg/L		0.01	SW846-8260
Acrolein	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	JU	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	JU	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260

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## MW391

## 21182

Trichloroethene		0.019 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Cyanide	U	0.05 mg/L	0.05	SW846-9010B
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.01 mg/L	0.01	SW846-9020B

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# Paducah-OREIS Data Report

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12/18/2007

**MW392**  
**21182**  
**MW392SG3-07**

Collected: 4/9/2007

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	2	mg/L		2	SW846-9056
Chloride		47	mg/L		2	SW846-9056
Fluoride		0.24	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		6.6	mg/L		2	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010B
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic		0.00255	mg/L		0.001	SW846-6020
Barium		0.233	mg/L		0.005	SW846-6020
Barium, Dissolved		0.213	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	BNU	0.2	mg/L		0.2	SW846-6010B
Cadmium	U	0.0006	mg/L		0.0006	SW846-6020
Calcium		25.8	mg/L		1	SW846-6010B
Chromium	U	0.01	mg/L		0.01	SW846-6020
Chromium, Dissolved	U	0.01	mg/L		0.01	SW846-6020
Cobalt	U	0.001	mg/L		0.001	SW846-6020
Copper	NU	0.02	mg/L		0.02	SW846-6020
Iron		1.49	mg/L		0.05	SW846-6010B
Lead	U	0.0013	mg/L		0.0013	SW846-6020
Magnesium		9.41	mg/L		0.025	SW846-6010B
Manganese	N	0.592	mg/L		0.005	SW846-6020
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470A
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	U	0.005	mg/L		0.005	SW846-6020
Potassium		1.82	mg/L		0.2	SW846-6010B
Rhodium	BU	0.005	mg/L		0.005	SW846-6020
Selenium	B	0.00642	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		46.7	mg/L		0.5	SW846-6010B
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	BU	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	BU	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	NU	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		30.13	Inches/Hg			
<b>PHYSC</b>						
Conductivity		434	umho/cm			
Depth to Water		36.98	ft			
Dissolved Oxygen		0.59	mg/L			
Dissolved Solids		217	mg/L		40	EPA-160.1
pH		6.28	Std Unit			
Redox		23	mV			
Suspended Solids	U	14	mg/L		14	EPA-160.2
Temperature		55.7	deg F			
Turbidity		22.7	NTU			



**MW392****21182****RADS**

Alpha activity	U	3.09	pCi/L	1.95	6.01	SW846-9310
Beta activity	U	2.69	pCi/L	0.602	5.13	SW846-9310
Iodine-131	U	-6.71	pCi/L	13.4	9.69	RL-7124
Radium-226	U	-0.0757	pCi/L	0.0632	0.739	RL-7129
Strontium-90	U	-0.051	pCi/L	0.0088	1.2	RL-7140
Technetium-99	U	2.92	pCi/L	12.7	18	RL-7100
Thorium-230	U	0.0376	pCi/L	0.0847	0.313	RL-7128
Tritium	U	-69.4	pCi/L	148	248	704R8

**SVOA**

1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260

**VOA**

1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JU	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	U	0.01	mg/L		0.01	SW846-8260
Acrolein	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	JU	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	JU	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260

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## MW392

## 21182

Trichloroethene		0.014 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Cyanide	U	0.05 mg/L	0.05	SW846-9010B
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		2.7 mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.0567 mg/L	0.01	SW846-9020B

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# Paducah-OREIS Data Report

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12/18/2007

**MW392**  
**21182**  
**MW392DSG3-07**

Collected: 4/9/2007

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	2	mg/L		2	SW846-9056
Chloride		46	mg/L		2	SW846-9056
Fluoride		0.24	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		6.5	mg/L		2	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010B
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic	U	0.01	mg/L		0.01	SW846-6020
Barium		0.246	mg/L		0.005	SW846-6020
Barium, Dissolved		0.219	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	BNU	0.2	mg/L		0.2	SW846-6010B
Cadmium	U	0.0006	mg/L		0.0006	SW846-6020
Calcium		25.8	mg/L		1	SW846-6010B
Chromium	U	0.1	mg/L		0.1	SW846-6020
Chromium, Dissolved	U	0.01	mg/L		0.01	SW846-6020
Cobalt	U	0.01	mg/L		0.01	SW846-6020
Copper	NU	0.2	mg/L		0.2	SW846-6020
Iron		1.76	mg/L		0.05	SW846-6010B
Lead	U	0.0013	mg/L		0.0013	SW846-6020
Magnesium		9.31	mg/L		0.025	SW846-6010B
Manganese	N	0.64	mg/L		0.05	SW846-6020
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470A
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	U	0.05	mg/L		0.05	SW846-6020
Potassium		1.83	mg/L		0.2	SW846-6010B
Rhodium	BU	0.005	mg/L		0.005	SW846-6020
Selenium	B	0.00697	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		44.1	mg/L		0.5	SW846-6010B
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	BU	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	BU	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.2	mg/L		0.2	SW846-6020
Zinc	NU	0.2	mg/L		0.2	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		30.13	Inches/Hg			
<b>PHYSC</b>						
Conductivity		434	umho/cm			
Depth to Water		36.98	ft			
Dissolved Oxygen		0.59	mg/L			
Dissolved Solids		216	mg/L		40	EPA-160.1
pH		6.28	Std Unit			
Redox		23	mV			
Suspended Solids	U	14	mg/L		14	EPA-160.2
Temperature		55.7	deg F			
Turbidity		22.7	NTU			

**MW392****21182****RADS**

Alpha activity	U	2.84	pCi/L	1.8	5.57	SW846-9310
Beta activity	U	2.92	pCi/L	0.644	4.97	SW846-9310
Iodine-131	U	-4.06	pCi/L	8.11	12.7	RL-7124
Radium-226	U	-0.0898	pCi/L	0.0773	0.785	RL-7129
Strontium-90	U	-0.182	pCi/L	0.0325	1.19	RL-7140
Technetium-99	U	-13.8	pCi/L	13.4	20	RL-7100
Thorium-230	U	0.0488	pCi/L	0.0755	0.328	RL-7128
Tritium	U	-47	pCi/L	150	250	704R8

**SVOA**

1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260

**VOA**

1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JU	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	U	0.01	mg/L		0.01	SW846-8260
Acrolein	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	JU	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	JU	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260

# Paducah-OREIS Data Report

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## MW392

## 21182

Trichloroethene		0.014 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Cyanide	U	0.05 mg/L	0.05	SW846-9010B
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		2.7 mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.0498 mg/L	0.01	SW846-9020B

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# Paducah-OREIS Data Report

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**MW393**  
**21182**  
**MW393SG3-07**

Collected: 4/9/2007

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	2	mg/L		2	SW846-9056
Chloride		19	mg/L		2	SW846-9056
Fluoride		0.15	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		5.7	mg/L		2	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010B
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic	U	0.01	mg/L		0.01	SW846-6020
Barium		0.0962	mg/L		0.005	SW846-6020
Barium, Dissolved		0.0885	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	BNU	0.2	mg/L		0.2	SW846-6010B
Cadmium	U	0.0006	mg/L		0.0006	SW846-6020
Calcium		11	mg/L		1	SW846-6010B
Chromium	U	0.1	mg/L		0.1	SW846-6020
Chromium, Dissolved	U	0.01	mg/L		0.01	SW846-6020
Cobalt	U	0.01	mg/L		0.01	SW846-6020
Copper	NU	0.2	mg/L		0.2	SW846-6020
Iron		3.61	mg/L		0.05	SW846-6010B
Lead	U	0.0013	mg/L		0.0013	SW846-6020
Magnesium		3.37	mg/L		0.025	SW846-6010B
Manganese	NU	0.05	mg/L		0.05	SW846-6020
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470A
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	U	0.05	mg/L		0.05	SW846-6020
Potassium		0.442	mg/L		0.2	SW846-6010B
Rhodium	BU	0.005	mg/L		0.005	SW846-6020
Selenium	BU	0.005	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		75.7	mg/L		0.5	SW846-6010B
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	BU	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	BU	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.2	mg/L		0.2	SW846-6020
Zinc	NU	0.2	mg/L		0.2	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		30.13	Inches/Hg			
<b>PHYSC</b>						
Conductivity		407	umho/cm			
Depth to Water		24.1	ft			
Dissolved Oxygen		0.76	mg/L			
Dissolved Solids		239	mg/L		40	EPA-160.1
pH		6.41	Std Unit			
Redox		-31	mV			
Suspended Solids	U	14	mg/L		14	EPA-160.2
Temperature		59.8	deg F			
Turbidity		9.8	NTU			

## MW393

## 21182

## RADS

Alpha activity	U	1.53	pCi/L	1.25	9.16	SW846-9310
Beta activity	U	-0.0293	pCi/L	0.0074	9.43	SW846-9310
Iodine-131	U	2.75	pCi/L	5.51	14.4	RL-7124
Radium-226	U	0.0271	pCi/L	0.0792	0.726	RL-7129
Strontium-90	U	-0.239	pCi/L	0.0435	1.19	RL-7140
Technetium-99	U	-7.02	pCi/L	13.7	20	RL-7100
Thorium-230	U	0.0411	pCi/L	0.0672	0.299	RL-7128
Tritium	U	-10.3	pCi/L	149	247	704R8

## SVOA

1,2-Dichlorobenzene	UX	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	UX	0.005	mg/L		0.005	SW846-8260

## VOA

1,1,1,2-Tetrachloroethane	UX	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	UX	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	UX	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	UX	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	UX	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	UX	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	UX	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JU	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	UX	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	UX	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	UX	0.005	mg/L		0.005	SW846-8260
2-Butanone	UX	0.01	mg/L		0.01	SW846-8260
2-Hexanone	UX	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	UX	0.01	mg/L		0.01	SW846-8260
Acetone	JUX	0.01	mg/L		0.01	SW846-8260
Acrolein	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	UX	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	UX	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	UX	0.005	mg/L		0.005	SW846-8260
Bromoform	UX	0.005	mg/L		0.005	SW846-8260
Bromomethane	UX	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	UX	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	UX	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	UX	0.005	mg/L		0.005	SW846-8260
Chloroethane	UX	0.005	mg/L		0.005	SW846-8260
Chloroform	UX	0.005	mg/L		0.005	SW846-8260
Chloromethane	UX	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	UX	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	UX	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	JUX	0.005	mg/L		0.005	SW846-8260
Dibromomethane	UX	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	UX	0.005	mg/L		0.005	SW846-8260
Iodomethane	JUX	0.005	mg/L		0.005	SW846-8260
Methylene chloride	UX	0.005	mg/L		0.005	SW846-8260
Styrene	UX	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	UX	0.005	mg/L		0.005	SW846-8260
Toluene	UX	0.005	mg/L		0.005	SW846-8260
Total Xylene	UX	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	UX	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	UX	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	UX	0.005	mg/L		0.005	SW846-8260

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## MW393

### 21182

Trichloroethene	UX	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	UX	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	UX	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	UX	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Cyanide	JU	0.05 mg/L	0.05	SW846-9010B
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		3.4 mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.0418 mg/L	0.01	SW846-9020B

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# Paducah-OREIS Data Report

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**MW394**

**21182**

**MW394SG3-07**

Collected: 4/10/2007

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	2	mg/L		2	SW846-9056
Chloride		56	mg/L		5	SW846-9056
Fluoride		0.15	mg/L		0.1	9214
Nitrate as Nitrogen		1.4	mg/L		1	SW846-9056
Sulfate		9.5	mg/L		2	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010B
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic	U	0.01	mg/L		0.01	SW846-6020
Barium		0.259	mg/L		0.005	SW846-6020
Barium, Dissolved		0.247	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	BNU	0.2	mg/L		0.2	SW846-6010B
Cadmium	U	0.0006	mg/L		0.0006	SW846-6020
Calcium		28.7	mg/L		1	SW846-6010B
Chromium	U	0.1	mg/L		0.1	SW846-6020
Chromium, Dissolved	U	0.01	mg/L		0.01	SW846-6020
Cobalt	U	0.01	mg/L		0.01	SW846-6020
Copper	NU	0.2	mg/L		0.2	SW846-6020
Iron		0.324	mg/L		0.05	SW846-6010B
Lead	U	0.0013	mg/L		0.0013	SW846-6020
Magnesium		11.3	mg/L		0.025	SW846-6010B
Manganese	NU	0.05	mg/L		0.05	SW846-6020
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470A
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	U	0.05	mg/L		0.05	SW846-6020
Potassium		1.23	mg/L		0.2	SW846-6010B
Rhodium	BU	0.005	mg/L		0.005	SW846-6020
Selenium	B	0.0134	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		30.9	mg/L		0.5	SW846-6010B
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	BU	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	BU	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.2	mg/L		0.2	SW846-6020
Zinc	NU	0.2	mg/L		0.2	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		30.03	Inches/Hg			
<b>PHYSC</b>						
Conductivity		429	umho/cm			
Depth to Water		49.33	ft			
Dissolved Oxygen		3.95	mg/L			
Dissolved Solids		242	mg/L		40	EPA-160.1
pH		6.05	Std Unit			
Redox		268	mV			
Suspended Solids	U	14	mg/L		14	EPA-160.2
Temperature		56.6	deg F			
Turbidity		5.1	NTU			

**MW394****21182****RADS**

Alpha activity	U	0.00851	pCi/L	0.0085	4.24	SW846-9310
Beta activity		4.47	pCi/L	1.03	4.42	SW846-9310
Iodine-131	U	-3.15	pCi/L	6.3	15.9	RL-7124
Radium-226	U	0.0262	pCi/L	0.0773	0.706	RL-7129
Strontium-90	U	-0.121	pCi/L	0.0214	1.19	RL-7140
Technetium-99	U	-2.9	pCi/L	13.9	20	RL-7100
Thorium-230	U	-0.0323	pCi/L	0.0257	0.299	RL-7128
Tritium	U	-109	pCi/L	149	250	704R8

**SVOA**

1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260

**VOA**

1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JU	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	JU	0.01	mg/L		0.01	SW846-8260
Acrolein	U	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	JU	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	JU	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260

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## MW394

### 21182

Trichloroethene		0.014 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Cyanide	U	0.05 mg/L	0.05	SW846-9010B
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.0198 mg/L	0.01	SW846-9020B

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# Paducah-OREIS Data Report

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**MW395**  
**21182**  
**MW395SG3-07**

Collected: 4/10/2007

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	2	mg/L		2	SW846-9056
Chloride		57	mg/L		5	SW846-9056
Fluoride		0.14	mg/L		0.1	9214
Nitrate as Nitrogen		2	mg/L		1	SW846-9056
Sulfate		9.7	mg/L		2	SW846-9056
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010B
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic		0.00257	mg/L		0.001	SW846-6020
Barium		0.268	mg/L		0.005	SW846-6020
Barium, Dissolved		0.257	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	BNU	0.2	mg/L		0.2	SW846-6010B
Cadmium	U	0.0006	mg/L		0.0006	SW846-6020
Calcium		29.9	mg/L		1	SW846-6010B
Chromium	U	0.01	mg/L		0.01	SW846-6020
Chromium, Dissolved	U	0.01	mg/L		0.01	SW846-6020
Cobalt	U	0.001	mg/L		0.001	SW846-6020
Copper	NU	0.02	mg/L		0.02	SW846-6020
Iron		0.181	mg/L		0.05	SW846-6010B
Lead	U	0.0013	mg/L		0.0013	SW846-6020
Magnesium		11.7	mg/L		0.025	SW846-6010B
Manganese	NU	0.005	mg/L		0.005	SW846-6020
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470A
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	U	0.005	mg/L		0.005	SW846-6020
Potassium		1.53	mg/L		0.2	SW846-6010B
Rhodium	BU	0.005	mg/L		0.005	SW846-6020
Selenium	B	0.0133	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		26.2	mg/L		0.5	SW846-6010B
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	BU	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	BU	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	NU	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		30.03	Inches/Hg			
<b>PHYSC</b>						
Conductivity		418	umho/cm			
Depth to Water		49.94	ft			
Dissolved Oxygen		3.81	mg/L			
Dissolved Solids		232	mg/L		40	EPA-160.1
pH		6.18	Std Unit			
Redox		195	mV			
Suspended Solids	U	14	mg/L		14	EPA-160.2
Temperature		59.1	deg F			
Turbidity		3.6	NTU			

## MW395

## 21182

## RADS

Alpha activity	U	1.68	pCi/L	1.12	4.09	SW846-9310
Beta activity		10.3	pCi/L	1.94	4.36	SW846-9310
Iodine-131	U	-1.16	pCi/L	2.33	10.1	RL-7124
Radium-226	U	0.0491	pCi/L	0.123	0.725	RL-7129
Strontium-90	U	0.0572	pCi/L	0.0097	1.14	RL-7140
Technetium-99	U	6.02	pCi/L	14.1	20	RL-7100
Thorium-230	U	0.0523	pCi/L	0.0793	0.32	RL-7128
Tritium	U	-110	pCi/L	147	246	704R8

## SVOA

1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260

## VOA

1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	JU	0.01	mg/L		0.01	SW846-8260
Acrolein	U	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	JU	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	JU	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260

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## 21182

Trichloroethene		0.0076 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Cyanide	U	0.05 mg/L	0.05	SW846-9010B
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.01 mg/L	0.01	SW846-9020B

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# Paducah-OREIS Data Report

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**MW396**

**21182**

**MW396SG3-07**

Collected: 4/10/2007

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	2	mg/L		2	SW846-9056
Chloride		100	mg/L		10	SW846-9056
Fluoride		0.51	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		17	mg/L		2	SW846-9056
<b>METAL</b>						
Aluminum		0.324	mg/L		0.2	SW846-6010B
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic	U	0.01	mg/L		0.01	SW846-6020
Barium		0.394	mg/L		0.005	SW846-6020
Barium, Dissolved		0.372	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	BNU	0.2	mg/L		0.2	SW846-6010B
Cadmium	U	0.0006	mg/L		0.0006	SW846-6020
Calcium		38.8	mg/L		1	SW846-6010B
Chromium	U	0.1	mg/L		0.1	SW846-6020
Chromium, Dissolved	U	0.1	mg/L		0.1	SW846-6020
Cobalt	U	0.01	mg/L		0.01	SW846-6020
Copper	NU	0.2	mg/L		0.2	SW846-6020
Iron		0.812	mg/L		0.05	SW846-6010B
Lead	U	0.0013	mg/L		0.0013	SW846-6020
Magnesium		16.5	mg/L		0.025	SW846-6010B
Manganese	N	0.471	mg/L		0.05	SW846-6020
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470A
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	U	0.05	mg/L		0.05	SW846-6020
Potassium		1.05	mg/L		0.2	SW846-6010B
Rhodium	BU	0.005	mg/L		0.005	SW846-6020
Selenium	B	0.0154	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		120	mg/L		5	SW846-6010B
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	BU	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	BU	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.2	mg/L		0.2	SW846-6020
Zinc	NU	0.2	mg/L		0.2	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		30.03	Inches/Hg			
<b>PHYSC</b>						
Conductivity		935	umho/cm			
Depth to Water		4.87	ft			
Dissolved Oxygen		0.55	mg/L			
Dissolved Solids		505	mg/L		40	EPA-160.1
pH		6.55	Std Unit			
Redox		24.8	mV			
Suspended Solids	U	14	mg/L		14	EPA-160.2
Temperature		58.4	deg F			
Turbidity		-57	NTU			

## MW396

## 21182

## RADS

Alpha activity	U	-0.287	pCi/L	0.331	5.64	SW846-9310
Beta activity	U	2.18	pCi/L	0.572	5.35	SW846-9310
Iodine-131	U	5	pCi/L	10	11.4	RL-7124
Radium-226	U	0.0301	pCi/L	0.0852	0.732	RL-7129
Strontium-90	U	-0.486	pCi/L	0.0959	1.17	RL-7140
Technetium-99	U	-10	pCi/L	13.5	20	RL-7100
Thorium-230	U	0.00263	pCi/L	0.0562	0.338	RL-7128
Tritium	U	-17.1	pCi/L	148	247	704R8

## SVOA

1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260

## VOA

1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JU	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	JU	0.01	mg/L		0.01	SW846-8260
Acrolein	U	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	JU	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	JU	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260



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## MW396

### 21182

Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Cyanide	U	0.05 mg/L	0.05	SW846-9010B
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		7 mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.118 mg/L	0.01	SW846-9020B

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# Paducah-OREIS Data Report

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**MW397**  
**21182**  
**MW397SG3-07**

Collected: 4/10/2007

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	2	mg/L		2	SW846-9056
Chloride		46	mg/L		2	SW846-9056
Fluoride		0.14	mg/L		0.1	9214
Nitrate as Nitrogen		1.9	mg/L		1	SW846-9056
Sulfate		12	mg/L		2	SW846-9056
<b>METAL</b>						
Aluminum		0.479	mg/L		0.2	SW846-6010B
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic		0.00227	mg/L		0.001	SW846-6020
Barium		0.162	mg/L		0.005	SW846-6020
Barium, Dissolved		0.156	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	BNU	0.2	mg/L		0.2	SW846-6010B
Cadmium	U	0.0006	mg/L		0.0006	SW846-6020
Calcium		20.6	mg/L		1	SW846-6010B
Chromium	U	0.01	mg/L		0.01	SW846-6020
Chromium, Dissolved	U	0.01	mg/L		0.01	SW846-6020
Cobalt	U	0.001	mg/L		0.001	SW846-6020
Copper	NU	0.02	mg/L		0.02	SW846-6020
Iron		0.457	mg/L		0.05	SW846-6010B
Lead	U	0.0013	mg/L		0.0013	SW846-6020
Magnesium		8.14	mg/L		0.025	SW846-6010B
Manganese	N	0.00522	mg/L		0.005	SW846-6020
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470A
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	U	0.005	mg/L		0.005	SW846-6020
Potassium		1.95	mg/L		0.2	SW846-6010B
Rhodium	BU	0.005	mg/L		0.005	SW846-6020
Selenium	B	0.0122	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		34.3	mg/L		0.5	SW846-6010B
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.002	mg/L		0.002	SW846-6020
Uranium	BU	0.001	mg/L		0.001	SW846-6020
Uranium, Dissolved	BU	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	NU	0.02	mg/L		0.02	SW846-6020
<b>METEO</b>						
Barometric Pressure Reading		30.03	Inches/Hg			
<b>PHYSC</b>						
Conductivity		363	umho/cm			
Depth to Water		57.78	ft			
Dissolved Oxygen		5.73	mg/L			
Dissolved Solids		197	mg/L		40	EPA-160.1
pH		6.13	Std Unit			
Redox		220	mV			
Suspended Solids	U	14	mg/L		14	EPA-160.2
Temperature		60.7	deg F			
Turbidity		11.4	NTU			

# Paducah-OREIS Data Report

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## MW397

### 21182

#### RADS

Alpha activity	U	0.984	pCi/L	0.744	4.15	SW846-9310
Beta activity		8.49	pCi/L	1.69	4.39	SW846-9310
Iodine-131	U	3.88	pCi/L	7.76	14.5	RL-7124
Radium-226	U	0.0512	pCi/L	0.127	0.754	RL-7129
Strontium-90	U	-0.494	pCi/L	0.0974	1.23	RL-7140
Technetium-99	U	4.51	pCi/L	14.1	20	RL-7100
Thorium-230	U	0.0555	pCi/L	0.0538	0.295	RL-7128
Tritium	U	-24.9	pCi/L	133	224	704R8

#### SVOA

1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260

#### VOA

1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	JU	0.01	mg/L		0.01	SW846-8260
Acrolein	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	JU	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	JU	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260

# Paducah-OREIS Data Report

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## MW397

### 21182

Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Cyanide	U	0.05 mg/L	0.05	SW846-9010B
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.01 mg/L	0.01	SW846-9020B

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# Paducah-OREIS Data Report

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**MW245**  
**21190**  
**MW245QS2-07**

Collected: 5/8/2007

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>METEO</b>						
Barometric Pressure Reading		30.15	Inches/Hg			
<b>PHYSC</b>						
Conductivity		357	umho/cm			
Depth to Water		40.13	ft			
Dissolved Oxygen		1.1	mg/L			
pH		6.16	Std Unit			
Redox		129	mV			
Temperature		66	deg F			
Turbidity		139	NTU			
<b>RADS</b>						
Alpha activity	U	2.14	pCi/L	1.36	4.17	SW846-9310
Beta activity	U	2.64	pCi/L	0.66	4.3	SW846-9310
Technetium-99	U	-8.49	pCi/L	12.7	19	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chloroform	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene		0.12	mg/L		0.001	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260

# Paducah-OREIS Data Report

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12/18/2007

**MW185**  
**21220**  
**MW185ENZ5-07**

Collected: 5/23/2007

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		57	mg/L		10	SW846-9056
Nitrate		7.5	mg/L		4.4	SW846-9056
Orthophosphate	U	3.1	mg/L		3.1	SW846-9056
Sulfate		12	mg/L		2	SW846-9056
<b>METAL</b>						
Calcium		39	mg/L		1	SW846-6010B
Copper	BU	0.025	mg/L		0.025	SW846-6010B
Copper, Dissolved	BU	0.025	mg/L		0.025	SW846-6010B
Iron (2+)	U	0.02	mg/L		0.02	SM-3500-Fe D
Magnesium		11.9	mg/L		0.025	SW846-6010B
Potassium	U	2	mg/L		2	SW846-6010B
Sodium		31.2	mg/L		2	SW846-6010B
<b>PHYSC</b>						
Conductivity		437	umho/cm			
Dissolved Oxygen		1.96	mg/L			
pH		6.08	Std Unit			
Redox		527	mV			
Temperature		70.3	deg F			
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.12	mg/L		0.12	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.12	mg/L		0.12	SW846-8260
1,1,2-Trichloroethane	U	0.12	mg/L		0.12	SW846-8260
1,1-Dichloroethane	U	0.12	mg/L		0.12	SW846-8260
1,1-Dichloroethene	U	0.12	mg/L		0.12	SW846-8260
1,2-Dichloroethane	U	0.12	mg/L		0.12	SW846-8260
1,2-Dichloropropane	U	0.12	mg/L		0.12	SW846-8260
1,2-Dimethylbenzene	U	0.12	mg/L		0.12	SW846-8260
2-Butanone	U	0.25	mg/L		0.25	SW846-8260
2-Hexanone	U	0.25	mg/L		0.25	SW846-8260
4-Methyl-2-pentanone	U	0.25	mg/L		0.25	SW846-8260
Acetone	JU	0.25	mg/L		0.25	SW846-8260
Benzene	U	0.12	mg/L		0.12	SW846-8260
Bromodichloromethane	U	0.12	mg/L		0.12	SW846-8260
Bromoform	U	0.12	mg/L		0.12	SW846-8260
Bromomethane	U	0.12	mg/L		0.12	SW846-8260
Carbon disulfide	U	0.12	mg/L		0.12	SW846-8260
Carbon tetrachloride	U	0.12	mg/L		0.12	SW846-8260
Chlorobenzene	U	0.12	mg/L		0.12	SW846-8260
Chloroethane	U	0.12	mg/L		0.12	SW846-8260
Chloroform	U	0.12	mg/L		0.12	SW846-8260
Chloromethane	JU	0.12	mg/L		0.12	SW846-8260
cis-1,2-Dichloroethene	D	0.14	mg/L		0.12	SW846-8260
cis-1,3-Dichloropropene	U	0.12	mg/L		0.12	SW846-8260
CO2		74.1	mg/L		13.48	RSK175
Dibromochloromethane	U	0.12	mg/L		0.12	SW846-8260
Ethylbenzene	U	0.12	mg/L		0.12	SW846-8260
m,p-Xylene	U	0.25	mg/L		0.25	SW846-8260
Methane	U	0.00032	mg/L		0.0003	RSK175
Methylene chloride	U	0.12	mg/L		0.12	SW846-8260

# Paducah-OREIS Data Report

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## MW185

### 21220

Styrene	U	0.12 mg/L	0.12	SW846-8260
Tetrachloroethene	U	0.12 mg/L	0.12	SW846-8260
Toluene	U	0.12 mg/L	0.12	SW846-8260
Total Xylene	U	0.38 mg/L	0.38	SW846-8260
trans-1,2-Dichloroethene	U	0.12 mg/L	0.12	SW846-8260
trans-1,3-Dichloropropene	U	0.12 mg/L	0.12	SW846-8260
Trichloroethene	D	3.3 mg/L	0.025	SW846-8260
Vinyl acetate	U	0.25 mg/L	0.25	SW846-8260
Vinyl chloride	U	0.05 mg/L	0.05	SW846-8260
<b>WETCHEM</b>				
Alkalinity		109 mg/L	10	EPA-310.1
Bicarbonate as CaCO3		109 mg/L	10	SM-2320 B 17
Carbonate as CaCO3	U	10 mg/L	10	SM-2320 B 17
Dissolved Organic Carbon	U	1 mg/L	1	SW846-9060
Phosphate as Phosphorous	U	1 mg/L	1	SW846-9056
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060

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# Paducah-OREIS Data Report

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**MW340**  
**21220**  
**MW340ENZ5-07**

Collected: 5/23/2007

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		61	mg/L		10	SW846-9056
Nitrate		7.2	mg/L		4.4	SW846-9056
Orthophosphate	U	3.1	mg/L		3.1	SW846-9056
Sulfate		28	mg/L		2	SW846-9056
<b>METAL</b>						
Calcium		31.2	mg/L		1	SW846-6010B
Copper	BU	0.025	mg/L		0.025	SW846-6010B
Copper, Dissolved	BU	0.025	mg/L		0.025	SW846-6010B
Iron (2+)	U	0.02	mg/L		0.02	SM-3500-Fe D
Magnesium		12.4	mg/L		0.025	SW846-6010B
Potassium	U	2	mg/L		2	SW846-6010B
Sodium		44.1	mg/L		2	SW846-6010B
<b>PHYSC</b>						
Conductivity		460	umho/cm			
Dissolved Oxygen		3.51	mg/L			
pH		5.94	Std Unit			
Redox		367	mV			
Temperature		74.1	deg F			
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.25	mg/L		0.25	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.25	mg/L		0.25	SW846-8260
1,1,2-Trichloroethane	U	0.25	mg/L		0.25	SW846-8260
1,1-Dichloroethane	U	0.25	mg/L		0.25	SW846-8260
1,1-Dichloroethene	U	0.25	mg/L		0.25	SW846-8260
1,2-Dichloroethane	U	0.25	mg/L		0.25	SW846-8260
1,2-Dichloropropane	U	0.25	mg/L		0.25	SW846-8260
1,2-Dimethylbenzene	U	0.25	mg/L		0.25	SW846-8260
2-Butanone	U	0.5	mg/L		0.5	SW846-8260
2-Hexanone	U	0.5	mg/L		0.5	SW846-8260
4-Methyl-2-pentanone	U	0.5	mg/L		0.5	SW846-8260
Acetone	JU	0.5	mg/L		0.5	SW846-8260
Benzene	U	0.25	mg/L		0.25	SW846-8260
Bromodichloromethane	U	0.25	mg/L		0.25	SW846-8260
Bromoform	U	0.25	mg/L		0.25	SW846-8260
Bromomethane	U	0.25	mg/L		0.25	SW846-8260
Carbon disulfide	U	0.25	mg/L		0.25	SW846-8260
Carbon tetrachloride	U	0.25	mg/L		0.25	SW846-8260
Chlorobenzene	U	0.25	mg/L		0.25	SW846-8260
Chloroethane	U	0.25	mg/L		0.25	SW846-8260
Chloroform	U	0.25	mg/L		0.25	SW846-8260
Chloromethane	JU	0.25	mg/L		0.25	SW846-8260
cis-1,2-Dichloroethene	U	0.25	mg/L		0.25	SW846-8260
cis-1,3-Dichloropropene	U	0.25	mg/L		0.25	SW846-8260
CO2		204	mg/L		13.48	RSK175
Dibromochloromethane	U	0.25	mg/L		0.25	SW846-8260
Ethylbenzene	U	0.25	mg/L		0.25	SW846-8260
m,p-Xylene	U	0.5	mg/L		0.5	SW846-8260
Methane	U	0.00032	mg/L		0.0003	RSK175
Methylene chloride	U	0.25	mg/L		0.25	SW846-8260



# Paducah-OREIS Data Report

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## MW340

### 21220

Styrene	U	0.25 mg/L	0.25	SW846-8260
Tetrachloroethene	U	0.25 mg/L	0.25	SW846-8260
Toluene	U	0.25 mg/L	0.25	SW846-8260
Total Xylene	U	0.75 mg/L	0.75	SW846-8260
trans-1,2-Dichloroethene	U	0.25 mg/L	0.25	SW846-8260
trans-1,3-Dichloropropene	U	0.25 mg/L	0.25	SW846-8260
Trichloroethene	D	6.5 mg/L	0.05	SW846-8260
Vinyl acetate	U	0.5 mg/L	0.5	SW846-8260
Vinyl chloride	U	0.1 mg/L	0.1	SW846-8260
<b>WETCHEM</b>				
Alkalinity		109 mg/L	10	EPA-310.1
Bicarbonate as CaCO3		109 mg/L	10	SM-2320 B 17
Carbonate as CaCO3	U	10 mg/L	10	SM-2320 B 17
Dissolved Organic Carbon	U	1 mg/L	1	SW846-9060
Phosphate as Phosphorous	U	1 mg/L	1	SW846-9056
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060

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# Paducah-OREIS Data Report

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**MW66**

**21220**

**MW66ENZ5-07**

Collected: 5/15/2007

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		13	mg/L		2	SW846-9056
Nitrate		5.8	mg/L		4.4	SW846-9056
Orthophosphate	BUX	3.1	mg/L		3.1	SW846-9056
Sulfate		11	mg/L		2	SW846-9056
<b>METAL</b>						
Calcium		18.8	mg/L		1	SW846-6010B
Copper	BU	0.025	mg/L		0.025	SW846-6010B
Copper, Dissolved	BU	0.025	mg/L		0.025	SW846-6010B
Iron (2+)		0.0353	mg/L		0.02	SM-3500-Fe D
Magnesium		6.21	mg/L		0.025	SW846-6010B
Potassium	U	2	mg/L		2	SW846-6010B
Sodium		16.2	mg/L		2	SW846-6010B
<b>PHYSC</b>						
Conductivity		213	umho/cm			
Dissolved Oxygen		5.78	mg/L			
pH		6.01	Std Unit			
Redox		304	mV			
Temperature		65.9	deg F			
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.1	mg/L		0.1	SW846-8260
1,1,1,2-Tetrachloroethane	U	0.1	mg/L		0.1	SW846-8260
1,1,2-Trichloroethane	U	0.1	mg/L		0.1	SW846-8260
1,1-Dichloroethane	U	0.1	mg/L		0.1	SW846-8260
1,1-Dichloroethene	U	0.1	mg/L		0.1	SW846-8260
1,2-Dichloroethane	U	0.1	mg/L		0.1	SW846-8260
1,2-Dichloropropane	U	0.1	mg/L		0.1	SW846-8260
1,2-Dimethylbenzene	U	0.1	mg/L		0.1	SW846-8260
2-Butanone	U	0.2	mg/L		0.2	SW846-8260
2-Hexanone	U	0.2	mg/L		0.2	SW846-8260
4-Methyl-2-pentanone	U	0.2	mg/L		0.2	SW846-8260
Acetone	U	0.2	mg/L		0.2	SW846-8260
Benzene	U	0.1	mg/L		0.1	SW846-8260
Bromodichloromethane	U	0.1	mg/L		0.1	SW846-8260
Bromoform	U	0.1	mg/L		0.1	SW846-8260
Bromomethane	U	0.1	mg/L		0.1	SW846-8260
Carbon disulfide	U	0.1	mg/L		0.1	SW846-8260
Carbon tetrachloride	U	0.1	mg/L		0.1	SW846-8260
Chlorobenzene	U	0.1	mg/L		0.1	SW846-8260
Chloroethane	U	0.1	mg/L		0.1	SW846-8260
Chloroform	U	0.1	mg/L		0.1	SW846-8260
Chloromethane	U	0.1	mg/L		0.1	SW846-8260
cis-1,2-Dichloroethene	U	0.1	mg/L		0.1	SW846-8260
cis-1,3-Dichloropropene	U	0.1	mg/L		0.1	SW846-8260
CO2		57.4	mg/L		13.48	RSK175
Dibromochloromethane	U	0.1	mg/L		0.1	SW846-8260
Ethylbenzene	U	0.1	mg/L		0.1	SW846-8260
m,p-Xylene	U	0.2	mg/L		0.2	SW846-8260
Methane	U	0.00032	mg/L		0.0003	RSK175
Methylene chloride	U	0.1	mg/L		0.1	SW846-8260

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## MW66

### 21220

Styrene	U	0.1 mg/L	0.1	SW846-8260
Tetrachloroethene	U	0.1 mg/L	0.1	SW846-8260
Toluene	U	0.1 mg/L	0.1	SW846-8260
Total Xylene	U	0.3 mg/L	0.3	SW846-8260
trans-1,2-Dichloroethene	U	0.1 mg/L	0.1	SW846-8260
trans-1,3-Dichloropropene	U	0.1 mg/L	0.1	SW846-8260
Trichloroethene	D	0.7 mg/L	0.02	SW846-8260
Vinyl acetate	U	0.2 mg/L	0.2	SW846-8260
Vinyl chloride	U	0.04 mg/L	0.04	SW846-8260
<b>WETCHEM</b>				
Alkalinity		72 mg/L	10	EPA-310.1
Bicarbonate as CaCO <sub>3</sub>		72 mg/L	10	SM-2320 B 17
Carbonate as CaCO <sub>3</sub>	U	10 mg/L	10	SM-2320 B 17
Dissolved Organic Carbon	U	1 mg/L	1	SW846-9060
Phosphate as Phosphorous	BUX	1 mg/L	1	SW846-9056
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060

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# Paducah-OREIS Data Report

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**MW226**

**404G00-01**

## C404 SEMI-ANNUAL MONITORING - JANUARY 404G00-01

**MW226C4041-00**

Collected: 1/11/2000

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.91	Inches/Hg			
Conductivity		341	umho/cm			
Depth to Water		54.9	ft			
Dissolved Oxygen		0.73	mg/L			
pH		5.86	Std Unit			
Temperature		61	deg F			
<b>METAL</b>						
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium	B	0.065	mg/L		0.05	SW846-6010A
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470
Selenium	UW	0.005	mg/L		0.005	SW846-7740
<b>METAL-D</b>						
Chromium	BU	0.05	mg/L		0.05	SW846-6010A
<b>VOA</b>						
Trichloroethene	X	0.071	mg/L		0.001	SW846-8260

MW227

404G00-01

C404 SEMI-ANNUAL MONITORING - JANUARY 404G00-01

MW227C4041-00

Collected: 1/11/2000

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.91	Inches/Hg			
Conductivity		255	umho/cm			
Depth to Water		55	ft			
Dissolved Oxygen		4.92	mg/L			
pH		6	Std Unit			
Temperature		60.6	deg F			
<b>METAL</b>						
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium	B	0.055	mg/L		0.05	SW846-6010A
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470
Selenium	UW	0.005	mg/L		0.005	SW846-7740
<b>METAL-D</b>						
Chromium	BU	0.05	mg/L		0.05	SW846-6010A
<b>VOA</b>						
Trichloroethene		0.003	mg/L		0.001	SW846-8260

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**MW84**

**404G00-01**

## C404 SEMI-ANNUAL MONITORING - JANUARY 404G00-01

**MW84C4041-00**

Collected: 1/11/2000

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.91	Inches/Hg			
Conductivity		212	umho/cm			
Depth to Water		52.63	ft			
Dissolved Oxygen		1.57	mg/L			
pH		5.91	Std Unit			
Temperature		61.6	deg F			
<b>METAL</b>						
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium	BU	0.05	mg/L		0.05	SW846-6010A
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470
Selenium	UW	0.005	mg/L		0.005	SW846-7740
<b>VOA</b>						
Trichloroethene		0.012	mg/L		0.001	SW846-8260

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**MW85**

**404G00-01**

## C404 SEMI-ANNUAL MONITORING - JANUARY 404G00-01

**MW85C4041-00**

Collected: 1/11/2000

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.91	Inches/Hg			
Conductivity		367	umho/cm			
Depth to Water		14.75	ft			
Dissolved Oxygen		3.25	mg/L			
pH		6.24	Std Unit			
Temperature		61.8	deg F			
<b>METAL</b>						
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium	BU	0.05	mg/L		0.05	SW846-6010A
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470
Selenium	UW	0.005	mg/L		0.005	SW846-7740
<b>VOA</b>						
Trichloroethene		0.001	mg/L		0.001	SW846-8260

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**MW86**

**404G00-01**

## C404 SEMI-ANNUAL MONITORING - JANUARY 404G00-01

**MW86C4041-00**

Collected: 1/11/2000

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.91	Inches/Hg			
Conductivity		212	umho/cm			
Depth to Water		52.51	ft			
Dissolved Oxygen		1.28	mg/L			
pH		5.9	Std Unit			
Temperature		62.1	deg F			
<b>METAL</b>						
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium	BU	0.05	mg/L		0.05	SW846-6010A
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470
Selenium	UW	0.005	mg/L		0.005	SW846-7740
<b>VOA</b>						
Trichloroethene		0.008	mg/L		0.001	SW846-8260



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**MW87**

**404G00-01**

## C404 SEMI-ANNUAL MONITORING - JANUARY 404G00-01

**MW87C4041-00**

Collected: 1/12/2000

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.94	Inches/Hg			
Conductivity		228	umho/cm			
Depth to Water		52.5	ft			
Dissolved Oxygen		3.01	mg/L			
pH		5.91	Std Unit			
Temperature		60.3	deg F			
<b>METAL</b>						
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium	BU	0.05	mg/L		0.05	SW846-6010A
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470
Selenium	UW	0.005	mg/L		0.005	SW846-7740
<b>VOA</b>						
Trichloroethene		0.001	mg/L		0.001	SW846-8260

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**MW88**

**404G00-01**

## C404 SEMI-ANNUAL MONITORING - JANUARY 404G00-01

**MW88C4041-00**

Collected: 1/12/2000

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.94	Inches/Hg			
Conductivity		641	umho/cm			
Depth to Water		14.26	ft			
Dissolved Oxygen		0.8	mg/L			
pH		5.59	Std Unit			
Temperature		62.7	deg F			
<b>METAL</b>						
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium	BU	0.05	mg/L		0.05	SW846-6010A
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470
Selenium	UW	0.005	mg/L		0.005	SW846-7740
<b>VOA</b>						
Trichloroethene		0.024	mg/L		0.001	SW846-8260

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**MW89**

**404G00-01**

## C404 SEMI-ANNUAL MONITORING - JANUARY 404G00-01

**MW89C4041-00**

Collected: 1/12/2000

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.94	Inches/Hg			
Conductivity		186	umho/cm			
Depth to Water		52.38	ft			
Dissolved Oxygen		1.24	mg/L			
pH		5.72	Std Unit			
Temperature		62.2	deg F			
<b>METAL</b>						
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium	BU	0.05	mg/L		0.05	SW846-6010A
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470
Selenium	UW	0.005	mg/L		0.005	SW846-7740
<b>VOA</b>						
Trichloroethene	U	0.001	mg/L		0.001	SW846-8260

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**MW90**

**404G00-01**

## C404 SEMI-ANNUAL MONITORING - JANUARY 404G00-01

**MW90C4041-00**

Collected: 1/10/2000

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.65	Inches/Hg			
Conductivity		182	umho/cm			
Depth to Water		50.8	ft			
Dissolved Oxygen		8.87	mg/L			
pH		5.82	Std Unit			
Temperature		62	deg F			
<b>METAL</b>						
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium	BU	0.05	mg/L		0.05	SW846-6010A
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470
Selenium	UW	0.005	mg/L		0.005	SW846-7740
<b>VOA</b>						
Trichloroethene		0.002	mg/L		0.001	SW846-8260

**MW91**

**404G00-01**

**C404 SEMI-ANNUAL MONITORING - JANUARY 404G00-01**

**MW91C4041-00**

Collected: 1/10/2000

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.65	Inches/Hg			
Conductivity		455	umho/cm			
Depth to Water		10.9	ft			
Dissolved Oxygen		5.67	mg/L			
pH		5.84	Std Unit			
Temperature		63.4	deg F			
<b>METAL</b>						
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium		0.308	mg/L		0.05	SW846-6010A
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470
Selenium	UW	0.005	mg/L		0.005	SW846-7740
<b>METAL-D</b>						
Chromium	BU	0.05	mg/L		0.05	SW846-6010A
<b>VOA</b>						
Trichloroethene		0.057	mg/L		0.001	SW846-8260

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## MW92

### 404G00-01

## C404 SEMI-ANNUAL MONITORING - JANUARY 404G00-01

### MW92C4041-00

Collected: 1/10/2000

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.65	Inches/Hg			
Conductivity		139.4	umho/cm			
Depth to Water		50.82	ft			
Dissolved Oxygen		4.2	mg/L			
pH		5.64	Std Unit			
Temperature		61	deg F			
<b>METAL</b>						
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium	BU	0.05	mg/L		0.05	SW846-6010A
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470
Selenium	UW	0.005	mg/L		0.005	SW846-7740
<b>VOA</b>						
Trichloroethene	UX	0.001	mg/L		0.001	SW846-8260

### MW92DC4041-00

Collected: 1/10/2000

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.65	Inches/Hg			
Conductivity		139.4	umho/cm			
Depth to Water		50.82	ft			
Dissolved Oxygen		4.2	mg/L			
pH		5.64	Std Unit			
Temperature		61	deg F			
<b>METAL</b>						
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium	BU	0.05	mg/L		0.05	SW846-6010A
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470
Selenium	UW	0.005	mg/L		0.005	SW846-7740
<b>VOA</b>						
Trichloroethene	U	0.001	mg/L		0.001	SW846-8260

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**MW93**

**404G00-01**

## C404 SEMI-ANNUAL MONITORING - JANUARY 404G00-01

**MW93C4041-00**

Collected: 1/11/2000

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.91	Inches/Hg			
Conductivity		218	umho/cm			
Depth to Water		54.15	ft			
Dissolved Oxygen		1.87	mg/L			
pH		5.86	Std Unit			
Temperature		60.9	deg F			
<b>METAL</b>						
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium	BU	0.05	mg/L		0.05	SW846-6010A
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470
Selenium	UW	0.005	mg/L		0.005	SW846-7740
<b>VOA</b>						
Trichloroethene		0.014	mg/L		0.001	SW846-8260

**MW94**

**404G00-01**

**C404 SEMI-ANNUAL MONITORING - JANUARY 404G00-01**

**MW94C4041-00**

Collected: 1/10/2000

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.65	Inches/Hg			
Conductivity		1181	umho/cm			
Depth to Water		16.8	ft			
Dissolved Oxygen		3.37	mg/L			
pH		6.07	Std Unit			
Temperature		61.7	deg F			
<b>METAL</b>						
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium		0.318	mg/L		0.05	SW846-6010A
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470
Selenium	UW	0.005	mg/L		0.005	SW846-7740
<b>METAL-D</b>						
Chromium	BU	0.05	mg/L		0.05	SW846-6010A
<b>VOA</b>						
Trichloroethene		0.02	mg/L		0.001	SW846-8260



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**MW95**

**404G00-01**

## C404 SEMI-ANNUAL MONITORING - JANUARY 404G00-01

**MW95C4041-00**

Collected: 1/10/2000

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.65	Inches/Hg			
Conductivity		233	umho/cm			
Depth to Water		53.58	ft			
Dissolved Oxygen		4.07	mg/L			
pH		5.88	Std Unit			
Temperature		60.7	deg F			
<b>METAL</b>						
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium	BU	0.05	mg/L		0.05	SW846-6010A
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470
Selenium	UW	0.005	mg/L		0.005	SW846-7740
<b>VOA</b>						
Trichloroethene		0.013	mg/L		0.001	SW846-8260

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**MW226**

**404G00-02**

## C404 SEMI-ANNUAL MONITORING-JULY 404G00-02

**MW226C4042-00**

Collected: 7/12/2000

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.88	Inches/Hg			
Conductivity		324	umho/cm			
Depth to Water		53.6	ft			
Dissolved Oxygen		0.51	mg/L			
pH		5.95	Std Unit			
Temperature		65.4	deg F			
<b>METAL</b>						
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium		0.113	mg/L		0.025	SW846-6010A
Uranium	UU	0.05	mg/L		0.05	AS7300
<b>METAL-D</b>						
Chromium, Dissolved	U	0.025	mg/L		0.025	SW846-6010A
<b>RADS</b>						
Technetium-99		148	pCi/L	15.2	16	RL-7100
<b>VOA</b>						
Trichloroethene	X	0.061	mg/L		0.001	SW846-8260

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**MW227**

**404G00-02**

## C404 SEMI-ANNUAL MONITORING-JULY 404G00-02

**MW227C4042-00**

Collected: 7/12/2000

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.88	Inches/Hg			
Conductivity		247	umho/cm			
Depth to Water		53.77	ft			
Dissolved Oxygen		4.89	mg/L			
pH		6.08	Std Unit			
Temperature		65.4	deg F			
<b>METAL</b>						
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.025	mg/L		0.025	SW846-6010A
Uranium	UU	0.05	mg/L		0.05	AS7300
<b>RADS</b>						
Technetium-99	U	3.92	pCi/L	10.8	16.1	RL-7100
<b>VOA</b>						
Trichloroethene		0.006	mg/L		0.001	SW846-8260

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**MW84**

**404G00-02**

## C404 SEMI-ANNUAL MONITORING-JULY 404G00-02

**MW84C4042-00**

Collected: 7/10/2000

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.91	Inches/Hg			
Conductivity		214	umho/cm			
Depth to Water		51.27	ft			
Dissolved Oxygen		1.1	mg/L			
pH		6.1	Std Unit			
Temperature		65.3	deg F			
<b>METAL</b>						
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.025	mg/L		0.025	SW846-6010A
Uranium	UU	0.05	mg/L		0.05	AS7300
<b>RADS</b>						
Technetium-99	U	6.16	pCi/L	10.7	16	RL-7100
<b>VOA</b>						
Trichloroethene		0.017	mg/L		0.001	SW846-8260

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**MW85**

**404G00-02**

## C404 SEMI-ANNUAL MONITORING-JULY 404G00-02

**MW85C4042-00**

Collected: 7/10/2000

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.91	Inches/Hg			
Conductivity		390	umho/cm			
Depth to Water		14.51	ft			
Dissolved Oxygen		3.94	mg/L			
pH		6.42	Std Unit			
Temperature		67.3	deg F			
<b>METAL</b>						
Arsenic		0.007	mg/L		0.005	SW846-7060
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.025	mg/L		0.025	SW846-6010A
Uranium	UU	0.05	mg/L		0.05	AS7300
<b>METAL-D</b>						
Arsenic, Dissolved	U	0.005	mg/L		0.005	SW846-7060
<b>RADS</b>						
Technetium-99		302	pCi/L	18.9	16	RL-7100
<b>VOA</b>						
Trichloroethene		0.005	mg/L		0.001	SW846-8260

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**MW86**

**404G00-02**

## C404 SEMI-ANNUAL MONITORING-JULY 404G00-02

**MW86C4042-00**

Collected: 7/10/2000

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.91	Inches/Hg			
Conductivity		216	umho/cm			
Depth to Water		51.2	ft			
Dissolved Oxygen		1.13	mg/L			
pH		6.11	Std Unit			
Temperature		70.6	deg F			
<b>METAL</b>						
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.025	mg/L		0.025	SW846-6010A
Uranium	UU	0.05	mg/L		0.05	AS7300
<b>RADS</b>						
Technetium-99	U	3.98	pCi/L	10.7	16	RL-7100
<b>VOA</b>						
Trichloroethene		0.006	mg/L		0.001	SW846-8260

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**MW87**

**404G00-02**

## C404 SEMI-ANNUAL MONITORING-JULY 404G00-02

**MW87C4042-00**

Collected: 7/11/2000

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.94	Inches/Hg			
Conductivity		237	umho/cm			
Depth to Water		51.16	ft			
Dissolved Oxygen		2.29	mg/L			
pH		6.09	Std Unit			
Temperature		67.3	deg F			
<b>METAL</b>						
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.025	mg/L		0.025	SW846-6010A
Uranium	UU	0.05	mg/L		0.05	AS7300
<b>RADS</b>						
Technetium-99	U	4.58	pCi/L	10.6	16	RL-7100
<b>VOA</b>						
Trichloroethene		0.002	mg/L		0.001	SW846-8260

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**MW88**

**404G00-02**

**C404 SEMI-ANNUAL MONITORING-JULY 404G00-02**

**MW88C4042-00**

Collected: 7/11/2000

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.94	Inches/Hg			
Conductivity		594	umho/cm			
Depth to Water		14.35	ft			
Dissolved Oxygen		0.74	mg/L			
pH		5.66	Std Unit			
Temperature		68.9	deg F			
<b>METAL</b>						
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.025	mg/L		0.025	SW846-6010A
Uranium	UU	0.05	mg/L		0.05	AS7300
<b>RADS</b>						
Technetium-99		76.6	pCi/L	13.1	16	RL-7100
<b>VOA</b>						
Trichloroethene		0.009	mg/L		0.001	SW846-8260

**MW88DC4042-00**

Collected: 7/11/2000

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.94	Inches/Hg			
Conductivity		594	umho/cm			
Depth to Water		14.35	ft			
Dissolved Oxygen		0.74	mg/L			
pH		5.66	Std Unit			
Temperature		68.9	deg F			
<b>METAL</b>						
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.025	mg/L		0.025	SW846-6010A
Uranium	UU	0.05	mg/L		0.05	AS7300
<b>RADS</b>						
Technetium-99		87.8	pCi/L	13.5	16	RL-7100
<b>VOA</b>						
Trichloroethene		0.011	mg/L		0.001	SW846-8260



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MW89

404G00-02

C404 SEMI-ANNUAL MONITORING-JULY 404G00-02

MW89C4042-00

Collected: 7/11/2000

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.94	Inches/Hg			
Conductivity		182	umho/cm			
Depth to Water		50.87	ft			
Dissolved Oxygen		1.52	mg/L			
pH		5.93	Std Unit			
Temperature		67.7	deg F			
<b>METAL</b>						
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.025	mg/L		0.025	SW846-6010A
Uranium	UU	0.05	mg/L		0.05	AS7300
<b>RADS</b>						
Technetium-99	U	9.98	pCi/L	10.9	16	RL-7100
<b>VOA</b>						
Trichloroethene	U	0.001	mg/L		0.001	SW846-8260

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**MW90**

**404G00-02**

## C404 SEMI-ANNUAL MONITORING-JULY 404G00-02

**MW90C4042-00**

Collected: 7/11/2000

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.94	Inches/Hg			
Conductivity		199	umho/cm			
Depth to Water		49.75	ft			
Dissolved Oxygen		4.48	mg/L			
pH		5.93	Std Unit			
Temperature		68.4	deg F			
<b>METAL</b>						
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.025	mg/L		0.025	SW846-6010A
Uranium	UU	0.05	mg/L		0.05	AS7300
<b>RADS</b>						
Technetium-99		18	pCi/L	11.2	16	RL-7100
<b>VOA</b>						
Trichloroethene		0.003	mg/L		0.001	SW846-8260

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**MW91**

**404G00-02**

## C404 SEMI-ANNUAL MONITORING-JULY 404G00-02

**MW91C4042-00**

Collected: 7/12/2000

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.88	Inches/Hg			
Conductivity		539	umho/cm			
Depth to Water		11.15	ft			
Dissolved Oxygen		2.5	mg/L			
pH		5.79	Std Unit			
Temperature		66.5	deg F			
<b>METAL</b>						
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium		0.933	mg/L		0.025	SW846-6010A
Uranium	UU	0.05	mg/L		0.05	AS7300
<b>METAL-D</b>						
Chromium, Dissolved	U	0.025	mg/L		0.025	SW846-6010A
<b>RADS</b>						
Technetium-99		106	pCi/L	14.1	16	RL-7100
<b>VOA</b>						
Trichloroethene		0.059	mg/L		0.001	SW846-8260

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**MW92**

**404G00-02**

## C404 SEMI-ANNUAL MONITORING-JULY 404G00-02

**MW92C4042-00**

Collected: 7/12/2000

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.88	Inches/Hg			
Conductivity		138.7	umho/cm			
Depth to Water		49.78	ft			
Dissolved Oxygen		1.26	mg/L			
pH		5.71	Std Unit			
Temperature		65.4	deg F			
<b>METAL</b>						
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.025	mg/L		0.025	SW846-6010A
Uranium	UU	0.05	mg/L		0.05	AS7300
<b>RADS</b>						
Technetium-99	U	14.6	pCi/L	11.4	16	RL-7100
<b>VOA</b>						
Trichloroethene	UX	0.001	mg/L		0.001	SW846-8260

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**MW93**

**404G00-02**

## C404 SEMI-ANNUAL MONITORING-JULY 404G00-02

**MW93C4042-00**

Collected: 7/10/2000

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.91	Inches/Hg			
Conductivity		226	umho/cm			
Depth to Water		51.8	ft			
Dissolved Oxygen		1.05	mg/L			
pH		6.09	Std Unit			
Temperature		66.7	deg F			
<b>METAL</b>						
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.025	mg/L		0.025	SW846-6010A
Uranium	UU	0.05	mg/L		0.05	AS7300
<b>RADS</b>						
Technetium-99	U	13.4	pCi/L	11	16	RL-7100
<b>VOA</b>						
Trichloroethene	X	0.024	mg/L		0.001	SW846-8260

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**MW94**

**404G00-02**

## C404 SEMI-ANNUAL MONITORING-JULY 404G00-02

**MW94C4042-00**

Collected: 7/12/2000

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.88	Inches/Hg			
Conductivity		1191	umho/cm			
Depth to Water		16.08	ft			
Dissolved Oxygen		0.81	mg/L			
pH		6.01	Std Unit			
Temperature		65.1	deg F			
<b>METAL</b>						
Arsenic		0.005	mg/L		0.005	SW846-7060
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium		0.587	mg/L		0.025	SW846-6010A
Uranium	UU	0.05	mg/L		0.05	AS7300
<b>METAL-D</b>						
Arsenic, Dissolved	U	0.005	mg/L		0.005	SW846-7060
Chromium, Dissolved	U	0.025	mg/L		0.025	SW846-6010A
<b>RADS</b>						
Technetium-99		496	pCi/L	22.7	16	RL-7100
<b>VOA</b>						
Trichloroethene		0.018	mg/L		0.001	SW846-8260

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**MW95**

**404G00-02**

## C404 SEMI-ANNUAL MONITORING-JULY 404G00-02

**MW95C4042-00**

Collected: 7/12/2000

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.88	Inches/Hg			
Conductivity		235	umho/cm			
Depth to Water		52.85	ft			
Dissolved Oxygen		1.75	mg/L			
pH		5.93	Std Unit			
Temperature		65.6	deg F			
<b>METAL</b>						
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.025	mg/L		0.025	SW846-6010A
Uranium	UU	0.05	mg/L		0.05	AS7300
<b>RADS</b>						
Technetium-99		20.2	pCi/L	11.3	16	RL-7100
<b>VOA</b>						
Trichloroethene		0.013	mg/L		0.001	SW846-8260

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**MW226**

**404G01-01**

## C404 SEMI-ANNUAL MONITORING - JANUARY 404G01-01

**MW226C4041-01**

Collected: 1/9/2001

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.88	Inches/Hg			
Conductivity		320	umho/cm			
Depth to Water		56.31	ft			
Dissolved Oxygen		0.69	mg/L			
pH		5.75	Std Unit			
Temperature		59.4	deg F			
<b>METAL</b>						
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium		0.34	mg/L		0.025	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Uranium	U	0.05	mg/L		0.05	AS7300
<b>METAL-D</b>						
Chromium, Dissolved	U	0.025	mg/L		0.025	SW846-6010A
<b>RADS</b>						
Technetium-99		148	pCi/L	16.2	17.5	RL-7100
<b>VOA</b>						
Trichloroethene	X	0.081	mg/L		0.001	SW846-8260



**MW227**

**404G01-01**

**C404 SEMI-ANNUAL MONITORING - JANUARY 404G01-01**

**MW227C4041-01**

Collected: 1/9/2001

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.88	Inches/Hg			
Conductivity		258	umho/cm			
Depth to Water		56.6	ft			
Dissolved Oxygen		4.77	mg/L			
pH		5.91	Std Unit			
Temperature		59.3	deg F			
<b>METAL</b>						
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.025	mg/L		0.025	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Uranium	U	0.05	mg/L		0.05	AS7300
<b>RADS</b>						
Technetium-99	U	3.82	pCi/L	11.9	17.5	RL-7100
<b>VOA</b>						
Trichloroethene		0.003	mg/L		0.001	SW846-8260

**MW84**

**404G01-01**

**C404 SEMI-ANNUAL MONITORING - JANUARY 404G01-01**

**MW84C4041-01**

Collected: 1/9/2001

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.88	Inches/Hg			
Conductivity		207	umho/cm			
Depth to Water		53.98	ft			
Dissolved Oxygen		0.9	mg/L			
pH		6	Std Unit			
Temperature		57.7	deg F			
<b>METAL</b>						
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.025	mg/L		0.025	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Uranium	U	0.05	mg/L		0.05	AS7300
<b>RADS</b>						
Technetium-99	U	6.87	pCi/L	12.1	17.5	RL-7100
<b>VOA</b>						
Trichloroethene		0.031	mg/L		0.001	SW846-8260

**MW85**

**404G01-01**

**C404 SEMI-ANNUAL MONITORING - JANUARY 404G01-01**

**MW85C4041-01**

Collected: 1/9/2001

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.88	Inches/Hg			
Conductivity		323	umho/cm			
Depth to Water		15.98	ft			
Dissolved Oxygen		2.17	mg/L			
pH		6.3	Std Unit			
Temperature		59.7	deg F			
<b>METAL</b>						
Arsenic		0.005	mg/L		0.005	SW846-7060
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.025	mg/L		0.025	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Uranium	U	0.05	mg/L		0.05	AS7300
<b>METAL-D</b>						
Arsenic, Dissolved	W	0.005	mg/L		0.005	SW846-7060
<b>RADS</b>						
Technetium-99		286	pCi/L	19.4	17.5	RL-7100
<b>VOA</b>						
Trichloroethene	U	0.001	mg/L		0.001	SW846-8260

**MW86**

**404G01-01**

**C404 SEMI-ANNUAL MONITORING - JANUARY 404G01-01**

**MW86C4041-01**

Collected: 1/9/2001

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.88	Inches/Hg			
Conductivity		207	umho/cm			
Depth to Water		54.01	ft			
Dissolved Oxygen		0.86	mg/L			
pH		6.1	Std Unit			
Temperature		58.3	deg F			
<b>METAL</b>						
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.025	mg/L		0.025	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Uranium	U	0.05	mg/L		0.05	AS7300
<b>RADS</b>						
Technetium-99	U	5.71	pCi/L	11.9	17.5	RL-7100
<b>VOA</b>						
Trichloroethene		0.01	mg/L		0.001	SW846-8260

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**MW87**

**404G01-01**

## C404 SEMI-ANNUAL MONITORING - JANUARY 404G01-01

**MW87C4041-01**

Collected: 1/9/2001

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.88	Inches/Hg			
Conductivity		221	umho/cm			
Depth to Water		53.9	ft			
Dissolved Oxygen		2.27	mg/L			
pH		6.1	Std Unit			
Temperature		58.4	deg F			
<b>METAL</b>						
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.025	mg/L		0.025	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Uranium	U	0.05	mg/L		0.05	AS7300
<b>RADS</b>						
Technetium-99	U	-6.09	pCi/L	0	17.5	RL-7100
<b>VOA</b>						
Trichloroethene		0.002	mg/L		0.001	SW846-8260

**MW88**

**404G01-01**

**C404 SEMI-ANNUAL MONITORING - JANUARY 404G01-01**

**MW88C4041-01**

Collected: 1/9/2001

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.88	Inches/Hg			
Conductivity		581	umho/cm			
Depth to Water		15.36	ft			
Dissolved Oxygen		0.36	mg/L			
pH		5.7	Std Unit			
Temperature		60.5	deg F			
<b>METAL</b>						
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.025	mg/L		0.025	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Uranium	U	0.05	mg/L		0.05	AS7300
<b>RADS</b>						
Technetium-99		84.7	pCi/L	14.4	17.5	RL-7100
<b>VOA</b>						
Trichloroethene	X	0.006	mg/L		0.001	SW846-8260

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**MW89**

**404G01-01**

## C404 SEMI-ANNUAL MONITORING - JANUARY 404G01-01

**MW89C4041-01**

Collected: 1/9/2001

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.88	Inches/Hg			
Conductivity		179	umho/cm			
Depth to Water		53.82	ft			
Dissolved Oxygen		1.14	mg/L			
pH		6	Std Unit			
Temperature		58.6	deg F			
<b>METAL</b>						
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.025	mg/L		0.025	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Uranium	U	0.05	mg/L		0.05	AS7300
<b>RADS</b>						
Technetium-99	U	4.65	pCi/L	11.9	17.5	RL-7100
<b>VOA</b>						
Trichloroethene	U	0.001	mg/L		0.001	SW846-8260

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**MW90**

**404G01-01**

## C404 SEMI-ANNUAL MONITORING - JANUARY 404G01-01

**MW90C4041-01**

Collected: 1/10/2001

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.91	Inches/Hg			
Conductivity		191	umho/cm			
Depth to Water		52.65	ft			
Dissolved Oxygen		3.18	mg/L			
pH		5.8	Std Unit			
Temperature		57.8	deg F			
<b>METAL</b>						
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.025	mg/L		0.025	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Uranium	U	0.05	mg/L		0.05	AS7300
<b>RADS</b>						
Technetium-99	U	12.8	pCi/L	12.2	17.5	RL-7100
<b>VOA</b>						
Trichloroethene		0.003	mg/L		0.001	SW846-8260



**MW91**

**404G01-01**

**C404 SEMI-ANNUAL MONITORING - JANUARY 404G01-01**

**MW91C4041-01**

Collected: 1/10/2001

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.91	Inches/Hg			
Conductivity		510	umho/cm			
Depth to Water		12.09	ft			
Dissolved Oxygen		0.63	mg/L			
pH		5.9	Std Unit			
Temperature		59.2	deg F			
<b>METAL</b>						
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium		0.828	mg/L		0.025	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Uranium	U	0.05	mg/L		0.05	AS7300
<b>METAL-D</b>						
Chromium, Dissolved		0.043	mg/L		0.025	SW846-6010A
<b>RADS</b>						
Technetium-99		81.2	pCi/L	13.2	17.5	RL-7100
<b>VOA</b>						
Trichloroethene		0.053	mg/L		0.001	SW846-8260

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**MW92**

**404G01-01**

## C404 SEMI-ANNUAL MONITORING - JANUARY 404G01-01

**MW92C4041-01**

Collected: 1/10/2001

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.91	Inches/Hg			
Conductivity		137	umho/cm			
Depth to Water		52.46	ft			
Dissolved Oxygen		0.93	mg/L			
pH		5.7	Std Unit			
Temperature		59.8	deg F			
<b>METAL</b>						
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.025	mg/L		0.025	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Uranium	U	0.05	mg/L		0.05	AS7300
<b>RADS</b>						
Technetium-99	U	-5.98	pCi/L	0	17.5	RL-7100
<b>VOA</b>						
Trichloroethene	U	0.001	mg/L		0.001	SW846-8260

**MW93**

**404G01-01**

**C404 SEMI-ANNUAL MONITORING - JANUARY 404G01-01**

**MW93C4041-01**

Collected: 1/9/2001

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.88	Inches/Hg			
Conductivity		221	umho/cm			
Depth to Water		55.54	ft			
Dissolved Oxygen		1.92	mg/L			
pH		5.73	Std Unit			
Temperature		59.1	deg F			
<b>METAL</b>						
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.025	mg/L		0.025	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Uranium	U	0.05	mg/L		0.05	AS7300
<b>RADS</b>						
Technetium-99	U	4.82	pCi/L	11.9	17.5	RL-7100
<b>VOA</b>						
Trichloroethene		0.037	mg/L		0.001	SW846-8260

**MW94**

**404G01-01**

**C404 SEMI-ANNUAL MONITORING - JANUARY 404G01-01**

**MW94C4041-01**

Collected: 1/9/2001

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.88	Inches/Hg			
Conductivity		1101	umho/cm			
Depth to Water		17.88	ft			
Dissolved Oxygen		1.24	mg/L			
pH		6.05	Std Unit			
Temperature		60.7	deg F			
<b>METAL</b>						
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium		0.366	mg/L		0.025	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Uranium	U	0.05	mg/L		0.05	AS7300
<b>METAL-D</b>						
Chromium, Dissolved	U	0.025	mg/L		0.025	SW846-6010A
<b>RADS</b>						
Technetium-99		470	pCi/L	23	17.5	RL-7100
<b>VOA</b>						
Trichloroethene		0.014	mg/L		0.001	SW846-8260

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**MW95**

**404G01-01**

**C404 SEMI-ANNUAL MONITORING - JANUARY 404G01-01**

**MW95C4041-01**

Collected: 1/9/2001

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.88	Inches/Hg			
Conductivity		234	umho/cm			
Depth to Water		55.57	ft			
Dissolved Oxygen		1.64	mg/L			
pH		5.78	Std Unit			
Temperature		57.7	deg F			
<b>METAL</b>						
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.025	mg/L		0.025	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Uranium	U	0.05	mg/L		0.05	AS7300
<b>RADS</b>						
Technetium-99	U	6.93	pCi/L	12.2	17.5	RL-7100
<b>VOA</b>						
Trichloroethene	X	0.017	mg/L		0.001	SW846-8260

**MW95DC4041-01**

Collected: 1/9/2001

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.88	Inches/Hg			
Conductivity		234	umho/cm			
Depth to Water		55.57	ft			
Dissolved Oxygen		1.64	mg/L			
pH		5.78	Std Unit			
Temperature		57.7	deg F			
<b>METAL</b>						
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.025	mg/L		0.025	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Uranium	U	0.05	mg/L		0.05	AS7300
<b>RADS</b>						
Technetium-99	U	12	pCi/L	11.1	17.5	RL-7100
<b>VOA</b>						
Trichloroethene		0.018	mg/L		0.001	SW846-8260

MW226

404G01-02

C404 SEMI-ANNUAL MONITORING - JULY 404G01-02

MW226C4042-01

Collected: 7/11/2001

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.41	Inches/Hg			
Conductivity		287.4	umho/cm			
Depth to Water		54.48	ft			
Dissolved Oxygen		1.02	mg/L			
pH		6.02	Std Unit			
Temperature		65.6	deg F			
<b>METAL</b>						
Cadmium	UW	0.005	mg/L		0.005	SW846-7131
Chromium		0.112	mg/L		0.025	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Uranium	U	0.05	mg/L		0.05	AS7300
<b>METAL-D</b>						
Chromium, Dissolved	U	0.025	mg/L		0.025	SW846-6010A
<b>RADS</b>						
Technetium-99		107	pCi/L	16.1	19	RL-7100
<b>VOA</b>						
Trichloroethene	X	0.055	mg/L		0.001	SW846-8260

MW227

404G01-02

C404 SEMI-ANNUAL MONITORING - JULY 404G01-02

MW227C4042-01

Collected: 7/11/2001

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.41	Inches/Hg			
Conductivity		244.1	umho/cm			
Depth to Water		54.57	ft			
Dissolved Oxygen		4.36	mg/L			
pH		6.16	Std Unit			
Temperature		68.6	deg F			
<b>METAL</b>						
Cadmium	UW	0.005	mg/L		0.005	SW846-7131
Chromium		0.026	mg/L		0.025	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Uranium	U	0.05	mg/L		0.05	AS7300
<b>METAL-D</b>						
Chromium, Dissolved	U	0.025	mg/L		0.025	SW846-6010A
<b>RADS</b>						
Technetium-99	U	7.5	pCi/L	13	19	RL-7100
<b>VOA</b>						
Trichloroethene		0.007	mg/L		0.001	SW846-8260

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**MW84**

**404G01-02**

## C404 SEMI-ANNUAL MONITORING - JULY 404G01-02

**MW84C4042-01**

Collected: 7/11/2001

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.38	Inches/Hg			
Conductivity		209	umho/cm			
Depth to Water		51.91	ft			
Dissolved Oxygen		1.13	mg/L			
pH		6.08	Std Unit			
Temperature		66.6	deg F			
<b>METAL</b>						
Cadmium	UW	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.025	mg/L		0.025	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Uranium	U	0.05	mg/L		0.05	AS7300
<b>RADS</b>						
Technetium-99	U	0.0614	pCi/L	8.56	19	RL-7100
<b>VOA</b>						
Trichloroethene		0.041	mg/L		0.001	SW846-8260



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**MW85**

**404G01-02**

**C404 SEMI-ANNUAL MONITORING - JULY 404G01-02**

**MW85C4042-01**

Collected: 7/11/2001

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.38	Inches/Hg			
Conductivity		356	umho/cm			
Depth to Water		14.65	ft			
Dissolved Oxygen		3.83	mg/L			
pH		6.38	Std Unit			
Temperature		64.9	deg F			
<b>METAL</b>						
Arsenic	W	0.006	mg/L		0.005	SW846-7060
Cadmium	UW	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.025	mg/L		0.025	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Uranium	U	0.05	mg/L		0.05	AS7300
<b>METAL-D</b>						
Arsenic, Dissolved		0.006	mg/L		0.005	SW846-7060
<b>RADS</b>						
Technetium-99		278	pCi/L	20.4	19	RL-7100
<b>VOA</b>						
Trichloroethene	U	0.001	mg/L		0.001	SW846-8260

**MW85DC4042-01**

Collected: 7/11/2001

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.38	Inches/Hg			
Conductivity		356	umho/cm			
Depth to Water		14.65	ft			
Dissolved Oxygen		3.83	mg/L			
pH		6.38	Std Unit			
Temperature		64.9	deg F			
<b>METAL</b>						
Arsenic	W	0.006	mg/L		0.005	SW846-7060
Cadmium	UW	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.025	mg/L		0.025	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Uranium	U	0.05	mg/L		0.05	AS7300
<b>METAL-D</b>						
Arsenic, Dissolved		0.006	mg/L		0.005	SW846-7060
<b>RADS</b>						
Technetium-99		314	pCi/L	21.2	19	RL-7100
<b>VOA</b>						
Trichloroethene	U	0.001	mg/L		0.001	SW846-8260

**MW86**

**404G01-02**

**C404 SEMI-ANNUAL MONITORING - JULY 404G01-02**

**MW86C4042-01**

Collected: 7/11/2001

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.38	Inches/Hg			
Conductivity		212	umho/cm			
Depth to Water		51.78	ft			
Dissolved Oxygen		1.12	mg/L			
pH		6.08	Std Unit			
Temperature		68.5	deg F			
<b>METAL</b>						
Cadmium	UW	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.025	mg/L		0.025	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Uranium	U	0.05	mg/L		0.05	AS7300
<b>RADS</b>						
Technetium-99	U	-0.983	pCi/L	0	19	RL-7100
<b>VOA</b>						
Trichloroethene		0.018	mg/L		0.001	SW846-8260

**MW87**

**404G01-02**

**C404 SEMI-ANNUAL MONITORING - JULY 404G01-02**

**MW87C4042-01**

Collected: 7/11/2001

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.38	Inches/Hg			
Conductivity		232	umho/cm			
Depth to Water		51.85	ft			
Dissolved Oxygen		2.07	mg/L			
pH		6.11	Std Unit			
Temperature		69.9	deg F			
<b>METAL</b>						
Cadmium	UW	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.025	mg/L		0.025	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Uranium	U	0.05	mg/L		0.05	AS7300
<b>RADS</b>						
Technetium-99	U	13.9	pCi/L	13.2	19	RL-7100
<b>VOA</b>						
Trichloroethene		0.005	mg/L		0.001	SW846-8260

**MW88**

**404G01-02**

**C404 SEMI-ANNUAL MONITORING - JULY 404G01-02**

**MW88C4042-01**

Collected: 7/11/2001

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.38	Inches/Hg			
Conductivity		593	umho/cm			
Depth to Water		14.65	ft			
Dissolved Oxygen		0.64	mg/L			
pH		5.74	Std Unit			
Temperature		68.6	deg F			
<b>METAL</b>						
Cadmium	UW	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.025	mg/L		0.025	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Uranium	U	0.05	mg/L		0.05	AS7300
<b>RADS</b>						
Technetium-99		83.6	pCi/L	15.4	19	RL-7100
<b>VOA</b>						
Trichloroethene	X	0.005	mg/L		0.001	SW846-8260

**MW89**

**404G01-02**

**C404 SEMI-ANNUAL MONITORING - JULY 404G01-02**

**MW89C4042-01**

Collected: 7/11/2001

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.38	Inches/Hg			
Conductivity		179	umho/cm			
Depth to Water		51.38	ft			
Dissolved Oxygen		1.56	mg/L			
pH		5.99	Std Unit			
Temperature		70.6	deg F			
<b>METAL</b>						
Cadmium	UW	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.025	mg/L		0.025	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Uranium	U	0.05	mg/L		0.05	AS7300
<b>RADS</b>						
Technetium-99	U	9.15	pCi/L	13	19	RL-7100
<b>VOA</b>						
Trichloroethene	U	0.001	mg/L		0.001	SW846-8260

**MW90**

**404G01-02**

**C404 SEMI-ANNUAL MONITORING - JULY 404G01-02**

**MW90C4042-01**

Collected: 7/12/2001

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.53	Inches/Hg			
Conductivity		205	umho/cm			
Depth to Water		50.67	ft			
Dissolved Oxygen		3.64	mg/L			
pH		5.8	Std Unit			
Temperature		63.4	deg F			
<b>METAL</b>						
Cadmium	UW	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.025	mg/L		0.025	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Uranium	U	0.05	mg/L		0.05	AS7300
<b>RADS</b>						
Technetium-99	U	16.5	pCi/L	13.2	19	RL-7100
<b>VOA</b>						
Trichloroethene		0.005	mg/L		0.001	SW846-8260

**MW91**

**404G01-02**

**C404 SEMI-ANNUAL MONITORING - JULY 404G01-02**

**MW91C4042-01**

Collected: 7/12/2001

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.53	Inches/Hg			
Conductivity		533	umho/cm			
Depth to Water		11.53	ft			
Dissolved Oxygen		1.19	mg/L			
pH		5.8	Std Unit			
Temperature		63.7	deg F			
<b>METAL</b>						
Cadmium	UW	0.005	mg/L		0.005	SW846-7131
Chromium		0.679	mg/L		0.025	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Uranium	U	0.05	mg/L		0.05	AS7300
<b>METAL-D</b>						
Chromium, Dissolved	U	0.025	mg/L		0.025	SW846-6010A
<b>RADS</b>						
Technetium-99		121	pCi/L	16.5	19	RL-7100
<b>VOA</b>						
Trichloroethene		0.058	mg/L		0.001	SW846-8260

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**MW92**

**404G01-02**

## C404 SEMI-ANNUAL MONITORING - JULY 404G01-02

**MW92C4042-01**

Collected: 7/12/2001

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.53	Inches/Hg			
Conductivity		142	umho/cm			
Depth to Water		50.66	ft			
Dissolved Oxygen		0.88	mg/L			
pH		5.7	Std Unit			
Temperature		62.2	deg F			
<b>METAL</b>						
Cadmium	UW	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.025	mg/L		0.025	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Uranium	U	0.05	mg/L		0.05	AS7300
<b>RADS</b>						
Technetium-99	U	-4.42	pCi/L	0	19	RL-7100
<b>VOA</b>						
Trichloroethene	U	0.001	mg/L		0.001	SW846-8260



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**MW93**

**404G01-02**

## C404 SEMI-ANNUAL MONITORING - JULY 404G01-02

**MW93C4042-01**

Collected: 7/11/2001

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.41	Inches/Hg			
Conductivity		232.4	umho/cm			
Depth to Water		53.4	ft			
Dissolved Oxygen		1.67	mg/L			
pH		6.03	Std Unit			
Temperature		65.5	deg F			
<b>METAL</b>						
Cadmium	UW	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.025	mg/L		0.025	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Uranium	U	0.05	mg/L		0.05	AS7300
<b>RADS</b>						
Technetium-99	U	17.3	pCi/L	13.2	19	RL-7100
<b>VOA</b>						
Trichloroethene		0.065	mg/L		0.001	SW846-8260

**MW94**

**404G01-02**

**C404 SEMI-ANNUAL MONITORING - JULY 404G01-02**

**MW94C4042-01**

Collected: 7/11/2001

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.41	Inches/Hg			
Conductivity		1166	umho/cm			
Depth to Water		16.61	ft			
Dissolved Oxygen		1.43	mg/L			
pH		6.07	Std Unit			
Temperature		65.8	deg F			
<b>METAL</b>						
Cadmium	UW	0.005	mg/L		0.005	SW846-7131
Chromium		0.814	mg/L		0.025	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Uranium	U	0.05	mg/L		0.05	AS7300
<b>METAL-D</b>						
Chromium, Dissolved	U	0.025	mg/L		0.025	SW846-6010A
<b>RADS</b>						
Technetium-99		434	pCi/L	23.7	19	RL-7100
<b>VOA</b>						
Trichloroethene	X	0.019	mg/L		0.001	SW846-8260

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**MW95**

**404G01-02**

## C404 SEMI-ANNUAL MONITORING - JULY 404G01-02

**MW95C4042-01**

Collected: 7/11/2001

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.41	Inches/Hg			
Conductivity		233	umho/cm			
Depth to Water		53.52	ft			
Dissolved Oxygen		1.7	mg/L			
pH		6	Std Unit			
Temperature		66.3	deg F			
<b>METAL</b>						
Cadmium	UW	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.025	mg/L		0.025	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Uranium	U	0.05	mg/L		0.05	AS7300
<b>RADS</b>						
Technetium-99		24.2	pCi/L	13.5	19	RL-7100
<b>VOA</b>						
Trichloroethene		0.019	mg/L		0.001	SW846-8260

MW226

404G02-01

C404 SEMI-ANNUAL MONITORING - JANUARY

MW226C4041-02

Collected: 1/8/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.59	Inches/Hg			
Conductivity		343	umho/cm			
Depth to Water		53.86	ft			
Dissolved Oxygen		0.22	mg/L			
pH		5.9	Std Unit			
Temperature		59.5	deg F			
<b>METAL</b>						
Cadmium	BUW	0.005	mg/L		0.005	SW846-7131
Chromium		0.272	mg/L		0.025	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Selenium	UW	0.01	mg/L		0.01	SW846-7740
Uranium	U	0.05	mg/L		0.05	AS7300
<b>METAL-D</b>						
Chromium, Dissolved	U	0.025	mg/L		0.025	SW846-6010A
<b>RADS</b>						
Technetium-99		166	pCi/L	16.1	17	RL-7100
<b>VOA</b>						
Trichloroethene	EX	0.14	mg/L		0.001	SW846-8260

MW227

404G02-01

C404 SEMI-ANNUAL MONITORING - JANUARY

MW227C4041-02

Collected: 1/8/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.59	Inches/Hg			
Conductivity		262	umho/cm			
Depth to Water		54	ft			
Dissolved Oxygen		4.07	mg/L			
pH		6.2	Std Unit			
Temperature		60.3	deg F			
<b>METAL</b>						
Cadmium	BUW	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.025	mg/L		0.025	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Selenium	UW	0.01	mg/L		0.01	SW846-7740
Uranium	U	0.05	mg/L		0.05	AS7300
<b>RADS</b>						
Technetium-99		20.2	pCi/L	12.1	17	RL-7100
<b>VOA</b>						
Trichloroethene		0.023	mg/L		0.001	SW846-8260

**MW84**

**404G02-01**

**C404 SEMI-ANNUAL MONITORING - JANUARY**

**MW84C4041-02**

Collected: 1/7/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.74	Inches/Hg			
Conductivity		219	umho/cm			
Depth to Water		51.29	ft			
Dissolved Oxygen		1.47	mg/L			
pH		6.1	Std Unit			
Temperature		58.1	deg F			
<b>METAL</b>						
Cadmium	BUW	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.025	mg/L		0.025	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Selenium	UW	0.01	mg/L		0.01	SW846-7740
Uranium	U	0.05	mg/L		0.05	AS7300
<b>RADS</b>						
Technetium-99	U	-4.43	pCi/L	0	17	RL-7100
<b>VOA</b>						
Trichloroethene		0.058	mg/L		0.001	SW846-8260

**MW85**

**404G02-01**

**C404 SEMI-ANNUAL MONITORING - JANUARY**

**MW85C4041-02**

Collected: 1/7/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.74	Inches/Hg			
Conductivity		391	umho/cm			
Depth to Water		14.24	ft			
Dissolved Oxygen		2.45	mg/L			
pH		6.4	Std Unit			
Temperature		60.3	deg F			
<b>METAL</b>						
Arsenic	NW	0.006	mg/L		0.005	SW846-7060
Cadmium	BUW	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.025	mg/L		0.025	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Selenium	UW	0.01	mg/L		0.01	SW846-7740
Uranium	U	0.05	mg/L		0.05	AS7300
<b>METAL-D</b>						
Arsenic, Dissolved		0.006	mg/L		0.005	SW846-7060
<b>RADS</b>						
Technetium-99		240	pCi/L	17.9	17	RL-7100
<b>VOA</b>						
Trichloroethene	UX	0.001	mg/L		0.001	SW846-8260

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**MW86**

**404G02-01**

## C404 SEMI-ANNUAL MONITORING - JANUARY

**MW86C4041-02**

Collected: 1/7/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.74	Inches/Hg			
Conductivity		218	umho/cm			
Depth to Water		51.32	ft			
Dissolved Oxygen		1.15	mg/L			
pH		6.1	Std Unit			
Temperature		60	deg F			
<b>METAL</b>						
Cadmium	BUW	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.025	mg/L		0.025	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Selenium	UW	0.01	mg/L		0.01	SW846-7740
Uranium	U	0.05	mg/L		0.05	AS7300
<b>RADS</b>						
Technetium-99	U	7.72	pCi/L	11.7	17	RL-7100
<b>VOA</b>						
Trichloroethene		0.021	mg/L		0.001	SW846-8260



MW87

404G02-01

C404 SEMI-ANNUAL MONITORING - JANUARY

MW87C4041-02

Collected: 1/7/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.71	Inches/Hg			
Conductivity		276	umho/cm			
Depth to Water		51.37	ft			
Dissolved Oxygen		1.67	mg/L			
pH		6.2	Std Unit			
Temperature		60.4	deg F			
<b>METAL</b>						
Cadmium	BUW	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.025	mg/L		0.025	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Selenium	UW	0.01	mg/L		0.01	SW846-7740
Uranium	U	0.05	mg/L		0.05	AS7300
<b>RADS</b>						
Technetium-99	U	0	pCi/L	0	17	RL-7100
<b>VOA</b>						
Trichloroethene		0.003	mg/L		0.001	SW846-8260

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**MW88**

**404G02-01**

## C404 SEMI-ANNUAL MONITORING - JANUARY

**MW88C4041-02**

Collected: 1/7/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.71	Inches/Hg			
Conductivity		574	umho/cm			
Depth to Water		14.33	ft			
Dissolved Oxygen		0.92	mg/L			
pH		5.71	Std Unit			
Temperature		60	deg F			
<b>METAL</b>						
Cadmium	BUW	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.025	mg/L		0.025	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Selenium	UW	0.01	mg/L		0.01	SW846-7740
Uranium	U	0.05	mg/L		0.05	AS7300
<b>RADS</b>						
Technetium-99		32.3	pCi/L	12.5	17	RL-7100
<b>VOA</b>						
Trichloroethene	X	0.005	mg/L		0.001	SW846-8260

**MW89**

**404G02-01**

**C404 SEMI-ANNUAL MONITORING - JANUARY**

**MW89C4041-02**

Collected: 1/8/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.59	Inches/Hg			
Conductivity		181	umho/cm			
Depth to Water		50.96	ft			
Dissolved Oxygen		1.43	mg/L			
pH		6	Std Unit			
Temperature		61.1	deg F			
<b>METAL</b>						
Cadmium	BUW	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.025	mg/L		0.025	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Selenium	UW	0.01	mg/L		0.01	SW846-7740
Uranium	U	0.05	mg/L		0.05	AS7300
<b>RADS</b>						
Technetium-99	U	-5.3	pCi/L	0	17	RL-7100
<b>VOA</b>						
Trichloroethene	U	0.001	mg/L		0.001	SW846-8260

MW90A

404G02-01

C404 SEMI-ANNUAL MONITORING - JANUARY

MW90C4041-02

Collected: 1/7/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.74	Inches/Hg			
Conductivity		262	umho/cm			
Depth to Water		49.73	ft			
Dissolved Oxygen		3.01	mg/L			
pH		6.3	Std Unit			
Temperature		58.9	deg F			
<b>METAL</b>						
Cadmium	BUW	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.025	mg/L		0.025	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Selenium	UW	0.01	mg/L		0.01	SW846-7740
Uranium	U	0.05	mg/L		0.05	AS7300
<b>RADS</b>						
Technetium-99	U	-6.64	pCi/L	0	17	RL-7100
<b>VOA</b>						
Trichloroethene	U	0.001	mg/L		0.001	SW846-8260

MW91

404G02-01

C404 SEMI-ANNUAL MONITORING - JANUARY

MW91C4041-02

Collected: 1/7/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.74	Inches/Hg			
Conductivity		496	umho/cm			
Depth to Water		11.65	ft			
Dissolved Oxygen		2.34	mg/L			
pH		5.9	Std Unit			
Temperature		58.2	deg F			
<b>METAL</b>						
Cadmium	BUW	0.005	mg/L		0.005	SW846-7131
Chromium		0.59	mg/L		0.025	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Selenium	UW	0.01	mg/L		0.01	SW846-7740
Uranium	U	0.05	mg/L		0.05	AS7300
<b>METAL-D</b>						
Chromium, Dissolved	U	0.025	mg/L		0.025	SW846-6010A
<b>RADS</b>						
Technetium-99		169	pCi/L	16.2	17	RL-7100
<b>VOA</b>						
Trichloroethene		0.061	mg/L		0.001	SW846-8260

**MW92**

**404G02-01**

**C404 SEMI-ANNUAL MONITORING - JANUARY**

**MW92C4041-02**

Collected: 1/7/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.74	Inches/Hg			
Conductivity		136	umho/cm			
Depth to Water		49.98	ft			
Dissolved Oxygen		1.41	mg/L			
pH		5.8	Std Unit			
Temperature		58.9	deg F			
<b>METAL</b>						
Cadmium	BUW	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.025	mg/L		0.025	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Selenium	UW	0.01	mg/L		0.01	SW846-7740
Uranium	U	0.05	mg/L		0.05	AS7300
<b>RADS</b>						
Technetium-99	U	4.22	pCi/L	11.7	17	RL-7100
<b>VOA</b>						
Trichloroethene	UX	0.001	mg/L		0.001	SW846-8260

**MW93**

**404G02-01**

**C404 SEMI-ANNUAL MONITORING - JANUARY**

**MW93C4041-02**

Collected: 1/7/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.74	Inches/Hg			
Conductivity		232	umho/cm			
Depth to Water		53.12	ft			
Dissolved Oxygen		1.3	mg/L			
pH		6	Std Unit			
Temperature		58	deg F			
<b>METAL</b>						
Cadmium	BUW	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.025	mg/L		0.025	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Selenium	UW	0.01	mg/L		0.01	SW846-7740
Uranium	U	0.05	mg/L		0.05	AS7300
<b>RADS</b>						
Technetium-99		18.4	pCi/L	12.1	17	RL-7100
<b>VOA</b>						
Trichloroethene		0.076	mg/L		0.001	SW846-8260

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**MW94**

**404G02-01**

**C404 SEMI-ANNUAL MONITORING - JANUARY**

**MW94C4041-02**

Collected: 1/7/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.74	Inches/Hg			
Conductivity		1159	umho/cm			
Depth to Water		15.55	ft			
Dissolved Oxygen		1.19	mg/L			
pH		6.2	Std Unit			
Temperature		58	deg F			
<b>METAL</b>						
Cadmium	BUW	0.005	mg/L		0.005	SW846-7131
Chromium		1.16	mg/L		0.025	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Selenium	UW	0.01	mg/L		0.01	SW846-7740
Uranium	U	0.05	mg/L		0.05	AS7300
<b>METAL-D</b>						
Chromium, Dissolved	U	0.025	mg/L		0.025	SW846-6010A
<b>RADS</b>						
Technetium-99		407	pCi/L	21.2	17	RL-7100
<b>VOA</b>						
Trichloroethene		0.018	mg/L		0.001	SW846-8260

**MW94DC4041-02**

Collected: 1/7/2002

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.74	Inches/Hg			
Conductivity		1159	umho/cm			
Depth to Water		15.55	ft			
Dissolved Oxygen		1.19	mg/L			
pH		6.2	Std Unit			
Temperature		58	deg F			
<b>METAL</b>						
Cadmium	BUW	0.005	mg/L		0.005	SW846-7131
Chromium		0.739	mg/L		0.025	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Selenium	UW	0.01	mg/L		0.01	SW846-7740
Uranium	U	0.05	mg/L		0.05	AS7300
<b>METAL-D</b>						
Chromium, Dissolved	U	0.025	mg/L		0.025	SW846-6010A
<b>RADS</b>						
Technetium-99		418	pCi/L	21.4	17	RL-7100
<b>VOA</b>						
Trichloroethene		0.019	mg/L		0.001	SW846-8260



MW95A

404G02-01

C404 SEMI-ANNUAL MONITORING - JANUARY

MW95C4041-02

Collected: 1/7/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.74	Inches/Hg			
Conductivity		234	umho/cm			
Depth to Water		52.29	ft			
Dissolved Oxygen		0.62	mg/L			
pH		6	Std Unit			
Temperature		55	deg F			
<b>METAL</b>						
Cadmium	BUW	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.025	mg/L		0.025	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Selenium	UW	0.01	mg/L		0.01	SW846-7740
Uranium	U	0.05	mg/L		0.05	AS7300
<b>RADS</b>						
Technetium-99	U	15.3	pCi/L	12	17	RL-7100
<b>VOA</b>						
Trichloroethene		0.029	mg/L		0.001	SW846-8260

MW226

404G02-02

C404 SEMI-ANNUAL MONITORING - JULY

MW226C4042-02

Collected: 7/22/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.44	Inches/Hg			
Conductivity		295	umho/cm			
Depth to Water		47.76	ft			
Dissolved Oxygen		0.78	mg/L			
pH		5.85	Std Unit			
Temperature		66.5	deg F			
<b>METAL</b>						
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium	N	0.115	mg/L		0.025	SW846-6010A
Mercury	UW	0.0002	mg/L		0.0002	SW846-7470
Selenium	UW	0.01	mg/L		0.01	SW846-7740
Uranium	U	0.05	mg/L		0.05	AS7300
<b>METAL-D</b>						
Chromium, Dissolved	U	0.025	mg/L		0.025	SW846-6010A
Uranium, Dissolved	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Technetium-99		64.7	pCi/L	14.5	18.2	RL-7100
<b>VOA</b>						
Trichloroethene	X	0.089	mg/L		0.001	SW846-8260

**MW227**

**404G02-02**

**C404 SEMI-ANNUAL MONITORING - JULY**

**MW227C4042-02**

Collected: 7/22/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.44	Inches/Hg			
Conductivity		259	umho/cm			
Depth to Water		47.96	ft			
Dissolved Oxygen		5.26	mg/L			
pH		5.96	Std Unit			
Temperature		66.6	deg F			
<b>METAL</b>						
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium	N	0.119	mg/L		0.025	SW846-6010A
Mercury	UW	0.0002	mg/L		0.0002	SW846-7470
Selenium	UW	0.01	mg/L		0.01	SW846-7740
Uranium	U	0.05	mg/L		0.05	AS7300
<b>METAL-D</b>						
Chromium, Dissolved	U	0.025	mg/L		0.025	SW846-6010A
Uranium, Dissolved	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Technetium-99		33.4	pCi/L	13.5	18.2	RL-7100
<b>VOA</b>						
Trichloroethene		0.023	mg/L		0.001	SW846-8260

**MW84**

**404G02-02**

**C404 SEMI-ANNUAL MONITORING - JULY**

**MW84C4042-02**

Collected: 7/23/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.65	Inches/Hg			
Conductivity		218	umho/cm			
Depth to Water		45.56	ft			
Dissolved Oxygen		1.38	mg/L			
pH		5.9	Std Unit			
Temperature		65.7	deg F			
<b>METAL</b>						
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium	NU	0.025	mg/L		0.025	SW846-6010A
Mercury	UW	0.0002	mg/L		0.0002	SW846-7470
Selenium	UW	0.01	mg/L		0.01	SW846-7740
Uranium	U	0.05	mg/L		0.05	AS7300
<b>METAL-D</b>						
Uranium, Dissolved	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Technetium-99	U	6.86	pCi/L	12.5	18.2	RL-7100
<b>VOA</b>						
Trichloroethene		0.052	mg/L		0.001	SW846-8260

**MW85**

**404G02-02**

**C404 SEMI-ANNUAL MONITORING - JULY**

**MW85C4042-02**

Collected: 7/22/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.65	Inches/Hg			
Conductivity		421	umho/cm			
Depth to Water		11.96	ft			
Dissolved Oxygen		3.18	mg/L			
pH		6.3	Std Unit			
Temperature		68.9	deg F			
<b>METAL</b>						
Arsenic		0.008	mg/L		0.005	SW846-7060
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium	NU	0.025	mg/L		0.025	SW846-6010A
Mercury	UW	0.0002	mg/L		0.0002	SW846-7470
Selenium	UW	0.01	mg/L		0.01	SW846-7740
Uranium	U	0.05	mg/L		0.05	AS7300
<b>METAL-D</b>						
Arsenic, Dissolved		0.01	mg/L		0.005	SW846-7060
Uranium, Dissolved	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Technetium-99		229	pCi/L	19.1	18.2	RL-7100
<b>VOA</b>						
Trichloroethene	U	0.001	mg/L		0.001	SW846-8260

**MW86**

**404G02-02**

**C404 SEMI-ANNUAL MONITORING - JULY**

**MW86C4042-02**

Collected: 7/22/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.65	Inches/Hg			
Conductivity		219	umho/cm			
Depth to Water		45.47	ft			
Dissolved Oxygen		1.19	mg/L			
pH		5.9	Std Unit			
Temperature		67.9	deg F			
<b>METAL</b>						
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium	NU	0.025	mg/L		0.025	SW846-6010A
Mercury	UW	0.0002	mg/L		0.0002	SW846-7470
Selenium	UW	0.01	mg/L		0.01	SW846-7740
Uranium	U	0.05	mg/L		0.05	AS7300
<b>METAL-D</b>						
Uranium, Dissolved	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Technetium-99	U	4.9	pCi/L	12.4	18.2	RL-7100
<b>VOA</b>						
Trichloroethene		0.033	mg/L		0.001	SW846-8260

**MW87**

**404G02-02**

**C404 SEMI-ANNUAL MONITORING - JULY**

**MW87C4042-02**

Collected: 7/22/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.5	Inches/Hg			
Conductivity		263	umho/cm			
Depth to Water		45.4	ft			
Dissolved Oxygen		2.04	mg/L			
pH		5.97	Std Unit			
Temperature		66.7	deg F			
<b>METAL</b>						
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium	NU	0.025	mg/L		0.025	SW846-6010A
Mercury	UW	0.0002	mg/L		0.0002	SW846-7470
Selenium	UW	0.01	mg/L		0.01	SW846-7740
Uranium	U	0.05	mg/L		0.05	AS7300
<b>METAL-D</b>						
Uranium, Dissolved	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Technetium-99	U	9.31	pCi/L	12.6	18.2	RL-7100
<b>VOA</b>						
Trichloroethene		0.004	mg/L		0.001	SW846-8260

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**MW88**

**404G02-02**

**C404 SEMI-ANNUAL MONITORING - JULY**

**MW88C4042-02**

Collected: 7/22/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.53	Inches/Hg			
Conductivity		579	umho/cm			
Depth to Water		12.24	ft			
Dissolved Oxygen		1.16	mg/L			
pH		5.59	Std Unit			
Temperature		67.9	deg F			
<b>METAL</b>						
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium	NU	0.025	mg/L		0.025	SW846-6010A
Mercury	UW	0.0002	mg/L		0.0002	SW846-7470
Selenium	UW	0.01	mg/L		0.01	SW846-7740
Uranium	U	0.05	mg/L		0.05	AS7300
<b>METAL-D</b>						
Uranium, Dissolved	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Technetium-99		84.1	pCi/L	15.2	18.2	RL-7100
<b>VOA</b>						
Trichloroethene	X	0.004	mg/L		0.001	SW846-8260

**MW88DC4042-02**

Collected: 7/22/2002

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.53	Inches/Hg			
Conductivity		579	umho/cm			
Depth to Water		12.24	ft			
Dissolved Oxygen		1.16	mg/L			
pH		5.59	Std Unit			
Temperature		67.9	deg F			
<b>METAL</b>						
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium	NU	0.025	mg/L		0.025	SW846-6010A
Mercury	UW	0.0002	mg/L		0.0002	SW846-7470
Selenium	UW	0.01	mg/L		0.01	SW846-7740
Uranium	U	0.05	mg/L		0.05	AS7300
<b>METAL-D</b>						
Uranium, Dissolved	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Technetium-99		111	pCi/L	15.9	18.2	RL-7100
<b>VOA</b>						
Trichloroethene	X	0.004	mg/L		0.001	SW846-8260



**MW89**

**404G02-02**

**C404 SEMI-ANNUAL MONITORING - JULY**

**MW89C4042-02**

Collected: 7/22/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.5	Inches/Hg			
Conductivity		182	umho/cm			
Depth to Water		45.28	ft			
Dissolved Oxygen		1.21	mg/L			
pH		5.67	Std Unit			
Temperature		69.2	deg F			
<b>METAL</b>						
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium	NU	0.025	mg/L		0.025	SW846-6010A
Mercury	UW	0.0002	mg/L		0.0002	SW846-7470
Selenium	UW	0.01	mg/L		0.01	SW846-7740
Uranium	U	0.05	mg/L		0.05	AS7300
<b>METAL-D</b>						
Uranium, Dissolved	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Technetium-99	U	10	pCi/L	12.7	18.2	RL-7100
<b>VOA</b>						
Trichloroethene	U	0.001	mg/L		0.001	SW846-8260

**MW90A**

**404G02-02**

**C404 SEMI-ANNUAL MONITORING - JULY**

**MW90C4042-02**

Collected: 7/22/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.65	Inches/Hg			
Conductivity		240	umho/cm			
Depth to Water		43.86	ft			
Dissolved Oxygen		2.7	mg/L			
pH		6	Std Unit			
Temperature		71.1	deg F			
<b>METAL</b>						
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium	NU	0.025	mg/L		0.025	SW846-6010A
Mercury	UW	0.0002	mg/L		0.0002	SW846-7470
Selenium	UW	0.01	mg/L		0.01	SW846-7740
Uranium	U	0.05	mg/L		0.05	AS7300
<b>METAL-D</b>						
Uranium, Dissolved	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Technetium-99	U	3.86	pCi/L	12.3	18.2	RL-7100
<b>VOA</b>						
Trichloroethene	U	0.001	mg/L		0.001	SW846-8260

**MW91**

**404G02-02**

**C404 SEMI-ANNUAL MONITORING - JULY**

**MW91C4042-02**

Collected: 7/22/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.65	Inches/Hg			
Conductivity		441	umho/cm			
Depth to Water		11.27	ft			
Dissolved Oxygen		3.48	mg/L			
pH		5.7	Std Unit			
Temperature		69.6	deg F			
<b>METAL</b>						
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium	N	0.239	mg/L		0.025	SW846-6010A
Mercury	UW	0.0002	mg/L		0.0002	SW846-7470
Selenium	UW	0.01	mg/L		0.01	SW846-7740
Uranium	U	0.05	mg/L		0.05	AS7300
<b>METAL-D</b>						
Chromium, Dissolved	U	0.025	mg/L		0.025	SW846-6010A
Uranium, Dissolved	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Technetium-99		167	pCi/L	17.5	18.2	RL-7100
<b>VOA</b>						
Trichloroethene		0.062	mg/L		0.001	SW846-8260

**MW92**

**404G02-02**

**C404 SEMI-ANNUAL MONITORING - JULY**

**MW92C4042-02**

Collected: 7/22/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.65	Inches/Hg			
Conductivity		138	umho/cm			
Depth to Water		44.12	ft			
Dissolved Oxygen		0.91	mg/L			
pH		5.6	Std Unit			
Temperature		66.5	deg F			
<b>METAL</b>						
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium	NU	0.025	mg/L		0.025	SW846-6010A
Mercury	UW	0.0002	mg/L		0.0002	SW846-7470
Selenium	UW	0.01	mg/L		0.01	SW846-7740
Uranium	U	0.05	mg/L		0.05	AS7300
<b>METAL-D</b>						
Uranium, Dissolved	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Technetium-99		19.2	pCi/L	13	18.2	RL-7100
<b>VOA</b>						
Trichloroethene	U	0.001	mg/L		0.001	SW846-8260

**MW93**

**404G02-02**

**C404 SEMI-ANNUAL MONITORING - JULY**

**MW93C4042-02**

Collected: 7/23/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.5	Inches/Hg			
Conductivity		227	umho/cm			
Depth to Water		47.05	ft			
Dissolved Oxygen		1.35	mg/L			
pH		5.74	Std Unit			
Temperature		63.6	deg F			
<b>METAL</b>						
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium	NU	0.025	mg/L		0.025	SW846-6010A
Mercury	UW	0.0002	mg/L		0.0002	SW846-7470
Selenium	UW	0.01	mg/L		0.01	SW846-7740
Uranium	U	0.05	mg/L		0.05	AS7300
<b>METAL-D</b>						
Uranium, Dissolved	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Technetium-99	U	9.92	pCi/L	12.5	18.2	RL-7100
<b>VOA</b>						
Trichloroethene		0.075	mg/L		0.001	SW846-8260

**MW94**

**404G02-02**

**C404 SEMI-ANNUAL MONITORING - JULY**

**MW94C4042-02**

Collected: 7/23/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.56	Inches/Hg			
Conductivity		1146	umho/cm			
Depth to Water		14.46	ft			
Dissolved Oxygen		1.22	mg/L			
pH		6.1	Std Unit			
Temperature		66	deg F			
<b>METAL</b>						
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium	N	0.078	mg/L		0.025	SW846-6010A
Mercury	UW	0.0002	mg/L		0.0002	SW846-7470
Selenium	UW	0.01	mg/L		0.01	SW846-7740
Uranium	U	0.05	mg/L		0.05	AS7300
<b>METAL-D</b>						
Chromium, Dissolved	U	0.025	mg/L		0.025	SW846-6010A
Uranium, Dissolved		0.002	mg/L		0.001	IN7105
<b>RADS</b>						
Technetium-99		423	pCi/L	23.3	18.2	RL-7100
<b>VOA</b>						
Trichloroethene		0.016	mg/L		0.001	SW846-8260

**MW95A**

**404G02-02**

**C404 SEMI-ANNUAL MONITORING - JULY**

**MW95C4042-02**

Collected: 7/23/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.65	Inches/Hg			
Conductivity		230	umho/cm			
Depth to Water		46.5	ft			
Dissolved Oxygen		2.08	mg/L			
pH		5.9	Std Unit			
Temperature		67.4	deg F			
<b>METAL</b>						
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium	NU	0.025	mg/L		0.025	SW846-6010A
Mercury	UW	0.0002	mg/L		0.0002	SW846-7470
Selenium	UW	0.01	mg/L		0.01	SW846-7740
Uranium	U	0.05	mg/L		0.05	AS7300
<b>METAL-D</b>						
Uranium, Dissolved	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Technetium-99		20.2	pCi/L	12.9	18.2	RL-7100
<b>VOA</b>						
Trichloroethene		0.039	mg/L		0.001	SW846-8260

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**MW226**

**404G03-01**

## C404 SEMI-ANNUAL MONITORING - JANUARY 404G03-01

**MW226C4041-03**

Collected: 1/21/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.85	Inches/Hg			
Conductivity		329	umho/cm			
Depth to Water		53.29	ft			
Dissolved Oxygen		0.52	mg/L			
pH		6.1	Std Unit			
Redox		165	mV			
Temperature		57.1	deg F			
<b>METAL</b>						
Cadmium	UW	0.005	mg/L		0.005	SW846-7131
Chromium		0.195	mg/L		0.025	SW846-6010A
Mercury	UW	0.0002	mg/L		0.0002	SW846-7470
Selenium	U	0.01	mg/L		0.01	SW846-7740
<b>METAL-D</b>						
Chromium, Dissolved	U	0.025	mg/L		0.025	SW846-6010A
Uranium, Dissolved	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Technetium-99		134	pCi/L	17	18.2	RL-7100
<b>VOA</b>						
Trichloroethene	DX	0.23	mg/L		0.005	SW846-8260



**MW227**

**404G03-01**

**C404 SEMI-ANNUAL MONITORING - JANUARY 404G03-01**

**MW227C4041-03**

Collected: 1/21/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.85	Inches/Hg			
Conductivity		245	umho/cm			
Depth to Water		53.56	ft			
Dissolved Oxygen		4.9	mg/L			
pH		6.3	Std Unit			
Redox		150	mV			
Temperature		55.5	deg F			
<b>METAL</b>						
Cadmium	UW	0.005	mg/L		0.005	SW846-7131
Chromium		0.157	mg/L		0.025	SW846-6010A
Mercury	UW	0.0002	mg/L		0.0002	SW846-7470
Selenium	U	0.01	mg/L		0.01	SW846-7740
<b>METAL-D</b>						
Chromium, Dissolved	U	0.025	mg/L		0.025	SW846-6010A
Uranium, Dissolved	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Technetium-99	U	9.75	pCi/L	13.2	18.2	RL-7100
<b>VOA</b>						
Trichloroethene		0.024	mg/L		0.001	SW846-8260

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**MW84**

**404G03-01**

## C404 SEMI-ANNUAL MONITORING - JANUARY 404G03-01

**MW84C4041-03**

Collected: 1/22/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		30.06	Inches/Hg			
Conductivity		217	umho/cm			
Depth to Water		51.45	ft			
Dissolved Oxygen		1.19	mg/L			
pH		6	Std Unit			
Redox		250	mV			
Temperature		56.1	deg F			
<b>METAL</b>						
Cadmium	UW	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.025	mg/L		0.025	SW846-6010A
Mercury	UW	0.0002	mg/L		0.0002	SW846-7470
Selenium	U	0.01	mg/L		0.01	SW846-7740
<b>METAL-D</b>						
Uranium, Dissolved	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Technetium-99	U	-4.38	pCi/L	0	18.2	RL-7100
<b>VOA</b>						
Trichloroethene		0.082	mg/L		0.001	SW846-8260

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**MW85**

**404G03-01**

## C404 SEMI-ANNUAL MONITORING - JANUARY 404G03-01

**MW85C4041-03**

Collected: 1/22/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		30.06	Inches/Hg			
Conductivity		414	umho/cm			
Depth to Water		12.95	ft			
Dissolved Oxygen		1.47	mg/L			
pH		6.3	Std Unit			
Redox		240	mV			
Temperature		56.3	deg F			
<b>METAL</b>						
Cadmium	UW	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.025	mg/L		0.025	SW846-6010A
Mercury	UW	0.0002	mg/L		0.0002	SW846-7470
Selenium	U	0.01	mg/L		0.01	SW846-7740
<b>METAL-D</b>						
Uranium, Dissolved	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Technetium-99		239	pCi/L	19.6	18.2	RL-7100
<b>VOA</b>						
Trichloroethene	U	0.001	mg/L		0.001	SW846-8260

MW86

404G03-01

C404 SEMI-ANNUAL MONITORING - JANUARY 404G03-01

MW86C4041-03

Collected: 1/22/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		30.06	Inches/Hg			
Conductivity		216	umho/cm			
Depth to Water		51.46	ft			
Dissolved Oxygen		0.8	mg/L			
pH		6.1	Std Unit			
Redox		245	mV			
Temperature		56.2	deg F			
<b>METAL</b>						
Cadmium	UW	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.025	mg/L		0.025	SW846-6010A
Mercury	UW	0.0002	mg/L		0.0002	SW846-7470
Selenium	U	0.01	mg/L		0.01	SW846-7740
<b>METAL-D</b>						
Uranium, Dissolved	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Technetium-99	U	-1.27	pCi/L	0	18.2	RL-7100
<b>VOA</b>						
Trichloroethene		0.043	mg/L		0.001	SW846-8260

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**MW87**

**404G03-01**

## C404 SEMI-ANNUAL MONITORING - JANUARY 404G03-01

**MW87C4041-03**

Collected: 1/22/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		30.06	Inches/Hg			
Conductivity		269	umho/cm			
Depth to Water		51.5	ft			
Dissolved Oxygen		2.49	mg/L			
pH		6.03	Std Unit			
Redox		195	mV			
Temperature		581	deg F			
<b>METAL</b>						
Cadmium	UW	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.025	mg/L		0.025	SW846-6010A
Mercury	UW	0.0002	mg/L		0.0002	SW846-7470
Selenium	U	0.01	mg/L		0.01	SW846-7740
<b>METAL-D</b>						
Uranium, Dissolved	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Technetium-99	U	0.0577	pCi/L	11.5	18.2	RL-7100
<b>VOA</b>						
Trichloroethene		0.006	mg/L		0.001	SW846-8260

**MW88**

**404G03-01**

**C404 SEMI-ANNUAL MONITORING - JANUARY 404G03-01**

**MW88C4041-03**

Collected: 1/21/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.88	Inches/Hg			
Conductivity		565	umho/cm			
Depth to Water		12.94	ft			
Dissolved Oxygen		3.75	mg/L			
pH		5.55	Std Unit			
Redox		230	mV			
Temperature		61	deg F			
<b>METAL</b>						
Cadmium	UW	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.025	mg/L		0.025	SW846-6010A
Mercury	UW	0.0002	mg/L		0.0002	SW846-7470
Selenium	U	0.01	mg/L		0.01	SW846-7740
<b>METAL-D</b>						
Uranium, Dissolved	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Technetium-99		38.1	pCi/L	14.1	18.2	RL-7100
<b>VOA</b>						
Trichloroethene		0.004	mg/L		0.001	SW846-8260

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**MW89**

**404G03-01**

## C404 SEMI-ANNUAL MONITORING - JANUARY 404G03-01

**MW89C4041-03**

Collected: 1/21/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.88	Inches/Hg			
Conductivity		180	umho/cm			
Depth to Water		50.95	ft			
Dissolved Oxygen		2.16	mg/L			
pH		5.64	Std Unit			
Redox		230	mV			
Temperature		61.2	deg F			
<b>METAL</b>						
Cadmium	UW	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.025	mg/L		0.025	SW846-6010A
Mercury	UW	0.0002	mg/L		0.0002	SW846-7470
Selenium	U	0.01	mg/L		0.01	SW846-7740
<b>METAL-D</b>						
Uranium, Dissolved	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Technetium-99	U	-6.63	pCi/L	0	18.2	RL-7100
<b>VOA</b>						
Trichloroethene	U	0.001	mg/L		0.001	SW846-8260

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MW90A

404G03-01

C404 SEMI-ANNUAL MONITORING - JANUARY 404G03-01

MW90AC4041-03

Collected: 1/21/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.88	Inches/Hg			
Conductivity		232	umho/cm			
Depth to Water		49.44	ft			
Dissolved Oxygen		1.39	mg/L			
pH		5.89	Std Unit			
Redox		190	mV			
Temperature		61.3	deg F			
<b>METAL</b>						
Cadmium	UW	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.025	mg/L		0.025	SW846-6010A
Mercury	UW	0.0002	mg/L		0.0002	SW846-7470
Selenium	U	0.01	mg/L		0.01	SW846-7740
<b>METAL-D</b>						
Uranium, Dissolved	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Technetium-99	U	-2.77	pCi/L	0	18.2	RL-7100
<b>VOA</b>						
Trichloroethene	U	0.001	mg/L		0.001	SW846-8260



**MW91**

**404G03-01**

**C404 SEMI-ANNUAL MONITORING - JANUARY 404G03-01**

**MW91C4041-03**

Collected: 1/21/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.88	Inches/Hg			
Conductivity		427	umho/cm			
Depth to Water		12.05	ft			
Dissolved Oxygen		7.69	mg/L			
pH		5.6	Std Unit			
Redox		225	mV			
Temperature		61.3	deg F			
<b>METAL</b>						
Cadmium	UW	0.005	mg/L		0.005	SW846-7131
Chromium		0.091	mg/L		0.025	SW846-6010A
Mercury	UW	0.0002	mg/L		0.0002	SW846-7470
Selenium	U	0.01	mg/L		0.01	SW846-7740
<b>METAL-D</b>						
Chromium, Dissolved	U	0.025	mg/L		0.025	SW846-6010A
Uranium, Dissolved	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Technetium-99		230	pCi/L	19.4	18.2	RL-7100
<b>VOA</b>						
Trichloroethene		0.068	mg/L		0.001	SW846-8260

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**MW92**

**404G03-01**

**C404 SEMI-ANNUAL MONITORING - JANUARY 404G03-01**

**MW92C4041-03**

Collected: 1/21/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.88	Inches/Hg			
Conductivity		137.1	umho/cm			
Depth to Water		49.75	ft			
Dissolved Oxygen		3.57	mg/L			
pH		5.38	Std Unit			
Redox		240	mV			
Temperature		58.9	deg F			
<b>METAL</b>						
Cadmium	UW	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.025	mg/L		0.025	SW846-6010A
Mercury	UW	0.0002	mg/L		0.0002	SW846-7470
Selenium	U	0.01	mg/L		0.01	SW846-7740
<b>METAL-D</b>						
Uranium, Dissolved	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Technetium-99	U	-13.6	pCi/L	0	18.2	RL-7100
<b>VOA</b>						
Trichloroethene	U	0.001	mg/L		0.001	SW846-8260

**MW92DC4041-03**

Collected: 1/21/2003

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.88	Inches/Hg			
Conductivity		137.1	umho/cm			
Depth to Water		49.75	ft			
Dissolved Oxygen		3.57	mg/L			
pH		5.38	Std Unit			
Redox		240	mV			
Temperature		58.9	deg F			
<b>METAL</b>						
Cadmium	UW	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.025	mg/L		0.025	SW846-6010A
Mercury	UW	0.0002	mg/L		0.0002	SW846-7470
Selenium	U	0.01	mg/L		0.01	SW846-7740
<b>METAL-D</b>						
Uranium, Dissolved	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Technetium-99	U	4.1	pCi/L	12.9	18.2	RL-7100
<b>VOA</b>						
Trichloroethene	U	0.001	mg/L		0.001	SW846-8260

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**MW93**

**404G03-01**

## C404 SEMI-ANNUAL MONITORING - JANUARY 404G03-01

**MW93C4041-03**

Collected: 1/21/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.85	Inches/Hg			
Conductivity		231	umho/cm			
Depth to Water		52.76	ft			
Dissolved Oxygen		0.6	mg/L			
pH		6.1	Std Unit			
Redox		140	mV			
Temperature		56.4	deg F			
<b>METAL</b>						
Cadmium	UW	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.025	mg/L		0.025	SW846-6010A
Mercury	UW	0.0002	mg/L		0.0002	SW846-7470
Selenium	U	0.01	mg/L		0.01	SW846-7740
<b>METAL-D</b>						
Uranium, Dissolved	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Technetium-99	U	3.86	pCi/L	13.1	18.2	RL-7100
<b>VOA</b>						
Trichloroethene	DX	0.12	mg/L		0.002	SW846-8260

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**MW94**

**404G03-01**

## C404 SEMI-ANNUAL MONITORING - JANUARY 404G03-01

**MW94C4041-03**

Collected: 1/21/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.85	Inches/Hg			
Conductivity		1173	umho/cm			
Depth to Water		14.65	ft			
Dissolved Oxygen		0.41	mg/L			
pH		6.2	Std Unit			
Redox		170	mV			
Temperature		56.7	deg F			
<b>METAL</b>						
Cadmium	UW	0.005	mg/L		0.005	SW846-7131
Chromium		0.097	mg/L		0.025	SW846-6010A
Mercury	UW	0.0002	mg/L		0.0002	SW846-7470
Selenium	U	0.01	mg/L		0.01	SW846-7740
<b>METAL-D</b>						
Chromium, Dissolved	U	0.025	mg/L		0.025	SW846-6010A
Uranium, Dissolved		0.002	mg/L		0.001	IN7105
<b>RADS</b>						
Technetium-99		332	pCi/L	21.7	18.2	RL-7100
<b>VOA</b>						
Trichloroethene		0.017	mg/L		0.001	SW846-8260

**MW95A**

**404G03-01**

**C404 SEMI-ANNUAL MONITORING - JANUARY 404G03-01**

**MW95AC4041-03**

Collected: 1/21/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.85	Inches/Hg			
Conductivity		229	umho/cm			
Depth to Water		52.05	ft			
Dissolved Oxygen		0.32	mg/L			
pH		6.1	Std Unit			
Redox		185	mV			
Temperature		54.2	deg F			
<b>METAL</b>						
Cadmium	UW	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.025	mg/L		0.025	SW846-6010A
Mercury	UW	0.0002	mg/L		0.0002	SW846-7470
Selenium	U	0.01	mg/L		0.01	SW846-7740
<b>METAL-D</b>						
Uranium, Dissolved	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Technetium-99	U	15.7	pCi/L	13.4	18.2	RL-7100
<b>VOA</b>						
Trichloroethene		0.053	mg/L		0.001	SW846-8260

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MW226

404G03-02

C404 SEMI-ANNUAL MONITORING - JULY 404G03-02

MW226C4042-03

Collected: 7/23/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.91	Inches/Hg			
Conductivity		329	umho/cm			
Depth to Water		48.3	ft			
Dissolved Oxygen		0.96	mg/L			
pH		6.28	Std Unit			
Redox		239	mV			
Temperature		62.9	deg F			
Turbidity		57	NTU			
<b>METAL</b>						
Cadmium	BU	0.005	mg/L		0.005	SW846-7131
Chromium		0.162	mg/L		0.025	SW846-6010A
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470
Selenium	UW	0.01	mg/L		0.01	SW846-7740
<b>METAL-D</b>						
Chromium, Dissolved	U	0.025	mg/L		0.025	SW846-6010A
Uranium, Dissolved	*U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Technetium-99		98.9	pCi/L	14.8	16.7	RL-7100
<b>VOA</b>						
Trichloroethene	DX	0.13	mg/L		0.001	SW846-8260

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**MW227**

**404G03-02**

## C404 SEMI-ANNUAL MONITORING - JULY 404G03-02

**MW227C4042-03**

Collected: 7/23/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.91	Inches/Hg			
Conductivity		266	umho/cm			
Depth to Water		48.5	ft			
Dissolved Oxygen		4.51	mg/L			
pH		6.39	Std Unit			
Redox		239	mV			
Temperature		63.5	deg F			
Turbidity		55.6	NTU			
<b>METAL</b>						
Cadmium	BU	0.005	mg/L		0.005	SW846-7131
Chromium		0.242	mg/L		0.025	SW846-6010A
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470
Selenium	UW	0.01	mg/L		0.01	SW846-7740
<b>METAL-D</b>						
Chromium, Dissolved	U	0.025	mg/L		0.025	SW846-6010A
Uranium, Dissolved	*U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Technetium-99		22.5	pCi/L	12.3	16.7	RL-7100
<b>VOA</b>						
Trichloroethene		0.026	mg/L		0.001	SW846-8260

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**MW84**

**404G03-02**

**C404 SEMI-ANNUAL MONITORING - JULY 404G03-02**

**MW84C4042-03**

Collected: 7/21/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.65	Inches/Hg			
Conductivity		228	umho/cm			
Depth to Water		45.41	ft			
Dissolved Oxygen		1.65	mg/L			
pH		6.2	Std Unit			
Redox		152	mV			
Temperature		65.8	deg F			
Turbidity		3.7	NTU			
<b>METAL</b>						
Cadmium	BU	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.025	mg/L		0.025	SW846-6010A
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470
Selenium	UW	0.01	mg/L		0.01	SW846-7740
<b>METAL-D</b>						
Uranium, Dissolved	*U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Technetium-99	U	-0.667	pCi/L	0	16.7	RL-7100
<b>VOA</b>						
Trichloroethene	X	0.078	mg/L		0.001	SW846-8260

**MW84DC4042-03**

Collected: 7/21/2003

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.65	Inches/Hg			
Conductivity		228	umho/cm			
Depth to Water		45.41	ft			
Dissolved Oxygen		1.65	mg/L			
pH		6.2	Std Unit			
Redox		152	mV			
Temperature		65.8	deg F			
Turbidity		3.7	NTU			
<b>METAL</b>						
Cadmium	BU	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.025	mg/L		0.025	SW846-6010A
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470
Selenium	UW	0.01	mg/L		0.01	SW846-7740
<b>METAL-D</b>						
Uranium, Dissolved	*U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Technetium-99	U	-3.83	pCi/L	0	16.7	RL-7100
<b>VOA</b>						
Trichloroethene	X	0.087	mg/L		0.001	SW846-8260



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**MW85**

**404G03-02**

## C404 SEMI-ANNUAL MONITORING - JULY 404G03-02

**MW85C4042-03**

Collected: 7/21/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.65	Inches/Hg			
Conductivity		416	umho/cm			
Depth to Water		11.05	ft			
Dissolved Oxygen		3.03	mg/L			
pH		6.52	Std Unit			
Redox		133	mV			
Temperature		68.3	deg F			
Turbidity		8.7	NTU			
<b>METAL</b>						
Cadmium	BU	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.025	mg/L		0.025	SW846-6010A
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470
Selenium	UW	0.01	mg/L		0.01	SW846-7740
<b>METAL-D</b>						
Uranium, Dissolved	*U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Technetium-99		134	pCi/L	15.8	16.7	RL-7100
<b>VOA</b>						
Trichloroethene	U	0.001	mg/L		0.001	SW846-8260

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**MW86**

**404G03-02**

## C404 SEMI-ANNUAL MONITORING - JULY 404G03-02

**MW86C4042-03**

Collected: 7/21/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.65	Inches/Hg			
Conductivity		231	umho/cm			
Depth to Water		45.55	ft			
Dissolved Oxygen		1.47	mg/L			
pH		6.23	Std Unit			
Redox		154	mV			
Temperature		66.8	deg F			
Turbidity		86.2	NTU			
<b>METAL</b>						
Cadmium	BU	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.025	mg/L		0.025	SW846-6010A
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470
Selenium	UW	0.01	mg/L		0.01	SW846-7740
<b>METAL-D</b>						
Uranium, Dissolved	*U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Technetium-99	U	-6.72	pCi/L	0	16.7	RL-7100
<b>VOA</b>						
Trichloroethene		0.06	mg/L		0.001	SW846-8260

**MW87**

**404G03-02**

**C404 SEMI-ANNUAL MONITORING - JULY 404G03-02**

**MW87C4042-03**

Collected: 7/23/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.88	Inches/Hg			
Conductivity		278	umho/cm			
Depth to Water		45.7	ft			
Dissolved Oxygen		2.33	mg/L			
pH		6.43	Std Unit			
Redox		271	mV			
Temperature		62.9	deg F			
Turbidity		10.9	NTU			
<b>METAL</b>						
Cadmium	BU	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.025	mg/L		0.025	SW846-6010A
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470
Selenium	UW	0.01	mg/L		0.01	SW846-7740
<b>METAL-D</b>						
Uranium, Dissolved	*U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Technetium-99	U	0.445	pCi/L	12.1	16.7	RL-7100
<b>VOA</b>						
Trichloroethene		0.008	mg/L		0.001	SW846-8260

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**MW88**

**404G03-02**

## C404 SEMI-ANNUAL MONITORING - JULY 404G03-02

**MW88C4042-03**

Collected: 7/23/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.91	Inches/Hg			
Conductivity		599	umho/cm			
Depth to Water		11.53	ft			
Dissolved Oxygen		0.86	mg/L			
pH		5.99	Std Unit			
Redox		253	mV			
Temperature		63.6	deg F			
Turbidity		54	NTU			
<b>METAL</b>						
Cadmium	BU	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.025	mg/L		0.025	SW846-6010A
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470
Selenium	UW	0.01	mg/L		0.01	SW846-7740
<b>METAL-D</b>						
Uranium, Dissolved	*U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Technetium-99		49.8	pCi/L	13.3	16.7	RL-7100
<b>VOA</b>						
Trichloroethene	X	0.004	mg/L		0.001	SW846-8260

MW89

404G03-02

C404 SEMI-ANNUAL MONITORING - JULY 404G03-02

MW89C4042-03

Collected: 7/23/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.91	Inches/Hg			
Conductivity		189	umho/cm			
Depth to Water		45.63	ft			
Dissolved Oxygen		1.73	mg/L			
pH		6.19	Std Unit			
Redox		252	mV			
Temperature		64.5	deg F			
Turbidity		10.5	NTU			
<b>METAL</b>						
Cadmium	BU	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.025	mg/L		0.025	SW846-6010A
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470
Selenium	UW	0.01	mg/L		0.01	SW846-7740
<b>METAL-D</b>						
Uranium, Dissolved	*U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Technetium-99	U	12.3	pCi/L	12	16.7	RL-7100
<b>VOA</b>						
Trichloroethene	U	0.001	mg/L		0.001	SW846-8260

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MW90A

404G03-02

C404 SEMI-ANNUAL MONITORING - JULY 404G03-02

MW90AC4042-03

Collected: 7/22/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.77	Inches/Hg			
Conductivity		293	umho/cm			
Depth to Water		43.91	ft			
Dissolved Oxygen		1.5	mg/L			
pH		6.51	Std Unit			
Redox		207	mV			
Temperature		63.6	deg F			
Turbidity		3.6	NTU			
<b>METAL</b>						
Cadmium	BU	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.025	mg/L		0.025	SW846-6010A
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470
Selenium	UW	0.01	mg/L		0.01	SW846-7740
<b>METAL-D</b>						
Uranium, Dissolved	*U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Technetium-99	U	4.83	pCi/L	11.7	16.7	RL-7100
<b>VOA</b>						
Trichloroethene	U	0.001	mg/L		0.001	SW846-8260

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**MW91**

**404G03-02**

## C404 SEMI-ANNUAL MONITORING - JULY 404G03-02

**MW91C4042-03**

Collected: 7/22/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.77	Inches/Hg			
Conductivity		456	umho/cm			
Depth to Water		11.12	ft			
Dissolved Oxygen		3.14	mg/L			
pH		6.04	Std Unit			
Redox		221	mV			
Temperature		67.7	deg F			
Turbidity		98.5	NTU			
<b>METAL</b>						
Cadmium	BU	0.005	mg/L		0.005	SW846-7131
Chromium		0.236	mg/L		0.025	SW846-6010A
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470
Selenium	UW	0.01	mg/L		0.01	SW846-7740
<b>METAL-D</b>						
Chromium, Dissolved	U	0.025	mg/L		0.025	SW846-6010A
Uranium, Dissolved	*U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Technetium-99	U	-8.06	pCi/L	0	16.7	RL-7100
<b>VOA</b>						
Trichloroethene		0.066	mg/L		0.001	SW846-8260

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**MW92**

**404G03-02**

## C404 SEMI-ANNUAL MONITORING - JULY 404G03-02

**MW92C4042-03**

Collected: 7/22/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.77	Inches/Hg			
Conductivity		146	umho/cm			
Depth to Water		44.26	ft			
Dissolved Oxygen		1.28	mg/L			
pH		5.97	Std Unit			
Redox		227	mV			
Temperature		66.8	deg F			
Turbidity		40.2	NTU			
<b>METAL</b>						
Cadmium	BU	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.025	mg/L		0.025	SW846-6010A
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470
Selenium	UW	0.01	mg/L		0.01	SW846-7740
<b>METAL-D</b>						
Uranium, Dissolved	*U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Technetium-99	U	1.22	pCi/L	11.6	16.7	RL-7100
<b>VOA</b>						
Trichloroethene	U	0.001	mg/L		0.001	SW846-8260



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**MW93**

**404G03-02**

## C404 SEMI-ANNUAL MONITORING - JULY 404G03-02

**MW93C4042-03**

Collected: 7/22/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.8	Inches/Hg			
Conductivity		239	umho/cm			
Depth to Water		47.03	ft			
Dissolved Oxygen		1.4	mg/L			
pH		6.23	Std Unit			
Redox		204	mV			
Temperature		64.5	deg F			
Turbidity		5.9	NTU			
<b>METAL</b>						
Cadmium	BU	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.025	mg/L		0.025	SW846-6010A
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470
Selenium	UW	0.01	mg/L		0.01	SW846-7740
<b>METAL-D</b>						
Uranium, Dissolved	*U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Technetium-99	U	3.11	pCi/L	11.6	16.7	RL-7100
<b>VOA</b>						
Trichloroethene	X	0.11	mg/L		0.001	SW846-8260

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**MW94**

**404G03-02**

## C404 SEMI-ANNUAL MONITORING - JULY 404G03-02

**MW94C4042-03**

Collected: 7/22/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.8	Inches/Hg			
Conductivity		1170	umho/cm			
Depth to Water		13.85	ft			
Dissolved Oxygen		1.05	mg/L			
pH		6.44	Std Unit			
Redox		192	mV			
Temperature		64.6	deg F			
Turbidity		116	NTU			
<b>METAL</b>						
Arsenic		0.01	mg/L		0.005	SW846-7060
Cadmium	BU	0.005	mg/L		0.005	SW846-7131
Chromium		0.084	mg/L		0.025	SW846-6010A
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470
Selenium	UW	0.01	mg/L		0.01	SW846-7740
<b>METAL-D</b>						
Arsenic, Dissolved	UW	0.005	mg/L		0.005	SW846-7060
Chromium, Dissolved	U	0.025	mg/L		0.025	SW846-6010A
Uranium, Dissolved	*	0.002	mg/L		0.001	IN7105
<b>RADS</b>						
Technetium-99		494	pCi/L	23.7	16.7	RL-7100
<b>VOA</b>						
Trichloroethene		0.013	mg/L		0.001	SW846-8260

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**MW95A**

**404G03-02**

## C404 SEMI-ANNUAL MONITORING - JULY 404G03-02

**MW95AC4042-03**

Collected: 7/22/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.8	Inches/Hg			
Conductivity		245	umho/cm			
Depth to Water		46.45	ft			
Dissolved Oxygen		0.9	mg/L			
pH		6.24	Std Unit			
Redox		162	mV			
Temperature		65.2	deg F			
Turbidity		4	NTU			
<b>METAL</b>						
Cadmium	BU	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.025	mg/L		0.025	SW846-6010A
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470
Selenium	UW	0.01	mg/L		0.01	SW846-7740
<b>METAL-D</b>						
Uranium, Dissolved	*U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Technetium-99	U	8.28	pCi/L	11.9	16.7	RL-7100
<b>VOA</b>						
Trichloroethene		0.06	mg/L		0.001	SW846-8260

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MW226

404G04-01

C404 SEMI-ANNUAL MONITORING - JANUARY - 404G04-01

MW226C4041-04

Collected: 1/21/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		30.18	Inches/Hg			
Conductivity		369	umho/cm			
Depth to Water		53.21	ft			
Dissolved Oxygen		1.8	mg/L			
pH		6.1	Std Unit			
Redox		166	mV			
Temperature		54.7	deg F			
Turbidity		57.7	NTU			
<b>METAL</b>						
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium		0.209	mg/L		0.025	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Selenium	U	0.01	mg/L		0.01	SW846-7740
<b>METAL-D</b>						
Chromium, Dissolved	U	0.025	mg/L		0.025	SW846-6010A
Uranium, Dissolved	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Technetium-99		146	pCi/L	16.5	17.4	RL-7100
Uranium-235		0.703	wt %			AS7300
<b>VOA</b>						
Trichloroethene	D	0.28	mg/L		0.005	SW846-8260

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**MW227**

**404G04-01**

**C404 SEMI-ANNUAL MONITORING - JANUARY - 404G04-01**

**MW227C4041-04**

Collected: 1/21/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		30.18	Inches/Hg			
Conductivity		264	umho/cm			
Depth to Water		53.35	ft			
Dissolved Oxygen		5.37	mg/L			
pH		6.3	Std Unit			
Redox		180	mV			
Temperature		54.8	deg F			
Turbidity		47.3	NTU			
<b>METAL</b>						
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium		0.381	mg/L		0.025	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Selenium	U	0.01	mg/L		0.01	SW846-7740
<b>METAL-D</b>						
Chromium, Dissolved	U	0.025	mg/L		0.025	SW846-6010A
Uranium, Dissolved	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Technetium-99	U	17	pCi/L	12.4	17.4	RL-7100
<b>VOA</b>						
Trichloroethene		0.031	mg/L		0.001	SW846-8260

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**MW84**

**404G04-01**

## C404 SEMI-ANNUAL MONITORING - JANUARY - 404G04-01

**MW84C4041-04**

Collected: 1/21/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		30.18	Inches/Hg			
Conductivity		227	umho/cm			
Depth to Water		50.7	ft			
Dissolved Oxygen		2.07	mg/L			
pH		6.47	Std Unit			
Redox		182	mV			
Temperature		56.8	deg F			
Turbidity		4.8	NTU			
<b>METAL</b>						
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.025	mg/L		0.025	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Selenium	U	0.01	mg/L		0.01	SW846-7740
<b>METAL-D</b>						
Uranium, Dissolved	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Technetium-99	U	5.6	pCi/L	12	17.4	RL-7100
<b>VOA</b>						
Trichloroethene		0.12	mg/L		0.001	SW846-8260

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MW85

404G04-01

C404 SEMI-ANNUAL MONITORING - JANUARY - 404G04-01

MW85C4041-04

Collected: 1/21/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		30.18	Inches/Hg			
Conductivity		398	umho/cm			
Depth to Water		12.89	ft			
Dissolved Oxygen		2.33	mg/L			
pH		6.67	Std Unit			
Redox		210	mV			
Temperature		58.8	deg F			
Turbidity		13.3	NTU			
<b>METAL</b>						
Arsenic		0.011	mg/L		0.005	SW846-7060
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.025	mg/L		0.025	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Selenium	U	0.01	mg/L		0.01	SW846-7740
<b>METAL-D</b>						
Arsenic, Dissolved	W	0.012	mg/L		0.005	SW846-7060
Uranium, Dissolved	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Technetium-99		192	pCi/L	17.7	17.4	RL-7100
<b>VOA</b>						
Trichloroethene	U	0.001	mg/L		0.001	SW846-8260

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**MW86**

**404G04-01**

## C404 SEMI-ANNUAL MONITORING - JANUARY - 404G04-01

**MW86C4041-04**

Collected: 1/20/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		30.24	Inches/Hg			
Conductivity		227	umho/cm			
Depth to Water		50.84	ft			
Dissolved Oxygen		1.84	mg/L			
pH		6.63	Std Unit			
Redox		167	mV			
Temperature		57.3	deg F			
Turbidity		119	NTU			
<b>METAL</b>						
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.025	mg/L		0.025	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Selenium	U	0.01	mg/L		0.01	SW846-7740
<b>METAL-D</b>						
Uranium, Dissolved	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Technetium-99	U	13.9	pCi/L	11.4	16.2	RL-7100
<b>VOA</b>						
Trichloroethene		0.068	mg/L		0.001	SW846-8260



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**MW87**

**404G04-01**

## C404 SEMI-ANNUAL MONITORING - JANUARY - 404G04-01

**MW87C4041-04**

Collected: 1/20/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		30.24	Inches/Hg			
Conductivity		275	umho/cm			
Depth to Water		50.75	ft			
Dissolved Oxygen		2.67	mg/L			
pH		6.62	Std Unit			
Redox		199	mV			
Temperature		58.2	deg F			
Turbidity		16.7	NTU			
<b>METAL</b>						
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.025	mg/L		0.025	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Selenium	U	0.01	mg/L		0.01	SW846-7740
<b>METAL-D</b>						
Uranium, Dissolved	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Technetium-99	U	8.41	pCi/L	11.2	16.2	RL-7100
<b>VOA</b>						
Trichloroethene		0.011	mg/L		0.001	SW846-8260

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**MW88**

**404G04-01**

## C404 SEMI-ANNUAL MONITORING - JANUARY - 404G04-01

**MW88C4041-04**

Collected: 1/20/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		30.28	Inches/Hg			
Conductivity		593	umho/cm			
Depth to Water		13.3	ft			
Dissolved Oxygen		1.22	mg/L			
pH		6.13	Std Unit			
Redox		223	mV			
Temperature		59.5	deg F			
Turbidity		73.8	NTU			
<b>METAL</b>						
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.025	mg/L		0.025	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Selenium	U	0.01	mg/L		0.01	SW846-7740
<b>METAL-D</b>						
Uranium, Dissolved	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Technetium-99		47.4	pCi/L	12.6	16.2	RL-7100
<b>VOA</b>						
Trichloroethene		0.003	mg/L		0.001	SW846-8260

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**MW89**

**404G04-01**

## C404 SEMI-ANNUAL MONITORING - JANUARY - 404G04-01

**MW89C4041-04**

Collected: 1/20/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		30.24	Inches/Hg			
Conductivity		189	umho/cm			
Depth to Water		50.95	ft			
Dissolved Oxygen		2.21	mg/L			
pH		6.41	Std Unit			
Redox		185	mV			
Temperature		58.7	deg F			
Turbidity		13.8	NTU			
<b>METAL</b>						
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.025	mg/L		0.025	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Selenium	U	0.01	mg/L		0.01	SW846-7740
<b>METAL-D</b>						
Uranium, Dissolved	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Technetium-99	U	11.2	pCi/L	11.3	16.2	RL-7100
<b>VOA</b>						
Trichloroethene	U	0.001	mg/L		0.001	SW846-8260

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**MW90A**

**404G04-01**

## C404 SEMI-ANNUAL MONITORING - JANUARY - 404G04-01

**MW90AC4041-04**

Collected: 1/20/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		30.24	Inches/Hg			
Conductivity		325	umho/cm			
Depth to Water		49.25	ft			
Dissolved Oxygen		1	mg/L			
pH		6.69	Std Unit			
Redox		22	mV			
Temperature		59.9	deg F			
Turbidity		6.8	NTU			
<b>METAL</b>						
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.025	mg/L		0.025	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Selenium	U	0.01	mg/L		0.01	SW846-7740
<b>METAL-D</b>						
Uranium, Dissolved	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Technetium-99	U	8.92	pCi/L	11.2	16.2	RL-7100
<b>VOA</b>						
Trichloroethene	U	0.001	mg/L		0.001	SW846-8260

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**MW91**

**404G04-01**

## C404 SEMI-ANNUAL MONITORING - JANUARY - 404G04-01

**MW91C4041-04**

Collected: 1/20/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		30.24	Inches/Hg			
Conductivity		450	umho/cm			
Depth to Water		12.12	ft			
Dissolved Oxygen		3.27	mg/L			
pH		6	Std Unit			
Redox		172	mV			
Temperature		58.6	deg F			
Turbidity		93	NTU			
<b>METAL</b>						
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium		0.947	mg/L		0.025	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Selenium	U	0.01	mg/L		0.01	SW846-7740
<b>METAL-D</b>						
Chromium, Dissolved	U	0.025	mg/L		0.025	SW846-6010A
Uranium, Dissolved	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Technetium-99		326	pCi/L	19.9	16.2	RL-7100
<b>VOA</b>						
Trichloroethene		0.067	mg/L		0.001	SW846-8260

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**MW92**

**404G04-01**

## C404 SEMI-ANNUAL MONITORING - JANUARY - 404G04-01

**MW92C4041-04**

Collected: 1/20/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		30.24	Inches/Hg			
Conductivity		148	umho/cm			
Depth to Water		49.43	ft			
Dissolved Oxygen		2.19	mg/L			
pH		5.9	Std Unit			
Redox		169	mV			
Temperature		59	deg F			
Turbidity		6.9	NTU			
<b>METAL</b>						
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.025	mg/L		0.025	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Selenium	U	0.01	mg/L		0.01	SW846-7740
<b>METAL-D</b>						
Uranium, Dissolved	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Technetium-99	U	8.64	pCi/L	11.2	16.2	RL-7100
<b>VOA</b>						
Trichloroethene	U	0.001	mg/L		0.001	SW846-8260

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**MW93**

**404G04-01**

## C404 SEMI-ANNUAL MONITORING - JANUARY - 404G04-01

**MW93C4041-04**

Collected: 1/20/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		30.24	Inches/Hg			
Conductivity		244	umho/cm			
Depth to Water		52.4	ft			
Dissolved Oxygen		1.57	mg/L			
pH		6.2	Std Unit			
Redox		159	mV			
Temperature		56	deg F			
Turbidity		3.5	NTU			
<b>METAL</b>						
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.025	mg/L		0.025	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Selenium	U	0.01	mg/L		0.01	SW846-7740
<b>METAL-D</b>						
Uranium, Dissolved	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Technetium-99	U	6.95	pCi/L	11.1	16.2	RL-7100
<b>VOA</b>						
Trichloroethene	D	0.17	mg/L		0.002	SW846-8260

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**MW94**

**404G04-01**

## C404 SEMI-ANNUAL MONITORING - JANUARY - 404G04-01

**MW94C4041-04**

Collected: 1/20/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		30.24	Inches/Hg			
Conductivity		1176	umho/cm			
Depth to Water		15.39	ft			
Dissolved Oxygen		1.46	mg/L			
pH		6.4	Std Unit			
Redox		179	mV			
Temperature		56.3	deg F			
Turbidity		169	NTU			
<b>METAL</b>						
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium		0.055	mg/L		0.025	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Selenium	U	0.01	mg/L		0.01	SW846-7740
<b>METAL-D</b>						
Chromium, Dissolved	U	0.025	mg/L		0.025	SW846-6010A
Uranium, Dissolved		0.003	mg/L		0.001	IN7105
<b>RADS</b>						
Technetium-99		476	pCi/L	22.9	16.2	RL-7100
<b>VOA</b>						
Trichloroethene		0.012	mg/L		0.001	SW846-8260



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**MW95A**

**404G04-01**

**C404 SEMI-ANNUAL MONITORING - JANUARY - 404G04-01**

**MW95AC4041-04**

Collected: 1/20/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		30.24	Inches/Hg			
Conductivity		247	umho/cm			
Depth to Water		51.76	ft			
Dissolved Oxygen		1.62	mg/L			
pH		6.1	Std Unit			
Redox		174	mV			
Temperature		50.5	deg F			
Turbidity		5.4	NTU			
<b>METAL</b>						
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.025	mg/L		0.025	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Selenium	U	0.01	mg/L		0.01	SW846-7740
<b>METAL-D</b>						
Uranium, Dissolved	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Technetium-99		30.1	pCi/L	12	16.2	RL-7100
<b>VOA</b>						
Trichloroethene		0.08	mg/L		0.001	SW846-8260

**MW95DC4041-04**

Collected: 1/20/2004

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		30.24	Inches/Hg			
Conductivity		247	umho/cm			
Depth to Water		51.76	ft			
Dissolved Oxygen		1.62	mg/L			
pH		6.1	Std Unit			
Redox		174	mV			
Temperature		50.5	deg F			
Turbidity		5.4	NTU			
<b>METAL</b>						
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.025	mg/L		0.025	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Selenium	U	0.01	mg/L		0.01	SW846-7740
<b>METAL-D</b>						
Uranium, Dissolved	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Technetium-99		27.5	pCi/L	11.9	16.2	RL-7100
<b>VOA</b>						
Trichloroethene		0.08	mg/L		0.001	SW846-8260

MW226

404G98-01

C-404 Groundwater Quarterly Rad Monitoring 404G98-01

5706-97

Collected: 10/14/1997

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		51.45	ft			
Dissolved Oxygen		0.57	mg/L			
pH		5.9	Std Unit			
Specific Conductivity (PIP)		300	umho/cm			
Temperature		60.9	deg F			
<b>METAL</b>						
Uranium	U	0.01	mg/L			TIMS-3
<b>RADS</b>						
Technetium-99		95	pCi/L	15		RL-7100

MW227

404G98-01

C-404 Groundwater Quarterly Rad Monitoring 404G98-01

5707-97

Collected: 10/14/1997

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		51.7	ft			
Dissolved Oxygen		2.66	mg/L			
pH		6	Std Unit			
Specific Conductivity (PIP)		251	umho/cm			
Temperature		60.6	deg F			
<b>METAL</b>						
Uranium	U	0.01	mg/L			TIMS-3
<b>RADS</b>						
Technetium-99		12	pCi/L	12		RL-7100

**MW84**

**404G98-01**

**C-404 Groundwater Quarterly Rad Monitoring 404G98-01**

**5694-97**

Collected: 10/13/1997

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		48.81	ft			
Dissolved Oxygen		1.59	mg/L			
pH		5.92	Std Unit			
Specific Conductivity (PIP)		207	umho/cm			
Temperature		60.5	deg F			
<b>METAL</b>						
Uranium	U	0.01	mg/L			TIMS-3
<b>RADS</b>						
Technetium-99		11	pCi/L	12		RL-7100

MW85

404G98-01

C-404 Groundwater Quarterly Rad Monitoring 404G98-01

5695-97

Collected: 10/13/1997

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		13.4	ft			
Dissolved Oxygen		5.23	mg/L			
pH		6.3	Std Unit			
Specific Conductivity (PIP)		417	umho/cm			
Temperature		61.4	deg F			
<b>METAL</b>						
Uranium	U	0.01	mg/L			TIMS-3
<b>RADS</b>						
Technetium-99		379	pCi/L	21		RL-7100

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MW86

404G98-01

C-404 Groundwater Quarterly Rad Monitoring 404G98-01

5696-97

Collected: 10/14/1997

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		49.21	ft			
Dissolved Oxygen		1.31	mg/L			
pH		6	Std Unit			
Specific Conductivity (PIP)		213	umho/cm			
Temperature		60.4	deg F			
<b>METAL</b>						
Uranium	U	0.01	mg/L			TIMS-3
<b>RADS</b>						
Technetium-99		-11	pCi/L	0		RL-7100

5708-97

Collected: 10/14/1997

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		49.21	ft			
Dissolved Oxygen		1.31	mg/L			
pH		6	Std Unit			
Specific Conductivity (PIP)		213	umho/cm			
Temperature		60.4	deg F			
<b>METAL</b>						
Uranium	U	0.01	mg/L			TIMS-3
<b>RADS</b>						
Technetium-99		-6	pCi/L	0		RL-7100

**MW87**

**404G98-01**

**C-404 Groundwater Quarterly Rad Monitoring 404G98-01**

**5697-97**

Collected: 10/13/1997

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		48.73	ft			
Dissolved Oxygen		1.85	mg/L			
pH		5.97	Std Unit			
Specific Conductivity (PIP)		227	umho/cm			
Temperature		60.1	deg F			
<b>METAL</b>						
Uranium	U	0.01	mg/L			TIMS-3
<b>RADS</b>						
Technetium-99		3	pCi/L	12		RL-7100

MW88

404G98-01

C-404 Groundwater Quarterly Rad Monitoring 404G98-01

5698-97

Collected: 10/13/1997

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		13.25	ft			
Dissolved Oxygen		0.69	mg/L			
pH		5.6	Std Unit			
Specific Conductivity (PIP)		631	umho/cm			
Temperature		60.4	deg F			
<b>METAL</b>						
Uranium	U	0.01	mg/L			TIMS-3
<b>RADS</b>						
Technetium-99		195	pCi/L	17		RL-7100



**MW89**

**404G98-01**

**C-404 Groundwater Quarterly Rad Monitoring 404G98-01**

**5699-97**

Collected: 10/14/1997

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		49.03	ft			
Dissolved Oxygen		1.69	mg/L			
pH		5.79	Std Unit			
Specific Conductivity (PIP)		181	umho/cm			
Temperature		60.6	deg F			
<b>METAL</b>						
Uranium	U	0.01	mg/L			TIMS-3
<b>RADS</b>						
Technetium-99		2	pCi/L	13		RL-7100

**MW90**

**404G98-01**

**C-404 Groundwater Quarterly Rad Monitoring 404G98-01**

**5700-97**

Collected: 10/14/1997

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		47.76	ft			
Dissolved Oxygen		4.22	mg/L			
pH		5.79	Std Unit			
Specific Conductivity (PIP)		191	umho/cm			
Temperature		62.2	deg F			
<b>METAL</b>						
Uranium	U	0.01	mg/L			TIMS-3
<b>RADS</b>						
Technetium-99		6	pCi/L	12		RL-7100

MW91

404G98-01

C-404 Groundwater Quarterly Rad Monitoring 404G98-01

5701-97

Collected: 10/14/1997

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		10.54	ft			
Dissolved Oxygen		2.33	mg/L			
pH		5.85	Std Unit			
Specific Conductivity (PIP)		509	umho/cm			
Temperature		65.5	deg F			
<b>METAL</b>						
Uranium	U	0.01	mg/L			TIMS-3
<b>RADS</b>						
Technetium-99		62	pCi/L	14		RL-7100

MW92

404G98-01

C-404 Groundwater Quarterly Rad Monitoring 404G98-01

5702-97

Collected: 10/14/1997

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		47.85	ft			
Dissolved Oxygen		1.12	mg/L			
pH		5.6	Std Unit			
Specific Conductivity (PIP)		139.2	umho/cm			
Temperature		63	deg F			
<b>METAL</b>						
Uranium	U	0.01	mg/L			TIMS-3
<b>RADS</b>						
Technetium-99		-8	pCi/L	0		RL-7100

**MW93**

**404G98-01**

**C-404 Groundwater Quarterly Rad Monitoring 404G98-01**

**5703-97**

Collected: 10/13/1997

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		50.3	ft			
Dissolved Oxygen		1.66	mg/L			
pH		5.9	Std Unit			
Specific Conductivity (PIP)		215	umho/cm			
Temperature		61	deg F			
<b>METAL</b>						
Uranium	U	0.01	mg/L			TIMS-3
<b>RADS</b>						
Technetium-99		2	pCi/L	12		RL-7100

**MW94**

**404G98-01**

**C-404 Groundwater Quarterly Rad Monitoring 404G98-01**

**5704-97**

Collected: 10/13/1997

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		75.62	ft			
Dissolved Oxygen		1.32	mg/L			
pH		5.9	Std Unit			
Specific Conductivity (PIP)		1227	umho/cm			
Temperature		61.4	deg F			
<b>METAL</b>						
Uranium	U	0.01	mg/L			TIMS-3
<b>RADS</b>						
Technetium-99		660	pCi/L	26		RL-7100

MW95

404G98-01

C-404 Groundwater Quarterly Rad Monitoring 404G98-01

5705-97

Collected: 10/13/1997

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		50.22	ft			
Dissolved Oxygen		2.32	mg/L			
pH		5.9	Std Unit			
Specific Conductivity (PIP)		219	umho/cm			
Temperature		60.9	deg F			
<b>METAL</b>						
Uranium	U	0.01	mg/L			TIMS-3
<b>RADS</b>						
Technetium-99		12	pCi/L	12		RL-7100

MW226

404G98-02

C-404 Groundwater Quarterly Rad Monitoring 404G98-02

5015-98

Collected: 1/12/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Conductivity		311	umho/cm			
Depth to Water		54.25	ft			
Dissolved Oxygen		0.65	mg/L			
pH		5.88	Std Unit			
Temperature		61.4	deg F			
<b>METAL</b>						
Cadmium	UB	0.005	mg/L			SW846-7131
Chromium	U	0.05	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
Uranium	U	0.01	mg/L			TIMS-3
<b>RADS</b>						
Technetium-99		101	pCi/L	14		RL-7100
<b>VOA</b>						
Trichloroethene		0.03	mg/L			SW846-8260



**MW227**

**404G98-02**

**C-404 Groundwater Quarterly Rad Monitoring 404G98-02**

**5016-98**

Collected: 1/12/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Conductivity		248	umho/cm			
Depth to Water		54.41	ft			
Dissolved Oxygen		3.04	mg/L			
pH		5.96	Std Unit			
Temperature		59.3	deg F			
<b>METAL</b>						
Cadmium	UB	0.005	mg/L			SW846-7131
Chromium	U	0.05	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
Uranium	U	0.01	mg/L			TIMS-3
<b>RADS</b>						
Technetium-99	A	9	pCi/L			RL-7100
<b>VOA</b>						
Trichloroethene		0.004	mg/L			SW846-8260

**5017-98**

Collected: 1/12/1998

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Conductivity		248	umho/cm			
Depth to Water		54.41	ft			
Dissolved Oxygen		3.04	mg/L			
pH		5.96	Std Unit			
Temperature		59.3	deg F			
<b>METAL</b>						
Cadmium	UB	0.005	mg/L			SW846-7131
Chromium	U	0.05	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
Uranium	U	0.01	mg/L			TIMS-3
<b>RADS</b>						
Technetium-99	A	8	pCi/L			RL-7100
<b>VOA</b>						
Trichloroethene		0.004	mg/L			SW846-8260

**MW84**

**404G98-02**

**C-404 Groundwater Quarterly Rad Monitoring 404G98-02**

**5003-98**

Collected: 1/14/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Conductivity		227	umho/cm			
Depth to Water		52	ft			
Dissolved Oxygen		1.61	mg/L			
pH		5.93	Std Unit			
Temperature		55.7	deg F			
<b>METAL</b>						
Cadmium	UB	0.005	mg/L			SW846-7131
Chromium	U	0.05	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
Uranium	U	0.01	mg/L			TIMS-3
<b>RADS</b>						
Technetium-99	A	6	pCi/L			RL-7100
<b>VOA</b>						
Trichloroethene		0.002	mg/L			SW846-8260

MW85

404G98-02

C-404 Groundwater Quarterly Rad Monitoring 404G98-02

5004-98

Collected: 1/14/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Conductivity		495	umho/cm			
Depth to Water		14.78	ft			
Dissolved Oxygen		4.7	mg/L			
pH		6.39	Std Unit			
Temperature		57.1	deg F			
<b>METAL</b>						
Cadmium	UB	0.005	mg/L			SW846-7131
Chromium	U	0.05	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
Uranium	U	0.01	mg/L			TIMS-3
<b>RADS</b>						
Technetium-99		318	pCi/L	19		RL-7100
<b>VOA</b>						
Trichloroethene		0.004	mg/L			SW846-8260

MW86

404G98-02

C-404 Groundwater Quarterly Rad Monitoring 404G98-02

5005-98

Collected: 1/14/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Conductivity		219	umho/cm			
Depth to Water		51.88	ft			
Dissolved Oxygen		1.24	mg/L			
pH		6.01	Std Unit			
Temperature		57.6	deg F			
<b>METAL</b>						
Cadmium	UB	0.005	mg/L			SW846-7131
Chromium	U	0.05	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
Uranium	U	0.01	mg/L			TIMS-3
<b>RADS</b>						
Technetium-99	A	-5	pCi/L			RL-7100
<b>VOA</b>						
Trichloroethene		0.001	mg/L			SW846-8260

**MW87**

**404G98-02**

**C-404 Groundwater Quarterly Rad Monitoring 404G98-02**

**5006-98**

Collected: 1/15/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Conductivity		232	umho/cm			
Depth to Water		51.72	ft			
Dissolved Oxygen		2.1	mg/L			
pH		5.89	Std Unit			
Temperature		54.4	deg F			
<b>METAL</b>						
Cadmium	UB	0.005	mg/L			SW846-7131
Chromium	U	0.05	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
Uranium	U	0.01	mg/L			TIMS-3
<b>RADS</b>						
Technetium-99	A	-7	pCi/L			RL-7100
<b>VOA</b>						
Trichloroethene	U	0.001	mg/L			SW846-8260

**MW88**

**404G98-02**

**C-404 Groundwater Quarterly Rad Monitoring 404G98-02**

**5007-98**

Collected: 1/15/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Conductivity		571	umho/cm			
Depth to Water		14.06	ft			
Dissolved Oxygen		0.96	mg/L			
pH		5.57	Std Unit			
Temperature		54.7	deg F			
<b>METAL</b>						
Cadmium	UB	0.005	mg/L			SW846-7131
Chromium	U	0.05	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
Uranium	U	0.01	mg/L			TIMS-3
<b>RADS</b>						
Technetium-99		193	pCi/L	16		RL-7100
<b>VOA</b>						
Trichloroethene		0.31	mg/L			SW846-8260

**MW89**

**404G98-02**

**C-404 Groundwater Quarterly Rad Monitoring 404G98-02**

**5008-98**

Collected: 1/15/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Conductivity		182	umho/cm			
Depth to Water		51.62	ft			
Dissolved Oxygen		1.89	mg/L			
pH		5.7	Std Unit			
Temperature		55.6	deg F			
<b>METAL</b>						
Cadmium	UB	0.005	mg/L			SW846-7131
Chromium	U	0.05	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
Uranium	U	0.01	mg/L			TIMS-3
<b>RADS</b>						
Technetium-99	A	-5	pCi/L			RL-7100
<b>VOA</b>						
Trichloroethene	U	0.001	mg/L			SW846-8260

**MW90**

**404G98-02**

**C-404 Groundwater Quarterly Rad Monitoring 404G98-02**

**5009-98**

Collected: 1/13/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Conductivity		184	umho/cm			
Depth to Water		50.95	ft			
Dissolved Oxygen		4.29	mg/L			
pH		6	Std Unit			
Temperature		55.9	deg F			
<b>METAL</b>						
Cadmium	UB	0.005	mg/L			SW846-7131
Chromium	U	0.05	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
Uranium	U	0.01	mg/L			TIMS-3
<b>RADS</b>						
Technetium-99	A	-1	pCi/L			RL-7100
<b>VOA</b>						
Trichloroethene		0.001	mg/L			SW846-8260



MW91

404G98-02

C-404 Groundwater Quarterly Rad Monitoring 404G98-02

5010-98

Collected: 1/13/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Conductivity		472	umho/cm			
Depth to Water		11.3	ft			
Dissolved Oxygen		2	mg/L			
pH		5.9	Std Unit			
Temperature		58.9	deg F			
<b>METAL</b>						
Cadmium	UB	0.005	mg/L			SW846-7131
Chromium		0.218	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
Uranium	U	0.01	mg/L			TIMS-3
<b>METAL-D</b>						
Chromium	U	0.05	mg/L			SW846-6010
<b>RADS</b>						
Technetium-99		55	pCi/L	13		RL-7100
<b>VOA</b>						
Trichloroethene		0.054	mg/L			SW846-8260

**MW92**

**404G98-02**

**C-404 Groundwater Quarterly Rad Monitoring 404G98-02**

**5011-98**

Collected: 1/14/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Conductivity		150	umho/cm			
Depth to Water		50.53	ft			
Dissolved Oxygen		1.22	mg/L			
pH		5.71	Std Unit			
Temperature		58.4	deg F			
<b>METAL</b>						
Cadmium	UB	0.005	mg/L			SW846-7131
Chromium	U	0.05	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
Uranium	U	0.01	mg/L			TIMS-3
<b>RADS</b>						
Technetium-99	A	-4	pCi/L			RL-7100
<b>VOA</b>						
Trichloroethene	U	0.001	mg/L			SW846-8260

**MW93**

**404G98-02**

**C-404 Groundwater Quarterly Rad Monitoring 404G98-02**

**5012-98**

Collected: 1/12/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Conductivity		214	umho/cm			
Depth to Water		50.2	ft			
Dissolved Oxygen		1.71	mg/L			
pH		5.9	Std Unit			
Temperature		60	deg F			
<b>METAL</b>						
Cadmium	UB	0.005	mg/L			SW846-7131
Chromium	U	0.05	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
Uranium	U	0.01	mg/L			TIMS-3
<b>RADS</b>						
Technetium-99	A	-2	pCi/L			RL-7100
<b>VOA</b>						
Trichloroethene		0.003	mg/L			SW846-8260

**MW94**

**404G98-02**

**C-404 Groundwater Quarterly Rad Monitoring 404G98-02**

**5013-98**

Collected: 1/13/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Conductivity		1189	umho/cm			
Depth to Water		16.74	ft			
Dissolved Oxygen		1.37	mg/L			
pH		5.9	Std Unit			
Temperature		57.3	deg F			
<b>METAL</b>						
Cadmium	UB	0.005	mg/L			SW846-7131
Chromium	U	0.05	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
Uranium	U	0.01	mg/L			TIMS-3
<b>RADS</b>						
Technetium-99		547	pCi/L	23		RL-7100
<b>VOA</b>						
Trichloroethene		0.025	mg/L			SW846-8260

**MW95**

**404G98-02**

**C-404 Groundwater Quarterly Rad Monitoring 404G98-02**

**5014-98**

Collected: 1/12/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Conductivity		217	umho/cm			
Depth to Water		53.44	ft			
Dissolved Oxygen		1.19	mg/L			
pH		5.9	Std Unit			
Temperature		59.2	deg F			
<b>METAL</b>						
Cadmium	UB	0.005	mg/L			SW846-7131
Chromium	U	0.05	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
Uranium	U	0.01	mg/L			TIMS-3
<b>RADS</b>						
Technetium-99	A	6	pCi/L			RL-7100
<b>VOA</b>						
Trichloroethene		0.003	mg/L			SW846-8260

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MW226

404G98-03

C-404 Groundwater Semi-Annual Monitoring 404G98-03

5413-98

Collected: 7/13/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Conductivity		284	umho/cm			
Depth to Water		50	ft			
Dissolved Oxygen		0.57	mg/L			
pH		5.8	Std Unit			
Temperature		64.4	deg F			
<b>METAL</b>						
Cadmium	UW	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.05	mg/L			SW846-6010
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Uranium	U	0.01	mg/L			TIMS-3
<b>VOA</b>						
Trichloroethene		0.025	mg/L		0.001	SW846-8260

5431-98

Collected: 7/13/1998

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Conductivity		284	umho/cm			
Depth to Water		50	ft			
Dissolved Oxygen		0.57	mg/L			
pH		5.8	Std Unit			
Temperature		64.4	deg F			
<b>METAL</b>						
Cadmium	UW	0.005	mg/L		0.005	SW846-7131
Chromium		0.057	mg/L			SW846-6010
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Uranium	U	0.01	mg/L			TIMS-3
<b>METAL-D</b>						
Chromium	U	0.05	mg/L			SW846-6010
<b>VOA</b>						
Trichloroethene		0.025	mg/L		0.001	SW846-8260

**MW227**

**404G98-03**

**C-404 Groundwater Semi-Annual Monitoring 404G98-03**

**5414-98**

Collected: 7/13/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Conductivity		238	umho/cm			
Depth to Water		50.25	ft			
Dissolved Oxygen		1.67	mg/L			
pH		6	Std Unit			
Temperature		64.6	deg F			
<b>METAL</b>						
Cadmium	UW	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.05	mg/L			SW846-6010
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Uranium		0.02	mg/L			TIMS-3
<b>RADS</b>						
Uranium-235		0.755	wt %			TIMS-3
<b>VOA</b>						
Trichloroethene		0.006	mg/L		0.001	SW846-8260

**MW84**

**404G98-03**

**C-404 Groundwater Semi-Annual Monitoring 404G98-03**

**5401-98**

Collected: 7/13/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Conductivity		212	umho/cm			
Depth to Water		47.44	ft			
Dissolved Oxygen		1.26	mg/L			
pH		5.85	Std Unit			
Temperature		64.5	deg F			
<b>METAL</b>						
Cadmium	UW	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.05	mg/L			SW846-6010
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Uranium	U	0.01	mg/L			TIMS-3
<b>VOA</b>						
Trichloroethene		0.004	mg/L		0.001	SW846-8260



**MW85**

**404G98-03**

**C-404 Groundwater Semi-Annual Monitoring 404G98-03**

**5402-98**

Collected: 7/13/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Conductivity		398	umho/cm			
Depth to Water		13.76	ft			
Dissolved Oxygen		4.67	mg/L			
pH		6.26	Std Unit			
Temperature		64.3	deg F			
<b>METAL</b>						
Cadmium	UW	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.05	mg/L			SW846-6010
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Uranium		0.04	mg/L			TIMS-3
<b>RADS</b>						
Uranium-235		0.465	wt %			TIMS-3
<b>VOA</b>						
Trichloroethene		0.003	mg/L		0.001	SW846-8260

**MW86**

**404G98-03**

**C-404 Groundwater Semi-Annual Monitoring 404G98-03**

**5403-98**

Collected: 7/13/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Conductivity		216	umho/cm			
Depth to Water		47.43	ft			
Dissolved Oxygen		1.29	mg/L			
pH		5.91	Std Unit			
Temperature		68	deg F			
<b>METAL</b>						
Cadmium	UW	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.05	mg/L			SW846-6010
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Uranium		0.05	mg/L			TIMS-3
<b>RADS</b>						
Uranium-235		0.466	wt %			TIMS-3
<b>VOA</b>						
Trichloroethene	U	0.001	mg/L		0.001	SW846-8260

**MW87**

**404G98-03**

**C-404 Groundwater Semi-Annual Monitoring 404G98-03**

**5404-98**

Collected: 7/13/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Conductivity		244	umho/cm			
Depth to Water		47.45	ft			
Dissolved Oxygen		1.79	mg/L			
pH		5.97	deg F			
Temperature		68.7	deg F			
<b>METAL</b>						
Cadmium	UW	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.05	mg/L			SW846-6010
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Uranium	U	0.01	mg/L			TIMS-3
<b>VOA</b>						
Trichloroethene		0.001	mg/L		0.001	SW846-8260

**MW88**

**404G98-03**

**C-404 Groundwater Semi-Annual Monitoring 404G98-03**

**5405-98**

Collected: 7/14/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Conductivity		651	umho/cm			
Depth to Water		13.83	ft			
Dissolved Oxygen		1.02	mg/L			
pH		5.57	deg F			
Temperature		66.3	deg F			
<b>METAL</b>						
Cadmium	UW	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.05	mg/L			SW846-6010
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Uranium	U	0.01	mg/L			TIMS-3
<b>VOA</b>						
Trichloroethene		0.025	mg/L		0.001	SW846-8260

**MW89**

**404G98-03**

**C-404 Groundwater Semi-Annual Monitoring 404G98-03**

**5406-98**

Collected: 7/14/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Conductivity		186	umho/cm			
Depth to Water		47.42	ft			
Dissolved Oxygen		1.26	mg/L			
pH		5.79	Std Unit			
Temperature		65.1	deg F			
<b>METAL</b>						
Cadmium	UW	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.05	mg/L			SW846-6010
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Uranium	U	0.01	mg/L			TIMS-3
<b>VOA</b>						
Trichloroethene	U	0.001	mg/L		0.001	SW846-8260

**MW90**

**404G98-03**

**C-404 Groundwater Semi-Annual Monitoring 404G98-03**

**5407-98**

Collected: 7/15/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Conductivity		202	umho/cm			
Depth to Water		46.21	ft			
Dissolved Oxygen		3.69	mg/L			
pH		5.85	Std Unit			
Temperature		66.1	deg F			
<b>METAL</b>						
Cadmium	UW	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.05	mg/L			SW846-6010
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Uranium	U	0.01	mg/L			TIMS-3
<b>VOA</b>						
Trichloroethene		0.002	mg/L		0.001	SW846-8260

**MW91**

**404G98-03**

**C-404 Groundwater Semi-Annual Monitoring 404G98-03**

**5408-98**

Collected: 7/15/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Conductivity		554	umho/cm			
Depth to Water		10.51	ft			
Dissolved Oxygen		2.35	mg/L			
pH		5.81	Std Unit			
Temperature		67.1	deg F			
<b>METAL</b>						
Cadmium	UW	0.005	mg/L		0.005	SW846-7131
Chromium		0.224	mg/L			SW846-6010
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Uranium	U	0.01	mg/L			TIMS-3
<b>METAL-D</b>						
Chromium	U	0.05	mg/L			SW846-6010
<b>VOA</b>						
Trichloroethene		0.06	mg/L		0.001	SW846-8260

**MW92**

**404G98-03**

**C-404 Groundwater Semi-Annual Monitoring 404G98-03**

**5409-98**

Collected: 7/15/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Conductivity		146.5	umho/cm			
Depth to Water		46.5	ft			
Dissolved Oxygen		1.39	mg/L			
pH		5.6	Std Unit			
Temperature		65.5	deg F			
<b>METAL</b>						
Cadmium	UW	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.05	mg/L			SW846-6010
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Uranium	U	0.01	mg/L			TIMS-3
<b>VOA</b>						
Trichloroethene	U	0.001	mg/L		0.001	SW846-8260



**MW93**

**404G98-03**

**C-404 Groundwater Semi-Annual Monitoring 404G98-03**

**5410-98**

Collected: 7/13/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Conductivity		216	umho/cm			
Depth to Water		49.1	ft			
Dissolved Oxygen		1.48	mg/L			
pH		5.9	Std Unit			
Temperature		67	deg F			
<b>METAL</b>						
Cadmium	UW	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.05	mg/L			SW846-6010
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Uranium	U	0.01	mg/L			TIMS-3
<b>VOA</b>						
Trichloroethene		0.004	mg/L		0.001	SW846-8260

**MW94**

**404G98-03**

**C-404 Groundwater Semi-Annual Monitoring 404G98-03**

**5411-98**

Collected: 7/14/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Conductivity		1211	umho/cm			
Depth to Water		15.22	ft			
Dissolved Oxygen		2.05	mg/L			
pH		6	Std Unit			
Temperature		64.6	deg F			
<b>METAL</b>						
Cadmium	UW	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.05	mg/L			SW846-6010
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Uranium	U	0.01	mg/L			TIMS-3
<b>VOA</b>						
Trichloroethene		0.023	mg/L		0.001	SW846-8260

**MW95**

**404G98-03**

**C-404 Groundwater Semi-Annual Monitoring 404G98-03**

**5412-98**

Collected: 7/14/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Conductivity		221	umho/cm			
Depth to Water		49.11	ft			
Dissolved Oxygen		1.4	mg/L			
pH		5.9	Std Unit			
Temperature		64.8	deg F			
<b>METAL</b>						
Cadmium	UW	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.05	mg/L			SW846-6010
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Uranium	U	0.01	mg/L			TIMS-3
<b>VOA</b>						
Trichloroethene		0.005	mg/L		0.001	SW846-8260

MW226

404G99-01

C-404 Groundwater Semi-Annual Monitoring 404G99-01

5015-99

Collected: 1/11/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		30.09	Inches/Hg			
Conductivity		283	umho/cm			
Depth to Water		53.27	ft			
Dissolved Oxygen		0.57	mg/L			
pH		5.89	Std Unit			
Temperature		60	deg F			
<b>METAL</b>						
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium		0.08	mg/L		0.05	SW846-6010A
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470
Selenium	UW	0.005	mg/L		0.005	SW846-7740
<b>METAL-D</b>						
Chromium	U	0.05	mg/L		0.05	SW846-6010A
<b>VOA</b>						
Trichloroethene		0.026	mg/L		0.001	SW846-8260

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**MW227**

**404G99-01**

**C-404 Groundwater Semi-Annual Monitoring 404G99-01**

**5016-99**

Collected: 1/11/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		30.09	Inches/Hg			
Conductivity		228	umho/cm			
Depth to Water		53.5	ft			
Dissolved Oxygen		2.07	mg/L			
pH		5.96	Std Unit			
Temperature		59.5	deg F			
<b>METAL</b>						
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.05	mg/L		0.05	SW846-6010A
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470
Selenium	UW	0.005	mg/L		0.005	SW846-7740
<b>VOA</b>						
Trichloroethene		0.006	mg/L		0.001	SW846-8260

**5017-99**

Collected: 1/11/1999

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		30.03	Inches/Hg			
Conductivity		228	umho/cm			
Depth to Water		53.5	ft			
Dissolved Oxygen		2.07	mg/L			
pH		5.96	Std Unit			
Temperature		59.5	deg F			
<b>METAL</b>						
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.05	mg/L		0.05	SW846-6010A
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470
Selenium	UW	0.005	mg/L		0.005	SW846-7740
<b>VOA</b>						
Trichloroethene		0.006	mg/L		0.001	SW846-8260

**MW84**

**404G99-01**

**C-404 Groundwater Semi-Annual Monitoring 404G99-01**

**5003-99**

Collected: 1/11/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		30.06	Inches/Hg			
Conductivity		211	umho/cm			
Depth to Water		51.09	ft			
Dissolved Oxygen		1.56	mg/L			
pH		6.1	Std Unit			
Temperature		58.5	deg F			
<b>METAL</b>						
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.05	mg/L		0.05	SW846-6010A
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470
Selenium	UW	0.005	mg/L		0.005	SW846-7740
<b>VOA</b>						
Trichloroethene		0.006	mg/L		0.001	SW846-8260

**MW85**

**404G99-01**

**C-404 Groundwater Semi-Annual Monitoring 404G99-01**

**5004-99**

Collected: 1/11/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		30	Inches/Hg			
Conductivity		353	umho/cm			
Depth to Water		14.8	ft			
Dissolved Oxygen		4.07	mg/L			
pH		6.4	Std Unit			
Temperature		59.9	deg F			
<b>METAL</b>						
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.05	mg/L		0.05	SW846-6010A
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470
Selenium	UW	0.005	mg/L		0.005	SW846-7740
<b>VOA</b>						
Trichloroethene		0.002	mg/L		0.001	SW846-8260

**MW86**

**404G99-01**

**C-404 Groundwater Semi-Annual Monitoring 404G99-01**

**5005-99**

Collected: 1/11/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.97	Inches/Hg			
Conductivity		212	umho/cm			
Depth to Water		50.96	ft			
Dissolved Oxygen		1.05	mg/L			
pH		6.1	Std Unit			
Temperature		59.5	deg F			
<b>METAL</b>						
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.05	mg/L		0.05	SW846-6010A
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470
Selenium	UW	0.005	mg/L		0.005	SW846-7740
<b>VOA</b>						
Trichloroethene		0.001	mg/L		0.001	SW846-8260



**MW87**

**404G99-01**

**C-404 Groundwater Semi-Annual Monitoring 404G99-01**

**5006-99**

Collected: 1/11/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.97	Inches/Hg			
Conductivity		233	umho/cm			
Depth to Water		50.85	ft			
Dissolved Oxygen		2.5	mg/L			
pH		6.2	Std Unit			
Temperature		59.6	deg F			
<b>METAL</b>						
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.05	mg/L		0.05	SW846-6010A
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470
Selenium	UW	0.005	mg/L		0.005	SW846-7740
<b>VOA</b>						
Trichloroethene	U	0.001	mg/L		0.001	SW846-8260

**MW88**

**404G99-01**

**C-404 Groundwater Semi-Annual Monitoring 404G99-01**

**5007-99**

Collected: 1/12/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.88	Inches/Hg			
Conductivity		614	umho/cm			
Depth to Water		14.04	ft			
Dissolved Oxygen		0.8	mg/L			
pH		5.6	Std Unit			
Temperature		59.8	deg F			
<b>METAL</b>						
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.05	mg/L		0.05	SW846-6010A
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470
Selenium	UW	0.005	mg/L		0.005	SW846-7740
<b>VOA</b>						
Trichloroethene		0.005	mg/L		0.001	SW846-8260

**MW89**

**404G99-01**

**C-404 Groundwater Semi-Annual Monitoring 404G99-01**

**5008-99**

Collected: 1/12/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.88	Inches/Hg			
Conductivity		185	umho/cm			
Depth to Water		50.72	ft			
Dissolved Oxygen		1.35	mg/L			
pH		5.9	Std Unit			
Temperature		59.6	deg F			
<b>METAL</b>						
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.05	mg/L		0.05	SW846-6010A
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470
Selenium	UW	0.005	mg/L		0.005	SW846-7740
<b>VOA</b>						
Trichloroethene	U	0.001	mg/L		0.001	SW846-8260

**MW90**

**404G99-01**

**C-404 Groundwater Semi-Annual Monitoring 404G99-01**

**5009-99**

Collected: 1/13/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.94	Inches/Hg			
Conductivity		189	umho/cm			
Depth to Water		49.52	ft			
Dissolved Oxygen		5.08	mg/L			
pH		5.9	Std Unit			
Temperature		58.8	deg F			
<b>METAL</b>						
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.05	mg/L		0.05	SW846-6010A
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470
Selenium	UW	0.005	mg/L		0.005	SW846-7740
<b>VOA</b>						
Trichloroethene		0.002	mg/L		0.001	SW846-8260

MW91

404G99-01

C-404 Groundwater Semi-Annual Monitoring 404G99-01

5010-99

Collected: 1/13/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.88	Inches/Hg			
Conductivity		523	umho/cm			
Depth to Water		10.85	ft			
Dissolved Oxygen		2.35	mg/L			
pH		5.9	Std Unit			
Temperature		60.1	deg F			
<b>METAL</b>						
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium		0.16	mg/L		0.05	SW846-6010A
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470
Selenium	UW	0.005	mg/L		0.005	SW846-7740
<b>METAL-D</b>						
Chromium	U	0.05	mg/L		0.05	SW846-6010A
<b>VOA</b>						
Trichloroethene		0.06	mg/L		0.001	SW846-8260

MW92

404G99-01

C-404 Groundwater Semi-Annual Monitoring 404G99-01

5011-99

Collected: 1/13/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.71	Inches/Hg			
Conductivity		142.4	umho/cm			
Depth to Water		49.59	ft			
Dissolved Oxygen		0.9	mg/L			
pH		5.96	Std Unit			
Temperature		60.5	deg F			
<b>METAL</b>						
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.05	mg/L		0.05	SW846-6010A
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470
Selenium	UW	0.005	mg/L		0.005	SW846-7740
<b>VOA</b>						
Trichloroethene	U	0.001	mg/L		0.001	SW846-8260

**MW93**

**404G99-01**

**C-404 Groundwater Semi-Annual Monitoring 404G99-01**

**5012-99**

Collected: 1/11/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		30.03	Inches/Hg			
Conductivity		217	umho/cm			
Depth to Water		52.5	ft			
Dissolved Oxygen		1.24	mg/L			
pH		5.92	Std Unit			
Temperature		60.2	deg F			
<b>METAL</b>						
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.05	mg/L		0.05	SW846-6010A
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470
Selenium	UW	0.005	mg/L		0.005	SW846-7740
<b>VOA</b>						
Trichloroethene		0.005	mg/L		0.001	SW846-8260

**MW94**

**404G99-01**

**C-404 Groundwater Semi-Annual Monitoring 404G99-01**

**5013-99**

Collected: 1/11/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		30.06	Inches/Hg			
Conductivity		1098	umho/cm			
Depth to Water		15.92	ft			
Dissolved Oxygen		1.24	mg/L			
pH		6	Std Unit			
Temperature		61.7	deg F			
<b>METAL</b>						
Arsenic		0.005	mg/L		0.005	SW846-7060
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.05	mg/L		0.05	SW846-6010A
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470
Selenium	UW	0.005	mg/L		0.005	SW846-7740
<b>VOA</b>						
Trichloroethene		0.018	mg/L		0.001	SW846-8260



**MW95**

**404G99-01**

**C-404 Groundwater Semi-Annual Monitoring 404G99-01**

**5014-99**

Collected: 1/13/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.71	Inches/Hg			
Conductivity		231	umho/cm			
Depth to Water		52.53	ft			
Dissolved Oxygen		0.94	mg/L			
pH		6.13	Std Unit			
Temperature		59.7	deg F			
<b>METAL</b>						
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.05	mg/L		0.05	SW846-6010A
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470
Selenium	UW	0.005	mg/L		0.005	SW846-7740
<b>VOA</b>						
Trichloroethene		0.008	mg/L		0.001	SW846-8260

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**MW226**

**404G99-02**

**C-404 Groundwater Semi-Annual Monitoring 404G99-02**

**5344-99**

Collected: 7/20/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		30.12	Inches/Hg			
Conductivity		316	umho/cm			
Depth to Water		49.05	ft			
Dissolved Oxygen		0.17	mg/L			
pH		5.99	Std Unit			
Temperature		65.8	deg F			
<b>METAL</b>						
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium		0.089	mg/L		0.05	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
<b>METAL-D</b>						
Chromium	U	0.05	mg/L		0.05	SW846-6010A
<b>VOA</b>						
Trichloroethene		0.04	mg/L		0.001	SW846-8260

**5345-99**

Collected: 7/20/1999

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		30.12	Inches/Hg			
Conductivity		316	umho/cm			
Depth to Water		49.05	ft			
Dissolved Oxygen		0.17	mg/L			
pH		5.97	Std Unit			
Temperature		65.8	deg F			
<b>METAL</b>						
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium		0.125	mg/L		0.05	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
<b>METAL-D</b>						
Chromium	U	0.05	mg/L		0.05	SW846-6010A
<b>VOA</b>						
Trichloroethene		0.042	mg/L		0.001	SW846-8260

**MW227**

**404G99-02**

**C-404 Groundwater Semi-Annual Monitoring 404G99-02**

**5346-99**

Collected: 7/20/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		30.09	Inches/Hg			
Conductivity		240	umho/cm			
Depth to Water		49.26	ft			
Dissolved Oxygen		1.4	mg/L			
pH		6.05	Std Unit			
Temperature		65.7	deg F			
<b>METAL</b>						
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.05	mg/L		0.05	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
<b>VOA</b>						
Trichloroethene		0.008	mg/L		0.001	SW846-8260

**MW84**

**404G99-02**

**C-404 Groundwater Semi-Annual Monitoring 404G99-02**

**5332-99**

Collected: 7/21/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.97	Inches/Hg			
Conductivity		216	umho/cm			
Depth to Water		46.75	ft			
Dissolved Oxygen		0.86	mg/L			
pH		5.98	Std Unit			
Temperature		67	deg F			
<b>METAL</b>						
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.05	mg/L		0.05	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
<b>VOA</b>						
Trichloroethene		0.009	mg/L		0.001	SW846-8260

**MW85**

**404G99-02**

**C-404 Groundwater Semi-Annual Monitoring 404G99-02**

**5333-99**

Collected: 7/19/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		30	Inches/Hg			
Conductivity		370	umho/cm			
Depth to Water		13.35	ft			
Dissolved Oxygen		2.76	mg/L			
pH		6.5	Std Unit			
Temperature		66.3	deg F			
<b>METAL</b>						
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.05	mg/L		0.05	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
<b>VOA</b>						
Trichloroethene		0.002	mg/L		0.001	SW846-8260

**MW86**

**404G99-02**

**C-404 Groundwater Semi-Annual Monitoring 404G99-02**

**5334-99**

Collected: 7/19/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		30.03	Inches/Hg			
Conductivity		206	umho/cm			
Depth to Water		46.57	ft			
Dissolved Oxygen		0.9	mg/L			
pH		6.1	Std Unit			
Temperature		66.3	deg F			
<b>METAL</b>						
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.05	mg/L		0.05	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
<b>VOA</b>						
Trichloroethene		0.002	mg/L		0.001	SW846-8260

**MW87**

**404G99-02**

**C-404 Groundwater Semi-Annual Monitoring 404G99-02**

**5335-99**

Collected: 7/21/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		30.18	Inches/Hg			
Conductivity		236	umho/cm			
Depth to Water		46.67	ft			
Dissolved Oxygen		2.55	mg/L			
pH		6.17	Std Unit			
Temperature		68.5	deg F			
<b>METAL</b>						
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.05	mg/L		0.05	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
<b>VOA</b>						
Trichloroethene		0.001	mg/L		0.001	SW846-8260

**MW88**

**404G99-02**

**C-404 Groundwater Semi-Annual Monitoring 404G99-02**

**5336-99**

Collected: 7/20/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.97	Inches/Hg			
Conductivity		625	umho/cm			
Depth to Water		13.42	ft			
Dissolved Oxygen		0.66	mg/L			
pH		5.67	Std Unit			
Temperature		71	deg F			
<b>METAL</b>						
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.05	mg/L		0.05	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
<b>VOA</b>						
Trichloroethene		0.023	mg/L		0.01	SW846-8260



**MW89**

**404G99-02**

**C-404 Groundwater Semi-Annual Monitoring 404G99-02**

**5337-99**

Collected: 7/20/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.97	Inches/Hg			
Conductivity		189	umho/cm			
Depth to Water		46.45	ft			
Dissolved Oxygen		1.6	mg/L			
pH		5.88	Std Unit			
Temperature		72	deg F			
<b>METAL</b>						
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.05	mg/L		0.05	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
<b>VOA</b>						
Trichloroethene	U	0.001	mg/L		0.001	SW846-8260

**MW90**

**404G99-02**

**C-404 Groundwater Semi-Annual Monitoring 404G99-02**

**5338-99**

Collected: 7/22/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		30	Inches/Hg			
Conductivity		187	umho/cm			
Depth to Water		45.29	ft			
Dissolved Oxygen		3.12	mg/L			
pH		5.9	Std Unit			
Temperature		69.9	deg F			
<b>METAL</b>						
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.05	mg/L		0.05	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
<b>VOA</b>						
Trichloroethene		0.001	mg/L		0.001	SW846-8260

**MW91**

**404G99-02**

**C-404 Groundwater Semi-Annual Monitoring 404G99-02**

**5339-99**

Collected: 7/22/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		30	Inches/Hg			
Conductivity		527	umho/cm			
Depth to Water		10.42	ft			
Dissolved Oxygen		0.95	mg/L			
pH		5.8	Std Unit			
Temperature		67.9	deg F			
<b>METAL</b>						
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium		0.127	mg/L		0.05	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
<b>METAL-D</b>						
Chromium	U	0.05	mg/L		0.05	SW846-6010A
<b>VOA</b>						
Trichloroethene		0.061	mg/L		0.001	SW846-8260

**MW92**

**404G99-02**

**C-404 Groundwater Semi-Annual Monitoring 404G99-02**

**5340-99**

Collected: 7/22/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		30.15	Inches/Hg			
Conductivity		141.4	umho/cm			
Depth to Water		45.45	ft			
Dissolved Oxygen		1.33	mg/L			
pH		5.81	Std Unit			
Temperature		67.4	deg F			
<b>METAL</b>						
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.05	mg/L		0.05	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
<b>VOA</b>						
Trichloroethene	U	0.001	mg/L		0.001	SW846-8260

**MW93**

**404G99-02**

**C-404 Groundwater Semi-Annual Monitoring 404G99-02**

**5341-99**

Collected: 7/21/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		30.15	Inches/Hg			
Conductivity		218	umho/cm			
Depth to Water		48.28	ft			
Dissolved Oxygen		1.63	mg/L			
pH		6.06	Std Unit			
Temperature		65.2	deg F			
<b>METAL</b>						
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.05	mg/L		0.05	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
<b>VOA</b>						
Trichloroethene		0.007	mg/L		0.001	SW846-8260

**MW94**

**404G99-02**

**C-404 Groundwater Semi-Annual Monitoring 404G99-02**

**5342-99**

Collected: 7/19/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		30.12	Inches/Hg			
Conductivity		1174	umho/cm			
Depth to Water		14.62	ft			
Dissolved Oxygen		0.89	mg/L			
pH		6.01	Std Unit			
Temperature		65.4	deg F			
<b>METAL</b>						
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.05	mg/L		0.05	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
<b>VOA</b>						
Trichloroethene		0.016	mg/L		0.001	SW846-8260

**MW95**

**404G99-02**

**C-404 Groundwater Semi-Annual Monitoring 404G99-02**

**5343-99**

Collected: 7/19/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		30.12	Inches/Hg			
Conductivity		228	umho/cm			
Depth to Water		48.3	ft			
Dissolved Oxygen		0.86	mg/L			
pH		5.96	Std Unit			
Temperature		66.5	deg F			
<b>METAL</b>						
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.05	mg/L		0.05	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
<b>VOA</b>						
Trichloroethene		0.01	mg/L		0.001	SW846-8260

**MW84**

**AIPGW07-00**

**C-404 Landfill Inspection**

**070002A**

Collected: 7/10/2000

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Antimony	U	0.01	mg/L		0.01	SW846-6010A
Barium	J	0.06	mg/L		0.2	SW846-6010A
Beryllium	J	0.00078	mg/L		0.005	SW846-6010A
Boron	J	0.01	mg/L		0.2	SW846-6010A
Cadmium	U	0.002	mg/L		0.002	SW846-6010A
Calcium		19.7	mg/L		5	SW846-6010A
Chromium	J	0.002	mg/L		0.005	SW846-6010A
Cobalt	U	0.05	mg/L		0.05	SW846-6010A
Copper	U	0.02	mg/L		0.02	SW846-6010A
Iron		0.22	mg/L		0.1	SW846-6010A
Lead	U	0.003	mg/L		0.003	SW846-6010A
Magnesium		7.65	mg/L		5	SW846-6010A
Manganese	J	0.01	mg/L		0.01	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470A
Molybdenum	U	0.04	mg/L		0.04	SW846-6010A
Nickel	U	0.04	mg/L		0.04	SW846-6010A
Potassium	U	5	mg/L		5	SW846-6010A
Selenium	U	0.005	mg/L		0.005	SW846-6010A
Silicon		7.22	mg/L		0.5	SW846-6010A
Silver	U	0.005	mg/L		0.005	SW846-6010A
Sodium		12.8	mg/L		5	SW846-6010A
Thallium	U	0.01	mg/L		0.01	SW846-6010A
Vanadium	U	0.05	mg/L		0.05	SW846-6010A
Zinc	J	0.01	mg/L		0.02	SW846-6010A
<b>RADS</b>						
Alpha activity	U	0.75	pCi/L	0.78	1.2	EPA-900.0-M
Beta activity	U	1	pCi/L	1.6	2.8	EPA-900.0-M
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.001	mg/L		0.001	SW846-8260A
1,1,1-Trichloroethane	U	0.001	mg/L		0.001	SW846-8260A
1,1,2,2-Tetrachloroethane	U	0.001	mg/L		0.001	SW846-8260A
1,1,2-Trichloroethane	U	0.001	mg/L		0.001	SW846-8260A
1,1-Dichloroethane	U	0.001	mg/L		0.001	SW846-8260A
1,1-Dichloroethene	U	0.001	mg/L		0.001	SW846-8260A
1,2,3-Trichloropropane	U	0.001	mg/L		0.001	SW846-8260A
1,2-Dibromo-3-chloropropane	U	0.002	mg/L		0.002	SW846-8260A
1,2-Dibromoethane	U	0.001	mg/L		0.001	SW846-8260A
1,2-Dichloroethane	U	0.001	mg/L		0.001	SW846-8260A
1,2-Dichloropropane	U	0.001	mg/L		0.001	SW846-8260A
1,4-Dioxane	U	0.2	mg/L		0.2	SW846-8260A
2-Butanone	U	0.005	mg/L		0.005	SW846-8260A
2-Chloro-1,3-butadiene	U	0.001	mg/L		0.001	SW846-8260A
2-Hexanone	U	0.005	mg/L		0.005	SW846-8260A
4-Methyl-2-pentanone	U	0.005	mg/L		0.005	SW846-8260A
Acetone	U	0.01	mg/L		0.01	SW846-8260A
Acetonitrile	U	0.02	mg/L		0.02	SW846-8260A
Acrolein	U	0.02	mg/L		0.02	SW846-8260A
Acrylonitrile	U	0.02	mg/L		0.02	SW846-8260A



**MW84****AIPGW07-00****C-404 Landfill Inspection**

Allyl chloride	U	0.002	mg/L	0.002	SW846-8260A
Benzene	U	0.001	mg/L	0.001	SW846-8260A
Bromodichloromethane	U	0.001	mg/L	0.001	SW846-8260A
Bromoform	U	0.001	mg/L	0.001	SW846-8260A
Bromomethane	U	0.002	mg/L	0.002	SW846-8260A
Carbon disulfide	U	0.001	mg/L	0.001	SW846-8260A
Carbon tetrachloride	U	0.001	mg/L	0.001	SW846-8260A
Chlorobenzene	U	0.001	mg/L	0.001	SW846-8260A
Chloroethane	U	0.002	mg/L	0.002	SW846-8260A
Chloroform	U	0.001	mg/L	0.001	SW846-8260A
Chloromethane	U	0.002	mg/L	0.002	SW846-8260A
cis-1,2-Dichloroethene	U	0.0005	mg/L	0.0005	SW846-8260A
cis-1,3-Dichloropropene	U	0.001	mg/L	0.001	SW846-8260A
Dibromochloromethane	U	0.001	mg/L	0.001	SW846-8260A
Dibromomethane	U	0.001	mg/L	0.001	SW846-8260A
Dichlorodifluoromethane	U	0.002	mg/L	0.002	SW846-8260A
Ethyl cyanide	U	0.004	mg/L	0.004	SW846-8260A
Ethyl methacrylate	U	0.001	mg/L	0.001	SW846-8260A
Ethylbenzene	U	0.001	mg/L	0.001	SW846-8260A
Iodomethane	U	0.001	mg/L	0.001	SW846-8260A
Isobutanol	U	0.05	mg/L	0.05	SW846-8260A
Methacrylonitrile	U	0.001	mg/L	0.001	SW846-8260A
Methyl methacrylate	U	0.001	mg/L	0.001	SW846-8260A
Methylene chloride	U	0.001	mg/L	0.001	SW846-8260A
Pentachloroethane	U	0.002	mg/L	0.002	SW846-8260A
Styrene	U	0.001	mg/L	0.001	SW846-8260A
Tetrachloroethene	U	0.001	mg/L	0.001	SW846-8260A
Toluene	U	0.001	mg/L	0.001	SW846-8260A
Total Xylene	U	0.001	mg/L	0.001	SW846-8260A
trans-1,2-Dichloroethene	U	0.0005	mg/L	0.0005	SW846-8260A
trans-1,3-Dichloropropene	U	0.001	mg/L	0.001	SW846-8260A
Trans-1,4-Dichloro-2-butene	U	0.001	mg/L	0.001	SW846-8260A
Trichloroethene		0.018	mg/L	0.001	SW846-8260A
Trichlorofluoromethane	U	0.002	mg/L	0.002	SW846-8260A
Vinyl acetate	U	0.002	mg/L	0.002	SW846-8260A
Vinyl chloride	U	0.002	mg/L	0.002	SW846-8260A

MW93

AIPGW07-00

C-404 Landfill Inspection

070002B

Collected: 7/10/2000

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Antimony	U	0.01	mg/L		0.01	SW846-6010A
Barium	J	0.1	mg/L		0.2	SW846-6010A
Beryllium	U	0.005	mg/L		0.005	SW846-6010A
Boron	J	0.01	mg/L		0.2	SW846-6010A
Cadmium	U	0.002	mg/L		0.002	SW846-6010A
Calcium		20.1	mg/L		5	SW846-6010A
Chromium	J	0.0039	mg/L		0.005	SW846-6010A
Cobalt	U	0.05	mg/L		0.05	SW846-6010A
Copper	J	0.0099	mg/L		0.02	SW846-6010A
Iron		0.19	mg/L		0.1	SW846-6010A
Lead	U	0.003	mg/L		0.003	SW846-6010A
Magnesium		8.16	mg/L		5	SW846-6010A
Manganese		0.01	mg/L		0.01	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470A
Molybdenum	U	0.04	mg/L		0.04	SW846-6010A
Nickel	U	0.04	mg/L		0.04	SW846-6010A
Potassium	U	5	mg/L		5	SW846-6010A
Selenium	U	0.005	mg/L		0.005	SW846-6010A
Silicon		6.9	mg/L		0.5	SW846-6010A
Silver	U	0.005	mg/L		0.005	SW846-6010A
Sodium		13	mg/L		5	SW846-6010A
Thallium	U	0.01	mg/L		0.01	SW846-6010A
Vanadium	U	0.05	mg/L		0.05	SW846-6010A
Zinc	J	0.01	mg/L		0.02	SW846-6010A
<b>RADS</b>						
Alpha activity	U	0.71	pCi/L	0.73	1.2	EPA-900.0-M
Beta activity		4.9	pCi/L	1.6	2.3	EPA-900.0-M
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.001	mg/L		0.001	SW846-8260A
1,1,1-Trichloroethane	U	0.001	mg/L		0.001	SW846-8260A
1,1,2,2-Tetrachloroethane	U	0.001	mg/L		0.001	SW846-8260A
1,1,2-Trichloroethane	U	0.001	mg/L		0.001	SW846-8260A
1,1-Dichloroethane	U	0.001	mg/L		0.001	SW846-8260A
1,1-Dichloroethene	U	0.001	mg/L		0.001	SW846-8260A
1,2,3-Trichloropropane	U	0.001	mg/L		0.001	SW846-8260A
1,2-Dibromo-3-chloropropane	U	0.002	mg/L		0.002	SW846-8260A
1,2-Dibromoethane	U	0.001	mg/L		0.001	SW846-8260A
1,2-Dichloroethane	U	0.001	mg/L		0.001	SW846-8260A
1,2-Dichloropropane	U	0.001	mg/L		0.001	SW846-8260A
1,4-Dioxane	U	0.2	mg/L		0.2	SW846-8260A
2-Butanone	U	0.005	mg/L		0.005	SW846-8260A
2-Chloro-1,3-butadiene	U	0.001	mg/L		0.001	SW846-8260A
2-Hexanone	U	0.005	mg/L		0.005	SW846-8260A
4-Methyl-2-pentanone	U	0.005	mg/L		0.005	SW846-8260A
Acetone	U	0.01	mg/L		0.01	SW846-8260A
Acetonitrile	U	0.02	mg/L		0.02	SW846-8260A
Acrolein	U	0.02	mg/L		0.02	SW846-8260A
Acrylonitrile	U	0.02	mg/L		0.02	SW846-8260A

**MW93****AIPGW07-00****C-404 Landfill Inspection**

Allyl chloride	U	0.002	mg/L	0.002	SW846-8260A
Benzene	U	0.001	mg/L	0.001	SW846-8260A
Bromodichloromethane	U	0.001	mg/L	0.001	SW846-8260A
Bromoform	U	0.001	mg/L	0.001	SW846-8260A
Bromomethane	U	0.002	mg/L	0.002	SW846-8260A
Carbon disulfide	U	0.001	mg/L	0.001	SW846-8260A
Carbon tetrachloride	U	0.001	mg/L	0.001	SW846-8260A
Chlorobenzene	U	0.001	mg/L	0.001	SW846-8260A
Chloroethane	U	0.002	mg/L	0.002	SW846-8260A
Chloroform	U	0.001	mg/L	0.001	SW846-8260A
Chloromethane	U	0.002	mg/L	0.002	SW846-8260A
cis-1,2-Dichloroethene	J	0.00029	mg/L	0.0005	SW846-8260A
cis-1,3-Dichloropropene	U	0.001	mg/L	0.001	SW846-8260A
Dibromochloromethane	U	0.001	mg/L	0.001	SW846-8260A
Dibromomethane	U	0.001	mg/L	0.001	SW846-8260A
Dichlorodifluoromethane	U	0.002	mg/L	0.002	SW846-8260A
Ethyl cyanide	U	0.004	mg/L	0.004	SW846-8260A
Ethyl methacrylate	U	0.001	mg/L	0.001	SW846-8260A
Ethylbenzene	U	0.001	mg/L	0.001	SW846-8260A
Iodomethane	U	0.001	mg/L	0.001	SW846-8260A
Isobutanol	U	0.05	mg/L	0.05	SW846-8260A
Methacrylonitrile	U	0.001	mg/L	0.001	SW846-8260A
Methyl methacrylate	U	0.001	mg/L	0.001	SW846-8260A
Methylene chloride	U	0.001	mg/L	0.001	SW846-8260A
Pentachloroethane	U	0.002	mg/L	0.002	SW846-8260A
Styrene	U	0.001	mg/L	0.001	SW846-8260A
Tetrachloroethene	U	0.001	mg/L	0.001	SW846-8260A
Toluene	U	0.001	mg/L	0.001	SW846-8260A
Total Xylene	U	0.001	mg/L	0.001	SW846-8260A
trans-1,2-Dichloroethene	U	0.0005	mg/L	0.0005	SW846-8260A
trans-1,3-Dichloropropene	U	0.001	mg/L	0.001	SW846-8260A
Trans-1,4-Dichloro-2-butene	U	0.001	mg/L	0.001	SW846-8260A
Trichloroethene		0.026	mg/L	0.001	SW846-8260A
Trichlorofluoromethane	U	0.002	mg/L	0.002	SW846-8260A
Vinyl acetate	U	0.002	mg/L	0.002	SW846-8260A
Vinyl chloride	U	0.002	mg/L	0.002	SW846-8260A

MW265

AIPGW10-00

AIP GW S,T,U Landfill 10-00

100008

Collected: 10/10/2000

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide		0.45	mg/L		0.25	EPA-300.0-CAWW
Chloride		40.1	mg/L		4	EPA-300.0-CAWW
Fluoride		0.25	mg/L		0.1	EPA-300.0-CAWW
Nitrate		0.98	mg/L		0.02	EPA-300.0-CAWW
Orthosphosphate as Phosphorus	U	0.5	mg/L		0.5	EPA-300.0-CAWW
Sulfate		18.3	mg/L		0.5	EPA-300.0-CAWW
<b>Field P</b>						
Conductivity		390	umho/cm			
Depth to Water		46.34	ft			
Dissolved Oxygen		13.74	mg/L			
pH		6.9	Std Unit			
Temperature		58.8	deg F			
<b>METAL</b>						
Aluminum	B	0.16	mg/L		0.2	SW846-6010A
Antimony	B	0.01	mg/L		0.06	SW846-6010A
Barium		0.23	mg/L		0.2	SW846-6010A
Beryllium	U	0.005	mg/L		0.005	SW846-6010A
Boron	B	0.01	mg/L		0.2	SW846-6010A
Cadmium	U	0.005	mg/L		0.005	SW846-6010A
Calcium		24.6	mg/L		5	SW846-6010A
Chromium	N	1.28	mg/L		0.01	SW846-6010A
Cobalt	B	0.0065	mg/L		0.05	SW846-6010A
Copper		0.02	mg/L		0.02	SW846-6010A
Iron	N	5.5	mg/L		0.1	SW846-6010A
Lead	U	0.003	mg/L		0.003	SW846-6010A
Magnesium		9.67	mg/L		5	SW846-6010A
Manganese		0.18	mg/L		0.01	SW846-6010A
Molybdenum		0.07	mg/L		0.04	SW846-6010A
Nickel		0.53	mg/L		0.04	SW846-6010A
Potassium	B	2.54	mg/L		5	SW846-6010A
Selenium	B	0.0029	mg/L		0.005	SW846-6010A
Silicon		6.04	mg/L		0.5	SW846-6010A
Silver	U	0.01	mg/L		0.01	SW846-6010A
Sodium		44.2	mg/L		5	SW846-6010A
Thallium	U	0.01	mg/L		0.01	SW846-6010A
Vanadium	B	0.0014	mg/L		0.05	SW846-6010A
Zinc	B	0.01	mg/L		0.02	SW846-6010A
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.001	mg/L		0.001	SW846-8260A
1,1,1-Trichloroethane	U	0.001	mg/L		0.001	SW846-8260A
1,1,2,2-Tetrachloroethane	U	0.001	mg/L		0.001	SW846-8260A
1,1,2-Trichloroethane	U	0.001	mg/L		0.001	SW846-8260A
1,1-Dichloroethane	U	0.001	mg/L		0.001	SW846-8260A
1,1-Dichloroethene	U	0.001	mg/L		0.001	SW846-8260A
1,2,3-Trichloropropane	U	0.001	mg/L		0.001	SW846-8260A
1,2-Dibromo-3-chloropropane	U	0.002	mg/L		0.002	SW846-8260A
1,2-Dibromoethane	U	0.001	mg/L		0.001	SW846-8260A
1,2-Dichloroethane	U	0.001	mg/L		0.001	SW846-8260A
1,2-Dichloropropane	U	0.001	mg/L		0.001	SW846-8260A

## MW265

## AIPGW10-00

## AIP GW S,T,U Landfill 10-00

1,4-Dioxane	U	0.2	mg/L	0.2	SW846-8260A
2-Butanone	U	0.005	mg/L	0.005	SW846-8260A
2-Chloro-1,3-butadiene	U	0.001	mg/L	0.001	SW846-8260A
2-Hexanone	U	0.005	mg/L	0.005	SW846-8260A
4-Methyl-2-pentanone	U	0.005	mg/L	0.005	SW846-8260A
Acetone	U	0.01	mg/L	0.01	SW846-8260A
Acetonitrile	U	0.02	mg/L	0.02	SW846-8260A
Acrolein	U	0.02	mg/L	0.02	SW846-8260A
Acrylonitrile	U	0.02	mg/L	0.02	SW846-8260A
Allyl chloride	U	0.002	mg/L	0.002	SW846-8260A
Benzene	U	0.001	mg/L	0.001	SW846-8260A
Bromodichloromethane	U	0.001	mg/L	0.001	SW846-8260A
Bromoform	U	0.001	mg/L	0.001	SW846-8260A
Bromomethane	U	0.002	mg/L	0.002	SW846-8260A
Carbon disulfide	U	0.001	mg/L	0.001	SW846-8260A
Carbon tetrachloride	U	0.001	mg/L	0.001	SW846-8260A
Chlorobenzene	U	0.001	mg/L	0.001	SW846-8260A
Chloroethane	U	0.002	mg/L	0.002	SW846-8260A
Chloroform	U	0.001	mg/L	0.001	SW846-8260A
Chloromethane	U	0.002	mg/L	0.002	SW846-8260A
cis-1,2-Dichloroethene	U	0.0005	mg/L	0.0005	SW846-8260A
cis-1,3-Dichloropropene	U	0.001	mg/L	0.001	SW846-8260A
Dibromochloromethane	U	0.001	mg/L	0.001	SW846-8260A
Dibromomethane	U	0.001	mg/L	0.001	SW846-8260A
Dichlorodifluoromethane	U	0.002	mg/L	0.002	SW846-8260A
Ethyl cyanide	U	0.004	mg/L	0.004	SW846-8260A
Ethyl methacrylate	U	0.001	mg/L	0.001	SW846-8260A
Ethylbenzene	U	0.001	mg/L	0.001	SW846-8260A
Iodomethane	U	0.001	mg/L	0.001	SW846-8260A
Isobutanol	U	0.05	mg/L	0.05	SW846-8260A
Methacrylonitrile	U	0.001	mg/L	0.001	SW846-8260A
Methyl methacrylate	U	0.001	mg/L	0.001	SW846-8260A
Methylene chloride	U	0.001	mg/L	0.001	SW846-8260A
Pentachloroethane	U	0.002	mg/L	0.002	SW846-8260A
Styrene	U	0.001	mg/L	0.001	SW846-8260A
Tetrachloroethene	U	0.001	mg/L	0.001	SW846-8260A
Toluene	U	0.001	mg/L	0.001	SW846-8260A
Total Xylene	U	0.001	mg/L	0.001	SW846-8260A
trans-1,2-Dichloroethene	U	0.0005	mg/L	0.0005	SW846-8260A
trans-1,3-Dichloropropene	U	0.001	mg/L	0.001	SW846-8260A
Trans-1,4-Dichloro-2-butene	U	0.001	mg/L	0.001	SW846-8260A
Trichloroethene		0.0032	mg/L	0.001	SW846-8260A
Trichlorofluoromethane	U	0.002	mg/L	0.002	SW846-8260A
Vinyl acetate	U	0.002	mg/L	0.002	SW846-8260A
Vinyl chloride	U	0.002	mg/L	0.002	SW846-8260A

# Paducah-OREIS Data Report

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12/18/2007

**MW265**

**AIPGW10-00**

**AIP GW S,T,U Landfill 10-00**

**100008F**

Collected: 10/10/2000

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL-D</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium	J	0.19	mg/L		0.2	SW846-6010A
Beryllium	U	0.005	mg/L		0.005	SW846-6010A
Boron	J	0.01	mg/L		0.2	SW846-6010A
Cadmium	U	0.005	mg/L		0.005	SW846-6010A
Calcium		24	mg/L		5	SW846-6010A
Chromium	J	0.0047	mg/L		0.01	SW846-6010A
Cobalt	J	0.0062	mg/L		0.05	SW846-6010A
Copper	J	0.0032	mg/L		0.02	SW846-6010A
Iron	J	0.07	mg/L		0.1	SW846-6010A
Lead	U	0.003	mg/L		0.003	SW846-6010A
Magnesium		9.49	mg/L		5	SW846-6010A
Manganese		0.15	mg/L		0.01	SW846-6010A
Molybdenum	J	0.02	mg/L		0.04	SW846-6010A
Nickel		0.5	mg/L		0.04	SW846-6010A
Potassium	J	2.81	mg/L		5	SW846-6010A
Selenium	U	0.005	mg/L		0.005	SW846-6010A
Silicon		6.81	mg/L		0.5	SW846-6010A
Silver	U	0.01	mg/L		0.01	SW846-6010A
Sodium		43.4	mg/L		5	SW846-6010A
Thallium	U	0.01	mg/L		0.01	SW846-6010A
Vanadium	U	0.05	mg/L		0.05	SW846-6010A
Zinc	J	0.01	mg/L		0.02	SW846-6010A

MW277

AIPGW10-00

AIP GW S,T,U Landfill 10-00

100009

Collected: 10/10/2000

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide		0.62	mg/L		0.25	EPA-300.0-CAWW
Chloride		55.4	mg/L		4	EPA-300.0-CAWW
Fluoride		0.21	mg/L		0.1	EPA-300.0-CAWW
Nitrate		1.7	mg/L		0.4	EPA-300.0-CAWW
Orthosphosphate as Phosphorus	U	0.5	mg/L		0.5	EPA-300.0-CAWW
Sulfate		10.4	mg/L		0.5	EPA-300.0-CAWW
<b>Field P</b>						
Conductivity		399	umho/cm			
Depth to Water		53	ft			
Dissolved Oxygen		3.92	mg/L			
pH		6.17	Std Unit			
Temperature		65.3	deg F			
<b>METAL</b>						
Aluminum		0.32	mg/L		0.2	SW846-6010A
Antimony	B	0.0063	mg/L		0.06	SW846-6010A
Barium		0.22	mg/L		0.2	SW846-6010A
Beryllium	U	0.005	mg/L		0.005	SW846-6010A
Boron	B	0.03	mg/L		0.2	SW846-6010A
Cadmium	U	0.005	mg/L		0.005	SW846-6010A
Calcium		27.9	mg/L		5	SW846-6010A
Chromium	N	0.35	mg/L		0.01	SW846-6010A
Cobalt	B	0.0075	mg/L		0.05	SW846-6010A
Copper	B	0.02	mg/L		0.02	SW846-6010A
Iron	N	1.87	mg/L		0.1	SW846-6010A
Lead	U	0.003	mg/L		0.003	SW846-6010A
Magnesium		11.6	mg/L		5	SW846-6010A
Manganese		0.08	mg/L		0.01	SW846-6010A
Molybdenum		0.04	mg/L		0.04	SW846-6010A
Nickel		0.56	mg/L		0.04	SW846-6010A
Potassium	B	3.23	mg/L		5	SW846-6010A
Selenium	U	0.005	mg/L		0.005	SW846-6010A
Silicon		7.13	mg/L		0.5	SW846-6010A
Silver	U	0.01	mg/L		0.01	SW846-6010A
Sodium		32.2	mg/L		5	SW846-6010A
Thallium	U	0.01	mg/L		0.01	SW846-6010A
Vanadium	U	0.05	mg/L		0.05	SW846-6010A
Zinc	B	0.01	mg/L		0.02	SW846-6010A
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.001	mg/L		0.001	SW846-8260A
1,1,1-Trichloroethane	U	0.001	mg/L		0.001	SW846-8260A
1,1,2,2-Tetrachloroethane	U	0.001	mg/L		0.001	SW846-8260A
1,1,2-Trichloroethane	U	0.001	mg/L		0.001	SW846-8260A
1,1-Dichloroethane	U	0.001	mg/L		0.001	SW846-8260A
1,1-Dichloroethene	U	0.001	mg/L		0.001	SW846-8260A
1,2,3-Trichloropropane	U	0.001	mg/L		0.001	SW846-8260A
1,2-Dibromo-3-chloropropane	U	0.002	mg/L		0.002	SW846-8260A
1,2-Dibromoethane	U	0.001	mg/L		0.001	SW846-8260A
1,2-Dichloroethane	U	0.001	mg/L		0.001	SW846-8260A
1,2-Dichloropropane	U	0.001	mg/L		0.001	SW846-8260A

## MW277

## AIPGW10-00

## AIP GW S,T,U Landfill 10-00

1,4-Dioxane	U	0.2 mg/L	0.2	SW846-8260A
2-Butanone	U	0.005 mg/L	0.005	SW846-8260A
2-Chloro-1,3-butadiene	U	0.001 mg/L	0.001	SW846-8260A
2-Hexanone	U	0.005 mg/L	0.005	SW846-8260A
4-Methyl-2-pentanone	U	0.005 mg/L	0.005	SW846-8260A
Acetone	U	0.01 mg/L	0.01	SW846-8260A
Acetonitrile	U	0.02 mg/L	0.02	SW846-8260A
Acrolein	U	0.02 mg/L	0.02	SW846-8260A
Acrylonitrile	U	0.02 mg/L	0.02	SW846-8260A
Allyl chloride	U	0.002 mg/L	0.002	SW846-8260A
Benzene	U	0.001 mg/L	0.001	SW846-8260A
Bromodichloromethane	U	0.001 mg/L	0.001	SW846-8260A
Bromoform	U	0.001 mg/L	0.001	SW846-8260A
Bromomethane	U	0.002 mg/L	0.002	SW846-8260A
Carbon disulfide	U	0.001 mg/L	0.001	SW846-8260A
Carbon tetrachloride	U	0.001 mg/L	0.001	SW846-8260A
Chlorobenzene	U	0.001 mg/L	0.001	SW846-8260A
Chloroethane	U	0.002 mg/L	0.002	SW846-8260A
Chloroform	U	0.001 mg/L	0.001	SW846-8260A
Chloromethane	U	0.002 mg/L	0.002	SW846-8260A
cis-1,2-Dichloroethene		0.00053 mg/L	0.0005	SW846-8260A
cis-1,3-Dichloropropene	U	0.001 mg/L	0.001	SW846-8260A
Dibromochloromethane	U	0.001 mg/L	0.001	SW846-8260A
Dibromomethane	U	0.001 mg/L	0.001	SW846-8260A
Dichlorodifluoromethane	U	0.002 mg/L	0.002	SW846-8260A
Ethyl cyanide	U	0.004 mg/L	0.004	SW846-8260A
Ethyl methacrylate	U	0.001 mg/L	0.001	SW846-8260A
Ethylbenzene	U	0.001 mg/L	0.001	SW846-8260A
Iodomethane	U	0.001 mg/L	0.001	SW846-8260A
Isobutanol	U	0.05 mg/L	0.05	SW846-8260A
Methacrylonitrile	U	0.001 mg/L	0.001	SW846-8260A
Methyl methacrylate	U	0.001 mg/L	0.001	SW846-8260A
Methylene chloride	U	0.001 mg/L	0.001	SW846-8260A
Pentachloroethane	U	0.002 mg/L	0.002	SW846-8260A
Styrene	U	0.001 mg/L	0.001	SW846-8260A
Tetrachloroethene	U	0.001 mg/L	0.001	SW846-8260A
Toluene	U	0.001 mg/L	0.001	SW846-8260A
Total Xylene	U	0.001 mg/L	0.001	SW846-8260A
trans-1,2-Dichloroethene	U	0.0005 mg/L	0.0005	SW846-8260A
trans-1,3-Dichloropropene	U	0.001 mg/L	0.001	SW846-8260A
Trans-1,4-Dichloro-2-butene	U	0.001 mg/L	0.001	SW846-8260A
Trichloroethene		0.012 mg/L	0.001	SW846-8260A
Trichlorofluoromethane	U	0.002 mg/L	0.002	SW846-8260A
Vinyl acetate	U	0.002 mg/L	0.002	SW846-8260A
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260A



# Paducah-OREIS Data Report

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**MW277**

**AIPGW10-00**

**AIP GW S,T,U Landfill 10-00**

**100009F**

Collected: 10/10/2000

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL-D</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium		0.21	mg/L		0.2	SW846-6010A
Beryllium	U	0.005	mg/L		0.005	SW846-6010A
Boron	B	0.01	mg/L		0.2	SW846-6010A
Cadmium	U	0.005	mg/L		0.005	SW846-6010A
Calcium		27.4	mg/L		5	SW846-6010A
Chromium	B	0.0011	mg/L		0.01	SW846-6010A
Cobalt	B	0.0055	mg/L		0.05	SW846-6010A
Copper	B	0.006	mg/L		0.02	SW846-6010A
Iron	U	0.1	mg/L		0.1	SW846-6010A
Lead	U	0.003	mg/L		0.003	SW846-6010A
Magnesium		11.3	mg/L		5	SW846-6010A
Manganese		0.05	mg/L		0.01	SW846-6010A
Molybdenum	B	0.01	mg/L		0.04	SW846-6010A
Nickel		0.46	mg/L		0.04	SW846-6010A
Potassium	B	4.14	mg/L		5	SW846-6010A
Selenium	U	0.005	mg/L		0.005	SW846-6010A
Silicon		6.45	mg/L		0.5	SW846-6010A
Silver	U	0.01	mg/L		0.01	SW846-6010A
Sodium		31.4	mg/L		5	SW846-6010A
Thallium	U	0.01	mg/L		0.01	SW846-6010A
Vanadium	U	0.05	mg/L		0.05	SW846-6010A
Zinc	B	0.0067	mg/L		0.02	SW846-6010A

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## MW90A

### AIPWGMWSP07-06

#### 070614

Collected: 7/20/2006

Media Type: WG

Sample Type: REG2

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.001	mg/L		0.001	SW846-8260B
1,1,1-Trichloroethane	U	0.001	mg/L		0.001	SW846-8260B
1,1,2,2-Tetrachloroethane	U	0.001	mg/L		0.001	SW846-8260B
1,1,2-Trichloroethane	U	0.001	mg/L		0.001	SW846-8260B
1,1-Dichloroethane	U	0.001	mg/L		0.001	SW846-8260B
1,1-Dichloroethene	U	0.001	mg/L		0.001	SW846-8260B
1,2,3-Trichloropropane	U	0.001	mg/L		0.001	SW846-8260B
1,2-Dibromo-3-chloropropane	U	0.001	mg/L		0.001	SW846-8260B
1,2-Dibromo-3-chloropropane	U	0.001	mg/L		0.001	SW846-8260B
1,2-Dibromoethane	U	0.001	mg/L		0.001	SW846-8260B
1,2-Dibromoethane	U	0.001	mg/L		0.001	SW846-8260B
1,2-Dichloroethane	U	0.001	mg/L		0.001	SW846-8260B
1,2-Dichloroethene	U	0.002	mg/L		0.002	SW846-8260B
1,2-Dichloropropane	U	0.001	mg/L		0.001	SW846-8260B
1,3-Dichloropropane	U	0.001	mg/L		0.001	SW846-8260B
1,4-Dioxane	U	0.2	mg/L		0.2	SW846-8260B
2-Butanone	U	0.005	mg/L		0.005	SW846-8260B
2-Chloro-1,3-butadiene	U	0.001	mg/L		0.001	SW846-8260B
2-Hexanone	U	0.005	mg/L		0.005	SW846-8260B
Acetone	U	0.01	mg/L		0.01	SW846-8260B
Acetonitrile	U	0.02	mg/L		0.02	SW846-8260B
Acrolein	U	0.02	mg/L		0.02	SW846-8260B
Acrylonitrile	U	0.02	mg/L		0.02	SW846-8260B
Allyl chloride	U	0.002	mg/L		0.002	SW846-8260B
Benzene	U	0.001	mg/L		0.001	SW846-8260B
Bromodichloromethane	U	0.001	mg/L		0.001	SW846-8260B
Bromoform	U	0.001	mg/L		0.001	SW846-8260B
Bromomethane	U	0.002	mg/L		0.002	SW846-8260B
Carbon disulfide	U	0.001	mg/L		0.001	SW846-8260B
Carbon tetrachloride	U	0.001	mg/L		0.001	SW846-8260B
Chlorobenzene	U	0.001	mg/L		0.001	SW846-8260B
Chloroethane	U	0.002	mg/L		0.002	SW846-8260B
Chloroform	U	0.001	mg/L		0.001	SW846-8260B
Chloromethane	U	0.002	mg/L		0.002	SW846-8260B
cis-1,2-Dichloroethene	U	0.0005	mg/L		0.0005	SW846-8260B
cis-1,3-Dichloropropene	U	0.001	mg/L		0.001	SW846-8260B
Dibromochloromethane	U	0.001	mg/L		0.001	SW846-8260B
Dibromomethane	U	0.001	mg/L		0.001	SW846-8260B
Dichlorodifluoromethane	U	0.002	mg/L		0.002	SW846-8260B
Dichlorodifluoromethane	U	0.002	mg/L		0.002	SW846-8260B
Ethyl cyanide	U	0.004	mg/L		0.004	SW846-8260B
Ethyl methacrylate	U	0.001	mg/L		0.001	SW846-8260B
Ethylbenzene	U	0.001	mg/L		0.001	SW846-8260B
Iodomethane	U	0.001	mg/L		0.001	SW846-8260B
Isobutanol	U	0.05	mg/L		0.05	SW846-8260B
Methacrylonitrile	U	0.001	mg/L		0.001	SW846-8260B
Methyl methacrylate	U	0.001	mg/L		0.001	SW846-8260B
Methylene chloride	U	0.001	mg/L		0.001	SW846-8260B
Pentachloroethane	U	0.001	mg/L		0.001	SW846-8260B

**MW90A****AIPWGMWSP07-06**

Styrene	U	0.001	mg/L	0.001	SW846-8260B
Tetrachloroethene	U	0.001	mg/L	0.001	SW846-8260B
Toluene	U	0.001	mg/L	0.001	SW846-8260B
Total Xylene	U	0.001	mg/L	0.001	SW846-8260B
trans-1,2-Dichloroethene	U	0.0005	mg/L	0.0005	SW846-8260B
trans-1,3-Dichloropropene	U	0.001	mg/L	0.001	SW846-8260B
Trans-1,4-Dichloro-2-butene	U	0.001	mg/L	0.001	SW846-8260B
Trichloroethene	J	0.00089	mg/L	0.001	SW846-8260B
Trichlorofluoromethane	U	0.002	mg/L	0.002	SW846-8260B
Vinyl acetate	U	0.002	mg/L	0.002	SW846-8260B
Vinyl chloride	U	0.002	mg/L	0.002	SW846-8260B

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**MW90A**

**AIPWGMWSP07-06**

**070614**

Collected: 7/20/2006

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010B
Antimony	U	0.01	mg/L		0.01	SW846-6010B
Arsenic	U	0.01	mg/L		0.01	SW846-6010B
Barium	B	0.151	mg/L		0.2	SW846-6010B
Beryllium	U	0.005	mg/L		0.005	SW846-6010B
Boron	B	0.0171	mg/L		0.2	SW846-6010B
Cadmium	U	0.005	mg/L		0.005	SW846-6010B
Calcium		26.6	mg/L		5	SW846-6010B
Chromium	U	0.01	mg/L		0.01	SW846-6010B
Cobalt	U	0.05	mg/L		0.05	SW846-6010B
Copper	U	0.025	mg/L		0.025	SW846-6010B
Iron		0.992	mg/L		0.1	SW846-6010B
Lead	U	0.003	mg/L		0.003	SW846-6010B
Magnesium		8.28	mg/L		5	SW846-6010B
Manganese	N	0.838	mg/L		0.015	SW846-6010B
Mercury	U	0.0002	mg/L		0.0002	SW846-7470A
Molybdenum	U	0.04	mg/L		0.04	SW846-6010B
Nickel	U	0.04	mg/L		0.04	SW846-6010B
Potassium	U	5	mg/L		5	SW846-6010B
Selenium	U	0.005	mg/L		0.005	SW846-6010B
Silicon	N	13.3	mg/L		0.5	SW846-6010B
Silver	U	0.01	mg/L		0.01	SW846-6010B
Sodium		18	mg/L		5	SW846-6010B
Thallium	U	0.01	mg/L		0.01	SW846-6010B
Uranium	U	0.5	mg/L		0.5	SW846-6010B
Vanadium	U	0.05	mg/L		0.05	SW846-6010B
Zinc	U	0.02	mg/L		0.02	SW846-6010B
<b>PHYSC</b>						
Conductivity		279	umho/cm			
Dissolved Oxygen		1.99	mg/L			
pH		6.39	Std Unit			
Temperature		67.3	deg F			
Turbidity		3.5	NTU			
<b>RADS</b>						
Technetium-99	U	2.4	pCi/L	1.9	3	DOE TC-02-RC MO
<b>SVOA</b>						
1,2,4-Trichlorobenzene	U	0.001	mg/L		0.001	SW846-8260B
1,2-Dichlorobenzene	U	0.001	mg/L		0.001	SW846-8260B
1,3-Dichlorobenzene	U	0.001	mg/L		0.001	SW846-8260B
1,4-Dichlorobenzene	U	0.001	mg/L		0.001	SW846-8260B
Hexachlorobutadiene	U	0.001	mg/L		0.001	SW846-8260B
Naphthalene	U	0.001	mg/L		0.001	SW846-8260B
<b>VOA</b>						
(1,1-Dimethylethyl)benzene	U	0.001	mg/L		0.001	SW846-8260B
(1-Methylpropyl)benzene	U	0.001	mg/L		0.001	SW846-8260B
1,1,1,2-Tetrachloroethane	U	0.001	mg/L		0.001	SW846-8260B
1,1,1-Trichloroethane	U	0.001	mg/L		0.001	SW846-8260B
1,1,2,2-Tetrachloroethane	U	0.001	mg/L		0.001	SW846-8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	U	0.001	mg/L		0.001	SW846-8260B

## MW90A

## AIPWGMWSP07-06

1,1,2-Trichloroethane	U	0.001	mg/L	0.001	SW846-8260B
1,1-Dichloroethane	U	0.001	mg/L	0.001	SW846-8260B
1,1-Dichloroethene	U	0.001	mg/L	0.001	SW846-8260B
1,1-Dichloropropene	U	0.001	mg/L	0.001	SW846-8260B
1,2,3-Trichlorobenzene	U	0.001	mg/L	0.001	SW846-8260B
1,2,3-Trichloropropane	U	0.001	mg/L	0.001	SW846-8260B
1,2-Dibromo-3-chloropropane	U	0.001	mg/L	0.001	SW846-8260B
1,2-Dibromoethane	U	0.001	mg/L	0.001	SW846-8260B
1,2-Dichloroethane	U	0.001	mg/L	0.001	SW846-8260B
1,2-Dichloropropane	U	0.001	mg/L	0.001	SW846-8260B
1,2-Dimethylbenzene	U	0.001	mg/L	0.001	SW846-8260B
1,3,5-Trimethylbenzene	U	0.001	mg/L	0.001	SW846-8260B
1,4-Dioxane	U	0.2	mg/L	0.2	SW846-8260B
1-Butanol	U	0.04	mg/L	0.04	SW846-8260B
1-Chloro-4-methylbenzene	U	0.001	mg/L	0.001	SW846-8260B
1-Methyl-4-(1-methylethyl)benzene	U	0.001	mg/L	0.001	SW846-8260B
2,2-Dichloropropane	U	0.001	mg/L	0.001	SW846-8260B
2-Butanone	U	0.005	mg/L	0.005	SW846-8260B
2-Chloro-1,3-butadiene	U	0.001	mg/L	0.001	SW846-8260B
2-Hexanone	U	0.005	mg/L	0.005	SW846-8260B
2-Methoxy-2-methylpropane	U	0.002	mg/L	0.002	SW846-8260B
2-Nitropropane	U	0.01	mg/L	0.01	SW846-8260B
4-Methyl-2-pentanone	U	0.005	mg/L	0.005	SW846-8260B
Acetone	U	0.01	mg/L	0.01	SW846-8260B
Acetonitrile	U	0.02	mg/L	0.02	SW846-8260B
Acrolein	U	0.02	mg/L	0.02	SW846-8260B
Acrylonitrile	U	0.02	mg/L	0.02	SW846-8260B
Allyl chloride	U	0.002	mg/L	0.002	SW846-8260B
Benzene	U	0.001	mg/L	0.001	SW846-8260B
Bromobenzene	U	0.001	mg/L	0.001	SW846-8260B
Bromochloromethane	U	0.001	mg/L	0.001	SW846-8260B
Bromodichloromethane	U	0.001	mg/L	0.001	SW846-8260B
Bromoform	U	0.001	mg/L	0.001	SW846-8260B
Bromomethane	U	0.002	mg/L	0.002	SW846-8260B
Butylbenzene	U	0.001	mg/L	0.001	SW846-8260B
Carbon disulfide	U	0.001	mg/L	0.001	SW846-8260B
Carbon tetrachloride	U	0.001	mg/L	0.001	SW846-8260B
Chlorobenzene	U	0.001	mg/L	0.001	SW846-8260B
Chloroethane	U	0.002	mg/L	0.002	SW846-8260B
Chloroform	U	0.001	mg/L	0.001	SW846-8260B
Chloromethane	U	0.002	mg/L	0.002	SW846-8260B
cis-1,2-Dichloroethene	U	0.0005	mg/L	0.0005	SW846-8260B
cis-1,3-Dichloropropene	U	0.001	mg/L	0.001	SW846-8260B
Cumene	U	0.001	mg/L	0.001	SW846-8260B
Cyclohexane	U	0.001	mg/L	0.001	SW846-8260B
Cyclohexanone	U	0.02	mg/L	0.02	SW846-8260B
Dibromochloromethane	U	0.001	mg/L	0.001	SW846-8260B
Dibromomethane	U	0.001	mg/L	0.001	SW846-8260B
Dichlorodifluoromethane	U	0.002	mg/L	0.002	SW846-8260B
Diethyl ether	U	0.001	mg/L	0.001	SW846-8260B
Ethyl acetate	U	0.002	mg/L	0.002	SW846-8260B
Ethyl cyanide	U	0.004	mg/L	0.004	SW846-8260B
Ethyl methacrylate	U	0.001	mg/L	0.001	SW846-8260B
Ethylbenzene	U	0.001	mg/L	0.001	SW846-8260B
Hexane	U	0.004	mg/L	0.004	SW846-8260B

**MW90A****AIPWGMWSP07-06**

Iodomethane	U	0.001	mg/L	0.001	SW846-8260B
Isobutanol	U	0.05	mg/L	0.05	SW846-8260B
m,p-Xylene	U	0.002	mg/L	0.002	SW846-8260B
Methacrylonitrile	U	0.001	mg/L	0.001	SW846-8260B
Methyl acetate	U	0.005	mg/L	0.005	SW846-8260B
Methyl methacrylate	U	0.001	mg/L	0.001	SW846-8260B
Methylcyclohexane	U	0.004	mg/L	0.004	SW846-8260B
Methylene chloride	U	0.001	mg/L	0.001	SW846-8260B
o-Chlorotoluene	U	0.001	mg/L	0.001	SW846-8260B
Pentachloroethane	U	0.001	mg/L	0.001	SW846-8260B
Propylbenzene	U	0.001	mg/L	0.001	SW846-8260B
Styrene	U	0.001	mg/L	0.001	SW846-8260B
Tetrachloroethene	U	0.001	mg/L	0.001	SW846-8260B
Tetrahydrofuran	U	0.01	mg/L	0.01	SW846-8260B
Toluene	U	0.001	mg/L	0.001	SW846-8260B
Total Xylene	U	0.001	mg/L	0.001	SW846-8260B
trans-1,2-Dichloroethene	U	0.0005	mg/L	0.0005	SW846-8260B
trans-1,3-Dichloropropene	U	0.001	mg/L	0.001	SW846-8260B
Trans-1,4-Dichloro-2-butene	U	0.001	mg/L	0.001	SW846-8260B
Trichloroethene		0.0012	mg/L	0.001	SW846-8260B
Trichlorofluoromethane	U	0.002	mg/L	0.002	SW846-8260B
Vinyl acetate	U	0.002	mg/L	0.002	SW846-8260B
Vinyl chloride	U	0.002	mg/L	0.002	SW846-8260B

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# Paducah-OREIS Data Report

PaducahOREIS Download  
12/18/2007

**MW95A**

**AIPWGMWSP07-06**

**070615**

Collected: 7/20/2006

Media Type: WG

Sample Type: REG2

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>VOA</b> Trichloroethene	D	0.29	mg/L		0.01	SW846-8260B

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# Paducah-OREIS Data Report

PaducahOREIS Download  
12/18/2007

**MW95A**

**AIPWGMWSP07-06**

**070615**

Collected: 7/20/2006

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010B
Antimony	U	0.01	mg/L		0.01	SW846-6010B
Arsenic	U	0.01	mg/L		0.01	SW846-6010B
Barium	B	0.125	mg/L		0.2	SW846-6010B
Beryllium	U	0.005	mg/L		0.005	SW846-6010B
Boron	B	0.016	mg/L		0.2	SW846-6010B
Cadmium	U	0.005	mg/L		0.005	SW846-6010B
Calcium		21.1	mg/L		5	SW846-6010B
Chromium	U	0.01	mg/L		0.01	SW846-6010B
Cobalt	U	0.05	mg/L		0.05	SW846-6010B
Copper	U	0.025	mg/L		0.025	SW846-6010B
Iron	B	0.0308	mg/L		0.1	SW846-6010B
Lead	U	0.003	mg/L		0.003	SW846-6010B
Magnesium		8.45	mg/L		5	SW846-6010B
Manganese	N	0.0847	mg/L		0.015	SW846-6010B
Mercury	U	0.0002	mg/L		0.0002	SW846-7470A
Molybdenum	U	0.04	mg/L		0.04	SW846-6010B
Nickel	U	0.04	mg/L		0.04	SW846-6010B
Potassium	U	5	mg/L		5	SW846-6010B
Selenium	U	0.005	mg/L		0.005	SW846-6010B
Silicon	N	7.19	mg/L		0.5	SW846-6010B
Silver	U	0.01	mg/L		0.01	SW846-6010B
Sodium		13.8	mg/L		5	SW846-6010B
Thallium	U	0.01	mg/L		0.01	SW846-6010B
Uranium	U	0.5	mg/L		0.5	SW846-6010B
Vanadium	U	0.05	mg/L		0.05	SW846-6010B
Zinc	U	0.02	mg/L		0.02	SW846-6010B
<b>PHYSC</b>						
Conductivity		246	umho/cm			
Dissolved Oxygen		1.13	mg/L			
pH		6.21	Std Unit			
Temperature		69	deg F			
Turbidity		0	NTU			
<b>RADS</b>						
Technetium-99		3.7	pCi/L	1.9	3.1	DOE TC-02-RC MO
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.001	mg/L		0.001	SW846-8260B
1,1,1-Trichloroethane	U	0.001	mg/L		0.001	SW846-8260B
1,1,2,2-Tetrachloroethane	U	0.001	mg/L		0.001	SW846-8260B
1,1,2-Trichloroethane	U	0.001	mg/L		0.001	SW846-8260B
1,1-Dichloroethane	U	0.001	mg/L		0.001	SW846-8260B
1,1-Dichloroethene		0.002	mg/L		0.001	SW846-8260B
1,2,3-Trichloropropane	U	0.001	mg/L		0.001	SW846-8260B
1,2-Dibromo-3-chloropropane	U	0.001	mg/L		0.001	SW846-8260B
1,2-Dibromoethane	U	0.001	mg/L		0.001	SW846-8260B
1,2-Dichloroethane	U	0.001	mg/L		0.001	SW846-8260B
1,2-Dichloropropane	U	0.001	mg/L		0.001	SW846-8260B
1,4-Dioxane	U	0.2	mg/L		0.2	SW846-8260B
2-Butanone	U	0.005	mg/L		0.005	SW846-8260B



## MW95A

## AIPWGMWSP07-06

2-Chloro-1,3-butadiene	U	0.001	mg/L	0.001	SW846-8260B
2-Hexanone	U	0.005	mg/L	0.005	SW846-8260B
Acetone	U	0.01	mg/L	0.01	SW846-8260B
Acetonitrile	U	0.02	mg/L	0.02	SW846-8260B
Acrolein	U	0.02	mg/L	0.02	SW846-8260B
Acrylonitrile	U	0.02	mg/L	0.02	SW846-8260B
Allyl chloride	U	0.002	mg/L	0.002	SW846-8260B
Benzene	U	0.001	mg/L	0.001	SW846-8260B
Bromodichloromethane	U	0.001	mg/L	0.001	SW846-8260B
Bromoform	U	0.001	mg/L	0.001	SW846-8260B
Bromomethane	U	0.002	mg/L	0.002	SW846-8260B
Carbon disulfide	U	0.001	mg/L	0.001	SW846-8260B
Carbon tetrachloride	J	0.00049	mg/L	0.001	SW846-8260B
Chlorobenzene	U	0.001	mg/L	0.001	SW846-8260B
Chloroethane	U	0.002	mg/L	0.002	SW846-8260B
Chloroform	J	0.00047	mg/L	0.001	SW846-8260B
Chloromethane	U	0.002	mg/L	0.002	SW846-8260B
cis-1,2-Dichloroethene		0.014	mg/L	0.0005	SW846-8260B
cis-1,3-Dichloropropene	U	0.001	mg/L	0.001	SW846-8260B
Dibromochloromethane	U	0.001	mg/L	0.001	SW846-8260B
Dibromomethane	U	0.001	mg/L	0.001	SW846-8260B
Dichlorodifluoromethane	U	0.002	mg/L	0.002	SW846-8260B
Ethyl cyanide	U	0.004	mg/L	0.004	SW846-8260B
Ethyl methacrylate	U	0.001	mg/L	0.001	SW846-8260B
Ethylbenzene	U	0.001	mg/L	0.001	SW846-8260B
Iodomethane	U	0.001	mg/L	0.001	SW846-8260B
Isobutanol	U	0.05	mg/L	0.05	SW846-8260B
Methacrylonitrile	U	0.001	mg/L	0.001	SW846-8260B
Methyl methacrylate	U	0.001	mg/L	0.001	SW846-8260B
Methylene chloride	U	0.001	mg/L	0.001	SW846-8260B
Pentachloroethane	U	0.001	mg/L	0.001	SW846-8260B
Styrene	U	0.001	mg/L	0.001	SW846-8260B
Tetrachloroethene	J	0.00041	mg/L	0.001	SW846-8260B
Toluene	U	0.001	mg/L	0.001	SW846-8260B
Total Xylene	U	0.001	mg/L	0.001	SW846-8260B
trans-1,2-Dichloroethene	U	0.0005	mg/L	0.0005	SW846-8260B
trans-1,3-Dichloropropene	U	0.001	mg/L	0.001	SW846-8260B
Trans-1,4-Dichloro-2-butene	U	0.001	mg/L	0.001	SW846-8260B
Trichloroethene	E	0.29	mg/L	0.001	SW846-8260B
Trichlorofluoromethane	U	0.002	mg/L	0.002	SW846-8260B
Vinyl acetate	U	0.002	mg/L	0.002	SW846-8260B
Vinyl chloride	U	0.002	mg/L	0.002	SW846-8260B

MW182

AIPWGSP04-00

AIP WG MW Split 04-00

040001

Collected: 4/19/2000

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>Field P</b>						
Conductivity		1131	umho/cm			
Conductivity		1131	umho/cm			
Depth to Water		23.04	ft			
Depth to Water		23.04	ft			
Dissolved Oxygen		1.18	mg/L			
Dissolved Oxygen		1.18	mg/L			
pH		6.4	Std Unit			
pH		6.4	Std Unit			
Temperature		65.8	deg F			
Temperature		65.8	deg F			
<b>METAL</b>						
Aluminum		3.47	mg/L		0.2	SW846-6010A
Antimony	U	0.01	mg/L		0.01	SW846-6010A
Arsenic		0.01	mg/L		0.01	SW846-6010A
Barium		0.85	mg/L		0.2	SW846-6010A
Beryllium	B	0.0011	mg/L		0.005	SW846-6010A
Boron	B	0.07	mg/L		0.2	SW846-6010A
Cadmium	U	0.002	mg/L		0.002	SW846-6010A
Calcium		165	mg/L		5	SW846-6010A
Chromium		0.01	mg/L		0.005	SW846-6010A
Cobalt	B	0.01	mg/L		0.05	SW846-6010A
Copper	B	0.0091	mg/L		0.02	SW846-6010A
Iron		13.7	mg/L		0.1	SW846-6010A
Lead	U	0.003	mg/L		0.003	SW846-6010A
Magnesium		36.1	mg/L		5	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470A
Molybdenum	U	0.04	mg/L		0.04	SW846-6010A
Nickel		0.05	mg/L		0.04	SW846-6010A
Potassium		10	mg/L		5	SW846-6010A
Selenium	U	0.005	mg/L		0.005	SW846-6010A
Silicon	N	14.4	mg/L		0.5	SW846-6010A
Silver	U	0.005	mg/L		0.005	SW846-6010A
Sodium		32.6	mg/L		5	SW846-6010A
Thallium	U	0.01	mg/L		0.01	SW846-6010A
Vanadium	B	0.01	mg/L		0.05	SW846-6010A
Zinc		0.02	mg/L		0.02	SW846-6010A
<b>VOA</b>						
(1,1-Dimethylethyl)benzene	U	0.001	mg/L		0.001	SW846-8260A
(1-Methylpropyl)benzene	U	0.001	mg/L		0.001	SW846-8260A
1,1,1,2-Tetrachloroethane	U	0.001	mg/L		0.001	SW846-8260A
1,1,1-Trichloroethane	U	0.001	mg/L		0.001	SW846-8260A
1,1,2,2-Tetrachloroethane	U	0.001	mg/L		0.001	SW846-8260A
1,1,2-Trichloroethane	U	0.001	mg/L		0.001	SW846-8260A
1,1,2-Trichlorofluoroethane	U	0.001	mg/L		0.001	SW846-8260A
1,1-Dichloroethane	U	0.001	mg/L		0.001	SW846-8260A
1,1-Dichloroethene	U	0.001	mg/L		0.001	SW846-8260A
1,1-Dichloropropene	U	0.001	mg/L		0.001	SW846-8260A
1,2,3-Trichlorobenzene	U	0.001	mg/L		0.001	SW846-8260A
1,2,3-Trichloropropane	U	0.001	mg/L		0.001	SW846-8260A

## MW182

## AIPWGSP04-00

## AIP WG MW Split 04-00

1,2,4-Trichlorobenzene	U	0.001	mg/L	0.001	SW846-8260A
1,2,4-Trimethylbenzene	U	0.001	mg/L	0.001	SW846-8260A
1,2-Dibromo-3-chloropropane	U	0.001	mg/L	0.001	SW846-8260A
1,2-Dibromoethane	U	0.001	mg/L	0.001	SW846-8260A
1,2-Dichlorobenzene	U	0.001	mg/L	0.001	SW846-8260A
1,2-Dichloroethane	U	0.001	mg/L	0.001	SW846-8260A
1,2-Dichloroethene	U	0.001	mg/L	0.001	SW846-8260A
1,2-Dichloropropane	U	0.001	mg/L	0.001	SW846-8260A
1,2-Dimethylbenzene	U	0.0005	mg/L	0.0005	SW846-8260A
1,3,5-Trimethylbenzene	U	0.001	mg/L	0.001	SW846-8260A
1,3-Dichlorobenzene	U	0.001	mg/L	0.001	SW846-8260A
1,3-Dichloropropane	U	0.001	mg/L	0.001	SW846-8260A
1,4-Dichlorobenzene	U	0.001	mg/L	0.001	SW846-8260A
1,4-Dioxane	U	0.02	mg/L	0.02	SW846-8260A
1-Butanol	U	0.01	mg/L	0.01	SW846-8260A
1-Chloro-4-methylbenzene	U	0.001	mg/L	0.001	SW846-8260A
1-Methyl-4-(1-methylethyl)benzene	U	0.001	mg/L	0.001	SW846-8260A
2,2-Dichloropropane	U	0.001	mg/L	0.001	SW846-8260A
2-Butanone	U	0.005	mg/L	0.005	SW846-8260A
2-Chloro-1,3-butadiene	U	0.001	mg/L	0.001	SW846-8260A
2-Chloroethyl vinyl ether	U	0.001	mg/L	0.001	SW846-8260A
2-Hexanone	U	0.005	mg/L	0.005	SW846-8260A
2-Methoxy-2-methylpropane	U	0.002	mg/L	0.002	SW846-8260A
4-Methyl-2-pentanone	U	0.005	mg/L	0.005	SW846-8260A
Acetone	U	0.01	mg/L	0.01	SW846-8260A
Acetonitrile	U	0.005	mg/L	0.005	SW846-8260A
Acrolein	U	0.005	mg/L	0.005	SW846-8260A
Acrylonitrile	U	0.005	mg/L	0.005	SW846-8260A
Allyl chloride	U	0.001	mg/L	0.001	SW846-8260A
Benzene	U	0.001	mg/L	0.001	SW846-8260A
Bromobenzene	U	0.001	mg/L	0.001	SW846-8260A
Bromochloromethane	U	0.001	mg/L	0.001	SW846-8260A
Bromodichloromethane	U	0.001	mg/L	0.001	SW846-8260A
Bromoform	U	0.001	mg/L	0.001	SW846-8260A
Bromomethane	U	0.002	mg/L	0.002	SW846-8260A
Butylbenzene	U	0.001	mg/L	0.001	SW846-8260A
Carbon disulfide	U	0.001	mg/L	0.001	SW846-8260A
Carbon tetrachloride	U	0.001	mg/L	0.001	SW846-8260A
Chlorobenzene	U	0.001	mg/L	0.001	SW846-8260A
Chloroethane	U	0.002	mg/L	0.002	SW846-8260A
Chloroform	U	0.001	mg/L	0.001	SW846-8260A
Chloromethane	U	0.002	mg/L	0.002	SW846-8260A
cis-1,3-Dichloropropene	U	0.001	mg/L	0.001	SW846-8260A
Cumene	U	0.001	mg/L	0.001	SW846-8260A
Cyclohexanone	U	0.01	mg/L	0.01	SW846-8260A
Dibromochloromethane	U	0.001	mg/L	0.001	SW846-8260A
Dibromomethane	U	0.001	mg/L	0.001	SW846-8260A
Dichlorodifluoromethane	U	0.002	mg/L	0.002	SW846-8260A
Diethyl ether	U	0.002	mg/L	0.002	SW846-8260A
Ethyl acetate	U	0.002	mg/L	0.002	SW846-8260A
Ethyl cyanide	U	0.005	mg/L	0.005	SW846-8260A
Ethyl methacrylate	U	0.001	mg/L	0.001	SW846-8260A
Ethylbenzene	U	0.001	mg/L	0.001	SW846-8260A
Hexachlorobutadiene	U	0.001	mg/L	0.001	SW846-8260A
Iodomethane	U	0.001	mg/L	0.001	SW846-8260A

## MW182

## AIPWGSP04-00

## AIP WG MW Split 04-00

Isobutanol	U	0.02	mg/L	0.02	SW846-8260A
m,p-Xylene	U	0.0005	mg/L	0.0005	SW846-8260A
Methacrylonitrile	U	0.005	mg/L	0.005	SW846-8260A
Methyl methacrylate	U	0.001	mg/L	0.001	SW846-8260A
Methylene chloride	U	0.001	mg/L	0.001	SW846-8260A
Naphthalene	U	0.001	mg/L	0.001	SW846-8260A
o-Chlorotoluene	U	0.001	mg/L	0.001	SW846-8260A
Pentachloroethane	U	0.001	mg/L	0.001	SW846-8260A
Propylbenzene	U	0.001	mg/L	0.001	SW846-8260A
Styrene	U	0.001	mg/L	0.001	SW846-8260A
Tetrachloroethene	U	0.001	mg/L	0.001	SW846-8260A
Tetrahydrofuran	U	0.005	mg/L	0.005	SW846-8260A
Toluene	U	0.001	mg/L	0.001	SW846-8260A
Total Xylene	U	0.001	mg/L	0.001	SW846-8260A
trans-1,2-Dichloroethene	U	0.0005	mg/L	0.0005	SW846-8260A
trans-1,3-Dichloropropene	U	0.001	mg/L	0.001	SW846-8260A
Trans-1,4-Dichloro-2-butene	U	0.001	mg/L	0.001	SW846-8260A
Trichloroethene	U	0.001	mg/L	0.001	SW846-8260A
Trichlorofluoromethane	U	0.002	mg/L	0.002	SW846-8260A
Vinyl acetate	U	0.001	mg/L	0.001	SW846-8260A
Vinyl chloride	U	0.002	mg/L	0.002	SW846-8260A

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MW226

C404-95

C-404 Landfill Monitoring 1995

5044-95

Collected: 1/17/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		52.37	ft			
Dissolved Oxygen		2.31	mg/L			
pH		6.1	Std Unit			
Temperature		59	deg F			
<b>METAL</b>						
Cadmium	U	0.002	mg/L			SW846-6010
Chromium		0.012	mg/L			SW846-6010
Lead	U	0.004	mg/L			SW846-7421
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
Uranium	U	0.001	mg/L			SA-U-8
<b>METAL-D</b>						
Cadmium	U	0.002	mg/L			SW846-6010
Chromium	U	0.01	mg/L			SW846-6010
Lead	U	0.004	mg/L			SW846-7421
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
<b>PHYSC</b>						
Specific Conductivity (PIP)		270	umho/cm			SA-COND-1
<b>RADS</b>						
Alpha activity	U	1000	pCi/L			R
Beta activity	U	1000	pCi/L			R
Technetium-99		26	pCi/L	21		R-46
<b>VOA</b>						
Trichloroethene		0.017	mg/L			EPA-624

5045-95

Collected: 1/17/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.1	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		270	umho/cm			SA-COND-1

5046-95

Collected: 1/17/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.1	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		269	umho/cm			SA-COND-1

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**MW226**

**C404-95**

**C-404 Landfill Monitoring 1995**

**5047-95**

Collected: 1/17/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.1	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		269	umho/cm			SA-COND-1

**5109-95**

Collected: 1/23/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		52.57	ft			
Dissolved Oxygen		0.82	mg/L			
pH		6.1	Std Unit			
Temperature		59	deg F			
<b>METAL</b>						
Cadmium	U	0.002	mg/L			SW846-6010
Chromium	U	0.01	mg/L			SW846-6010
Lead	U	0.004	mg/L			SW846-7421
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
Uranium	U	0.001	mg/L			SA-U-8
<b>METAL-D</b>						
Cadmium	U	0.002	mg/L			SW846-6010
Chromium	U	0.01	mg/L			SW846-6010
Lead	U	0.004	mg/L			SW846-7421
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
<b>PHYSC</b>						
Specific Conductivity (PIP)		269	umho/cm			SA-COND-1
<b>RADS</b>						
Alpha activity	U	1000	pCi/L			R
Beta activity	U	1000	pCi/L			R
Technetium-99		31	pCi/L	19		R-46
<b>VOA</b>						
Trichloroethene		0.017	mg/L			SW846-8260

**5110-95**

Collected: 1/23/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.1	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		269	umho/cm			SA-COND-1

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**MW226**

**C404-95**

**C-404 Landfill Monitoring 1995**

**5111-95**

Collected: 1/23/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.1	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		269	umho/cm			SA-COND-1

**5112-95**

Collected: 1/23/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.1	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		269	umho/cm			SA-COND-1

**5175-95**

Collected: 2/6/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		52.4	ft			
Dissolved Oxygen		1.33	mg/L			
pH		6	Std Unit			
Temperature		59	deg F			
<b>METAL</b>						
Cadmium	U	0.002	mg/L			SW846-6010
Chromium		0.31	mg/L			SW846-6010
Lead	U	0.004	mg/L			SW846-7421
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
Uranium	U	0.001	mg/L			SA-U-8
<b>METAL-D</b>						
Cadmium	U	0.002	mg/L			SW846-6010
Chromium	U	0.01	mg/L			SW846-6010
Lead	U	0.004	mg/L			SW846-7421
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
<b>PHYSC</b>						
Specific Conductivity (PIP)		271	umho/cm			SA-COND-1
<b>RADS</b>						
Alpha activity	U	1000	pCi/L			R
Beta activity	U	1000	pCi/L			R
Technetium-99		28	pCi/L	22		R-46
Uranium-235		0.73	wt %			TIMS-3
<b>VOA</b>						
Trichloroethene		0.016	mg/L			EPA-624

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**MW226**

**C404-95**

## C-404 Landfill Monitoring 1995

**5176-95**

Collected: 2/6/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		271	umho/cm			SA-COND-1

---

**5177-95**

Collected: 2/6/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		271	umho/cm			SA-COND-1

---

**5178-95**

Collected: 2/6/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		271	umho/cm			SA-COND-1

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**MW226**

**C404-95**

**C-404 Landfill Monitoring 1995**

**5240-95**

Collected: 2/13/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		52.44	ft			
Dissolved Oxygen		0.32	mg/L			
pH		5.9	Std Unit			
Temperature		59	deg F			
<b>METAL</b>						
Cadmium	U	0.002	mg/L			SW846-6010
Chromium		0.024	mg/L			SW846-6010
Lead	U	0.004	mg/L			SW846-7421
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
Uranium	U	0.001	mg/L			SA-U-8
<b>METAL-D</b>						
Cadmium	U	0.002	mg/L			SW846-6010
Chromium	U	0.01	mg/L			SW846-6010
Lead	U	0.004	mg/L			SW846-7421
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
<b>PHYSC</b>						
Specific Conductivity (PIP)		271	umho/cm			SA-COND-1
<b>RADS</b>						
Alpha activity	U	1000	pCi/L			R
Beta activity	U	1000	pCi/L			R
Technetium-99		36	pCi/L	22		R-46
<b>VOA</b>						
Trichloroethene		0.016	mg/L			SW846-8260

**5241-95**

Collected: 2/13/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		270	umho/cm			SA-COND-1

**5242-95**

Collected: 2/13/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		270	umho/cm			SA-COND-1

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## MW226

### C404-95

### C-404 Landfill Monitoring 1995

#### 5243-95

Collected: 2/13/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		270	umho/cm			SA-COND-1

#### 5750-95

Collected: 4/19/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		49.97	ft			
Dissolved Oxygen		0.75	mg/L			
pH		5.8	Std Unit			
Temperature		61	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			SA-U-8
<b>PHYSC</b>						
Specific Conductivity (PIP)		271	umho/cm			SA-COND-1
<b>RADS</b>						
Technetium-99		39	pCi/L	19		R-46

#### 5751-95

Collected: 4/19/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.8	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		271	umho/cm			SA-COND-1

#### 5752-95

Collected: 4/19/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.8	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		271	umho/cm			SA-COND-1

#### 5753-95

Collected: 4/19/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.8	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		271	umho/cm			SA-COND-1

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**MW226**

**C404-95**

**C-404 Landfill Monitoring 1995**

**5812-95**

Collected: 4/24/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		50.21	ft			
Dissolved Oxygen		0.76	mg/L			
pH		5.9	Std Unit			
Temperature		60	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			SA-U-8
<b>PHYSC</b>						
Specific Conductivity (PIP)		270	umho/cm			SA-COND-1
<b>RADS</b>						
Technetium-99		44	pCi/L	19		R-46

**5813-95**

Collected: 4/24/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		270	umho/cm			SA-COND-1

**5814-95**

Collected: 4/24/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		270	umho/cm			SA-COND-1

**5815-95**

Collected: 4/24/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		271	umho/cm			SA-COND-1

**MW226**

**C404-95**

**C-404 Landfill Monitoring 1995**

**5877-95**

Collected: 5/3/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		50.12	ft			
Dissolved Oxygen		1.52	mg/L			
pH		5.9	Std Unit			
Temperature		60	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			SA-U-8
<b>PHYSC</b>						
Specific Conductivity (PIP)		272	umho/cm			SA-COND-1
<b>RADS</b>						
Technetium-99		15	pCi/L	24		R-46

**5878-95**

Collected: 5/3/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		271	umho/cm			SA-COND-1

**5879-95**

Collected: 5/3/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		271	umho/cm			SA-COND-1

**5880-95**

Collected: 5/3/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		271	umho/cm			SA-COND-1

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**MW226**

**C404-95**

**C-404 Landfill Monitoring 1995**

**5942-95**

Collected: 5/8/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		48.21	ft			
Dissolved Oxygen		2.49	mg/L			
pH		5.6	Std Unit			
Temperature		61	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			SA-U-8
<b>PHYSC</b>						
Specific Conductivity (PIP)		271	umho/cm			SA-COND-1
<b>RADS</b>						
Technetium-99		49	pCi/L	20		R-46

**5943-95**

Collected: 5/8/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		271	umho/cm			SA-COND-1

**5944-95**

Collected: 5/8/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		271	umho/cm			SA-COND-1

**5945-95**

Collected: 5/8/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		272	umho/cm			SA-COND-1

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MW226

C404-95

C-404 Landfill Monitoring 1995

6842-95

Collected: 7/19/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		46.49	ft			
Dissolved Oxygen		1.47	mg/L			
pH		5.6	Std Unit			
Temperature		61	deg F			
<b>METAL</b>						
Cadmium	U	0.01	mg/L			SW846-6010
Chromium	U	0.05	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
Uranium	U	0.001	mg/L			IN7110
<b>PHYSC</b>						
Specific Conductivity (PIP)		273	umho/cm			IN7125
<b>RADS</b>						
Technetium-99		32	pCi/L	11		R-46
<b>VOA</b>						
Trichloroethene		0.016	mg/L			SW846-8260

6843-95

Collected: 7/19/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		274	umho/cm			IN7125

6844-95

Collected: 7/19/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		272	umho/cm			IN7125

6845-95

Collected: 7/19/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		273	umho/cm			IN7125

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**MW226**

**C404-95**

**C-404 Landfill Monitoring 1995**

**6911-95**

Collected: 7/25/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		47.45	ft			
Dissolved Oxygen		2.18	mg/L			
pH		5.9	Std Unit			
Temperature		61	deg F			
<b>METAL</b>						
Cadmium	U	0.01	mg/L			SW846-6010
Chromium	U	0.05	mg/L			SW846-6010
Mercury	U	0.002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
Uranium	U	0.001	mg/L			IN7105
<b>PHYSC</b>						
Specific Conductivity (PIP)		277	umho/cm			IN7125
<b>RADS</b>						
Technetium-99		32	pCi/L	12		R-46
<b>VOA</b>						
Trichloroethene		0.011	mg/L			SW846-8260

**6912-95**

Collected: 7/25/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		276	umho/cm			IN7125

**6913-95**

Collected: 7/25/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		275	umho/cm			IN7125

**6914-95**

Collected: 7/25/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		275	umho/cm			IN7125

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**MW226**

**C404-95**

**C-404 Landfill Monitoring 1995**

**6980-95**

Collected: 8/7/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		47.92	ft			
Dissolved Oxygen		1.13	mg/L			
pH		5.9	Std Unit			
Temperature		60	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			IN7105
<b>PHYSC</b>						
Specific Conductivity (PIP)		273	umho/cm			IN7125
<b>RADS</b>						
Technetium-99		41	pCi/L	12		R-46

**6981-95**

Collected: 8/7/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		273	umho/cm			IN7125

**6982-95**

Collected: 8/7/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		273	umho/cm			IN7125

**6983-95**

Collected: 8/7/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		273	umho/cm			IN7125



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**MW226**

**C404-95**

**C-404 Landfill Monitoring 1995**

**7049-95**

Collected: 8/14/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		47.95	ft			
Dissolved Oxygen		1.02	mg/L			
pH		6	Std Unit			
Temperature		61	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			IN7105
<b>PHYSC</b>						
Specific Conductivity (PIP)		282	umho/cm			IN7125
<b>RADS</b>						
Technetium-99		43	pCi/L	11		R-46

**7050-95**

Collected: 8/14/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		278	umho/cm			IN7125

**7051-95**

Collected: 8/14/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		277	umho/cm			IN7125

**7052-95**

Collected: 8/14/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		276	umho/cm			IN7125

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**MW226**

**C404-95**

**C-404 Landfill Monitoring 1995**

**7677-95**

Collected: 10/23/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		50.83	ft			
Dissolved Oxygen		0.27	mg/L			
pH		6	Std Unit			
Temperature		60	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			IN7105
<b>PHYSC</b>						
Specific Conductivity (PIP)		276	umho/cm			IN7125
<b>RADS</b>						
Technetium-99		34	pCi/L	11		RL-7100

**7678-95**

Collected: 10/23/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		276	umho/cm			IN7125

**7679-95**

Collected: 10/23/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		277	umho/cm			IN7125

**7680-95**

Collected: 10/23/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		277	umho/cm			IN7125

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**MW226**

**C404-95**

**C-404 Landfill Monitoring 1995**

**7744-95**

Collected: 10/30/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		51.22	ft			
Dissolved Oxygen		0.63	mg/L			
pH		6	Std Unit			
Temperature		60	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			IN7105
<b>PHYSC</b>						
Specific Conductivity (PIP)		278	umho/cm			IN7125
<b>RADS</b>						
Technetium-99		40	pCi/L	11		RL-7100

**7745-95**

Collected: 10/30/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		277	umho/cm			IN7125

**7746-95**

Collected: 10/30/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		277	umho/cm			IN7125

**7747-95**

Collected: 10/30/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		277	umho/cm			IN7125

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**MW226**

**C404-95**

**C-404 Landfill Monitoring 1995**

**7812-95**

Collected: 11/8/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		52	ft			
Dissolved Oxygen		0.39	mg/L			
pH		5.9	Std Unit			
Temperature		60	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			IN7105
<b>PHYSC</b>						
Specific Conductivity (PIP)		274	umho/cm			IN7125
<b>RADS</b>						
Technetium-99		54	pCi/L	12		RL-7100

**7813-95**

Collected: 11/8/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		274	umho/cm			IN7125

**7814-95**

Collected: 11/8/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		273	umho/cm			IN7125

**7815-95**

Collected: 11/8/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		274	umho/cm			IN7125

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**MW226**

**C404-95**

**C-404 Landfill Monitoring 1995**

**7880-95**

Collected: 11/15/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		52.11	ft			
Dissolved Oxygen		0.74	mg/L			
pH		5.8	Std Unit			
Temperature		60	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			IN7105
<b>PHYSC</b>						
Specific Conductivity (PIP)		276	umho/cm			IN7125
<b>RADS</b>						
Technetium-99		55	pCi/L	11		RL-7100

**7881-95**

Collected: 11/15/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.8	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		275	umho/cm			IN7125

**7882-95**

Collected: 11/15/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.8	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		275	umho/cm			IN7125

**7883-95**

Collected: 11/15/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.8	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		275	umho/cm			IN7125

**MW226**

**C404-95**

**C-404 Landfill Monitoring 1995**

**5052-95**

Collected: 1/17/1995

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		52.37	ft			
Dissolved Oxygen		1.65	mg/L			
pH		6.1	Std Unit			
Temperature		59	deg F			
<b>METAL</b>						
Cadmium	U	0.002	mg/L			SW846-6010
Chromium		0.022	mg/L			SW846-6010
Lead	U	0.004	mg/L			SW846-7421
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
Uranium	U	0.001	mg/L			SA-U-8
<b>METAL-D</b>						
Cadmium	U	0.002	mg/L			SW846-6010
Chromium	U	0.01	mg/L			SW846-6010
Lead	U	0.004	mg/L			SW846-7421
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
<b>PHYSC</b>						
Specific Conductivity (PIP)		269	umho/cm			SA-COND-1
<b>RADS</b>						
Technetium-99		30	pCi/L	21		R-46
<b>VOA</b>						
Trichloroethene		0.017	mg/L			EPA-624

**5053-95**

Collected: 1/17/1995

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.1	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		269	umho/cm			SA-COND-1

**5054-95**

Collected: 1/17/1995

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.1	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		268	umho/cm			SA-COND-1

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**MW226**

**C404-95**

**C-404 Landfill Monitoring 1995**

**5055-95**

Collected: 1/17/1995

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.1	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		268	umho/cm			SA-COND-1

**5950-95**

Collected: 5/8/1995

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		48.21	ft			
Dissolved Oxygen		2.49	mg/L			
pH		5.6	Std Unit			
Temperature		61	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			SA-U-8
<b>PHYSC</b>						
Specific Conductivity (PIP)		271	umho/cm			SA-COND-1
<b>RADS</b>						
Technetium-99		43	pCi/L	20		R-46

**5951-95**

Collected: 5/8/1995

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		271	umho/cm			SA-COND-1

**5952-95**

Collected: 5/8/1995

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		271	umho/cm			SA-COND-1

**5953-95**

Collected: 5/8/1995

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		272	umho/cm			SA-COND-1

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**MW226**

**C404-95**

**C-404 Landfill Monitoring 1995**

**7057-95**

Collected: 8/14/1995

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		47.95	ft			
Dissolved Oxygen		1.02	mg/L			
pH		6	Std Unit			
Temperature		61	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			IN7105
<b>PHYSC</b>						
Specific Conductivity (PIP)		276	umho/cm			IN7125
<b>RADS</b>						
Technetium-99		30	pCi/L	10		R-46

**7058-95**

Collected: 8/14/1995

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		276	umho/cm			IN7125

**7059-95**

Collected: 8/14/1995

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		276	umho/cm			IN7125

**7060-95**

Collected: 8/14/1995

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		275	umho/cm			IN7125



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**MW226**

**C404-95**

**C-404 Landfill Monitoring 1995**

**7752-95**

Collected: 10/30/1995

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		51.22	ft			
Dissolved Oxygen		0.63	mg/L			
pH		6	Std Unit			
Temperature		60	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			IN7105
<b>PHYSC</b>						
Specific Conductivity (PIP)		278	umho/cm			IN7125
<b>RADS</b>						
Technetium-99		36	pCi/L	11		RL-7100

**7753-95**

Collected: 10/30/1995

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		277	umho/cm			IN7125

**7754-95**

Collected: 10/30/1995

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		277	umho/cm			IN7125

**7755-95**

Collected: 10/30/1995

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		277	umho/cm			IN7125

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**MW227**

**C404-95**

**C-404 Landfill Monitoring 1995**

**5048-95**

Collected: 1/17/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		52.8	ft			
Dissolved Oxygen		2.17	mg/L			
pH		6.2	Std Unit			
Temperature		60	deg F			
<b>METAL</b>						
Cadmium	U	0.002	mg/L			SW846-6010
Chromium	U	0.01	mg/L			SW846-6010
Lead	U	0.004	mg/L			SW846-7421
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
Uranium	U	0.001	mg/L			SA-U-8
<b>METAL-D</b>						
Cadmium	U	0.002	mg/L			SW846-6010
Chromium	U	0.01	mg/L			SW846-6010
Lead	U	0.004	mg/L			SW846-7421
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
<b>PHYSC</b>						
Specific Conductivity (PIP)		247	umho/cm			SA-COND-1
<b>RADS</b>						
Alpha activity	U	1000	pCi/L			R
Beta activity	U	1000	pCi/L			R
Technetium-99		9	pCi/L	20		R-46
<b>VOA</b>						
Trichloroethene		0.004	mg/L			EPA-624

**5049-95**

Collected: 1/17/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.2	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		247	umho/cm			SA-COND-1

**5050-95**

Collected: 1/17/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.2	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		247	umho/cm			SA-COND-1

**MW227**

**C404-95**

**C-404 Landfill Monitoring 1995**

**5051-95**

Collected: 1/17/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.2	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		247	umho/cm			SA-COND-1

**5127-95**

Collected: 1/23/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		52.88	ft			
Dissolved Oxygen		2.1	mg/L			
pH		6.2	Std Unit			
Temperature		59	deg F			
<b>METAL</b>						
Cadmium	U	0.002	mg/L			SW846-6010
Chromium	U	0.01	mg/L			SW846-6010
Lead	U	0.004	mg/L			SW846-7421
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
Uranium	U	0.001	mg/L			SA-U-8
<b>METAL-D</b>						
Cadmium	U	0.002	mg/L			SW846-6010
Chromium	U	0.01	mg/L			SW846-6010
Lead	U	0.004	mg/L			SW846-7421
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
<b>PHYSC</b>						
Specific Conductivity (PIP)		249	umho/cm			SA-COND-1
<b>RADS</b>						
Alpha activity	U	1000	pCi/L			R
Beta activity	U	1000	pCi/L			R
Technetium-99		18	pCi/L	19		R-46
<b>VOA</b>						
Trichloroethene		0.003	mg/L			SW846-8260

**5128-95**

Collected: 1/23/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.2	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		246	umho/cm			SA-COND-1

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C404-95

C-404 Landfill Monitoring 1995

5129-95

Collected: 1/23/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.1	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		244	umho/cm			SA-COND-1

5130-95

Collected: 1/23/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.1	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		244	umho/cm			SA-COND-1

5179-95

Collected: 2/6/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		52.65	ft			
Dissolved Oxygen		2.04	mg/L			
pH		6.3	Std Unit			
Temperature		59	deg F			
<b>METAL</b>						
Arsenic		0.12	mg/L			SW846-7060
Cadmium		0.0037	mg/L			SW846-6010
Chromium		0.35	mg/L			SW846-6010
Lead		0.09	mg/L			SW846-7421
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
Uranium		0.003	mg/L			SA-U-8
<b>METAL-D</b>						
Cadmium	U	0.002	mg/L			SW846-6010
Chromium	U	0.01	mg/L			SW846-6010
Lead	U	0.004	mg/L			SW846-7421
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
Uranium	U	0.001	mg/L			SA-U-8
<b>PHYSC</b>						
Specific Conductivity (PIP)		244	umho/cm			SA-COND-1
<b>RADS</b>						
Alpha activity	U	1000	pCi/L			R
Beta activity	U	1000	pCi/L			R
Technetium-99		9	pCi/L	18		R-46
<b>VOA</b>						
Trichloroethene		0.003	mg/L			SW846-8260

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**MW227**

**C404-95**

## C-404 Landfill Monitoring 1995

**5180-95**

Collected: 2/6/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.3	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		245	umho/cm			SA-COND-1

**5181-95**

Collected: 2/6/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.3	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		243	umho/cm			SA-COND-1

**5182-95**

Collected: 2/6/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.3	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		244	umho/cm			SA-COND-1

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**MW227**

**C404-95**

**C-404 Landfill Monitoring 1995**

**5244-95**

Collected: 2/13/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		52.66	ft			
Dissolved Oxygen		1.36	mg/L			
pH		6	Std Unit			
Temperature		59	deg F			
<b>METAL</b>						
Cadmium	U	0.002	mg/L			SW846-6010
Chromium		0.03	mg/L			SW846-6010
Lead		0.0067	mg/L			SW846-7421
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
Uranium	U	0.001	mg/L			SA-U-8
<b>METAL-D</b>						
Cadmium	U	0.002	mg/L			SW846-6010
Chromium	U	0.01	mg/L			SW846-6010
Lead	U	0.004	mg/L			SW846-7421
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
<b>PHYSC</b>						
Specific Conductivity (PIP)		245	umho/cm			SA-COND-1
<b>RADS</b>						
Alpha activity	U	1000	pCi/L			R
Beta activity	U	1000	pCi/L			R
Technetium-99		17	pCi/L	21		R-46
<b>VOA</b>						
Trichloroethene		0.004	mg/L			SW846-8260

**5245-95**

Collected: 2/13/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		244	umho/cm			SA-COND-1

**5246-95**

Collected: 2/13/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		245	umho/cm			SA-COND-1

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**MW227**

**C404-95**

**C-404 Landfill Monitoring 1995**

**5247-95**

Collected: 2/13/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		246	umho/cm			SA-COND-1

**5754-95**

Collected: 4/19/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		50.56	ft			
Dissolved Oxygen		1.9	mg/L			
pH		5.9	Std Unit			
Temperature		60	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			SA-U-8
<b>PHYSC</b>						
Specific Conductivity (PIP)		245	umho/cm			SA-COND-1
<b>RADS</b>						
Technetium-99		16	pCi/L	18		R-46

**5755-95**

Collected: 4/19/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		245	umho/cm			SA-COND-1

**5756-95**

Collected: 4/19/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		245	umho/cm			SA-COND-1

**5757-95**

Collected: 4/19/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		246	umho/cm			SA-COND-1

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**MW227**

**C404-95**

**C-404 Landfill Monitoring 1995**

**5816-95**

Collected: 4/24/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		50.44	ft			
Dissolved Oxygen		1.64	mg/L			
pH		6	Std Unit			
Temperature		59	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			SA-U-8
<b>PHYSC</b>						
Specific Conductivity (PIP)		246	umho/cm			SA-COND-1
<b>RADS</b>						
Technetium-99		23	pCi/L	19		R-46

**5817-95**

Collected: 4/24/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		245	umho/cm			SA-COND-1

**5818-95**

Collected: 4/24/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		245	umho/cm			SA-COND-1

**5819-95**

Collected: 4/24/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		246	umho/cm			SA-COND-1



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**MW227**

**C404-95**

**C-404 Landfill Monitoring 1995**

**5881-95**

Collected: 5/3/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		50.46	ft			
Dissolved Oxygen		2.85	mg/L			
pH		6	Std Unit			
Temperature		60	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			SA-U-8
<b>PHYSC</b>						
Specific Conductivity (PIP)		246	umho/cm			SA-COND-1
<b>RADS</b>						
Technetium-99		5	pCi/L	18		R-46

**5882-95**

Collected: 5/3/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		246	umho/cm			SA-COND-1

**5883-95**

Collected: 5/3/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		245	umho/cm			SA-COND-1

**5884-95**

Collected: 5/3/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		246	umho/cm			SA-COND-1

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**MW227**

**C404-95**

**C-404 Landfill Monitoring 1995**

**5946-95**

Collected: 5/8/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		50.02	ft			
Dissolved Oxygen		1.48	mg/L			
pH		5.7	Std Unit			
Temperature		61	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			SA-U-8
<b>PHYSC</b>						
Specific Conductivity (PIP)		245	umho/cm			SA-COND-1
<b>RADS</b>						
Technetium-99		14	pCi/L	19		R-46

**5947-95**

Collected: 5/8/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.7	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		246	umho/cm			SA-COND-1

**5948-95**

Collected: 5/8/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.7	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		246	umho/cm			SA-COND-1

**5949-95**

Collected: 5/8/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.7	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		246	umho/cm			SA-COND-1

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**MW227**

**C404-95**

**C-404 Landfill Monitoring 1995**

**6846-95**

Collected: 7/19/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		47.71	ft			
Dissolved Oxygen		2.28	mg/L			
pH		5.7	Std Unit			
Temperature		61	deg F			
<b>METAL</b>						
Cadmium	U	0.01	mg/L			SW846-6010
Chromium	U	0.05	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
Uranium		0.001	mg/L			IN7110
<b>PHYSC</b>						
Specific Conductivity (PIP)		247	umho/cm			IN7125
<b>RADS</b>						
Technetium-99		6	pCi/L	10		R-46
<b>VOA</b>						
Trichloroethene		0.005	mg/L			SW846-8260

**6847-95**

Collected: 7/19/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.7	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		247	umho/cm			IN7125

**6848-95**

Collected: 7/19/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.7	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		246	umho/cm			IN7125

**6849-95**

Collected: 7/19/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.7	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		246	umho/cm			IN7125

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## MW227

### C404-95

### C-404 Landfill Monitoring 1995

#### 6915-95

Collected: 7/25/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		47.7	ft			
Dissolved Oxygen		1.65	mg/L			
pH		6	Std Unit			
Temperature		61	deg F			
<b>METAL</b>						
Cadmium	U	0.01	mg/L			SW846-6010
Chromium	U	0.05	mg/L			SW846-6010
Mercury	U	0.002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
Uranium	U	0.001	mg/L			IN7105
<b>PHYSC</b>						
Specific Conductivity (PIP)		248	umho/cm			IN7125
<b>RADS</b>						
Technetium-99		23	pCi/L	12		R-46
<b>VOA</b>						
Trichloroethene		0.004	mg/L			SW846-8260

#### 6916-95

Collected: 7/25/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		248	umho/cm			IN7125

#### 6917-95

Collected: 7/25/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		247	umho/cm			IN7125

#### 6918-95

Collected: 7/25/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		247	umho/cm			IN7125

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**MW227**

**C404-95**

**C-404 Landfill Monitoring 1995**

**6984-95**

Collected: 8/7/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		48.13	ft			
Dissolved Oxygen		2.06	mg/L			
pH		6	Std Unit			
Temperature		61	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			IN7105
<b>PHYSC</b>						
Specific Conductivity (PIP)		250	umho/cm			IN7125
<b>RADS</b>						
Technetium-99		14	pCi/L	11		R-46

**6985-95**

Collected: 8/7/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		250	umho/cm			IN7125

**6986-95**

Collected: 8/7/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		250	umho/cm			IN7125

**6987-95**

Collected: 8/7/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		250	umho/cm			IN7125

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**MW227**

**C404-95**

**C-404 Landfill Monitoring 1995**

**7053-95**

Collected: 8/14/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		48.3	ft			
Dissolved Oxygen		0.92	mg/L			
pH		6.1	Std Unit			
Temperature		61	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			IN7105
<b>PHYSC</b>						
Specific Conductivity (PIP)		255	umho/cm			IN7125
<b>RADS</b>						
Technetium-99		12	pCi/L	10		R-46

**7054-95**

Collected: 8/14/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.1	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		254	umho/cm			IN7125

**7055-95**

Collected: 8/14/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.1	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		255	umho/cm			IN7125

**7056-95**

Collected: 8/14/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.1	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		255	umho/cm			IN7125

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**MW227**

**C404-95**

**C-404 Landfill Monitoring 1995**

**7681-95**

Collected: 10/23/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		51.08	ft			
Dissolved Oxygen		2.07	mg/L			
pH		6	Std Unit			
Temperature		60	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			IN7105
<b>PHYSC</b>						
Specific Conductivity (PIP)		251	umho/cm			IN7125
<b>RADS</b>						
Technetium-99		0	pCi/L	10		RL-7100

**7682-95**

Collected: 10/23/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		252	umho/cm			IN7125

**7683-95**

Collected: 10/23/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		251	umho/cm			IN7125

**7684-95**

Collected: 10/23/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		251	umho/cm			IN7125

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**MW227**

**C404-95**

**C-404 Landfill Monitoring 1995**

**7748-95**

Collected: 10/30/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		51.59	ft			
Dissolved Oxygen		2.18	mg/L			
pH		6.1	Std Unit			
Temperature		60	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			IN7105
<b>PHYSC</b>						
Specific Conductivity (PIP)		251	umho/cm			IN7125
<b>RADS</b>						
Technetium-99		6	pCi/L	10		RL-7100

**7749-95**

Collected: 10/30/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.1	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		251	umho/cm			IN7125

**7750-95**

Collected: 10/30/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.1	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		251	umho/cm			IN7125

**7751-95**

Collected: 10/30/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.1	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		251	umho/cm			IN7125



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## MW227

### C404-95

### C-404 Landfill Monitoring 1995

#### 7816-95

Collected: 11/8/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		52.12	ft			
Dissolved Oxygen		2.68	mg/L			
pH		6	Std Unit			
Temperature		60	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			IN7105
<b>PHYSC</b>						
Specific Conductivity (PIP)		246	umho/cm			IN7125
<b>RADS</b>						
Technetium-99		7	pCi/L	10		RL-7100

#### 7817-95

Collected: 11/8/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		246	umho/cm			IN7125

#### 7818-95

Collected: 11/8/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		246	umho/cm			IN7125

#### 7819-95

Collected: 11/8/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		246	umho/cm			IN7125

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**MW227**

**C404-95**

**C-404 Landfill Monitoring 1995**

**7884-95**

Collected: 11/15/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		52.16	ft			
Dissolved Oxygen		2.41	mg/L			
pH		5.9	Std Unit			
Temperature		60	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			IN7105
<b>PHYSC</b>						
Specific Conductivity (PIP)		249	umho/cm			IN7125
<b>RADS</b>						
Technetium-99		22	pCi/L	10		RL-7100

**7885-95**

Collected: 11/15/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		248	umho/cm			IN7125

**7886-95**

Collected: 11/15/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		248	umho/cm			IN7125

**7887-95**

Collected: 11/15/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		248	umho/cm			IN7125

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**MW227**

**C404-95**

**C-404 Landfill Monitoring 1995**

**5123-95**

Collected: 1/23/1995

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		52.88	ft			
Dissolved Oxygen		2.15	mg/L			
pH		6.2	Std Unit			
Temperature		59	deg F			
<b>METAL</b>						
Cadmium	U	0.002	mg/L			SW846-6010
Chromium	U	0.01	mg/L			SW846-6010
Lead	U	0.004	mg/L			SW846-7421
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
Uranium	U	0.001	mg/L			SA-U-8
<b>METAL-D</b>						
Cadmium	U	0.002	mg/L			SW846-6010
Chromium	U	0.01	mg/L			SW846-6010
Lead	U	0.004	mg/L			SW846-7421
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
<b>PHYSC</b>						
Specific Conductivity (PIP)		244	umho/cm			SA-COND-1
<b>RADS</b>						
Technetium-99		10	pCi/L	17		R-46
<b>VOA</b>						
Trichloroethene		0.004	mg/L			SW846-8260

**5124-95**

Collected: 1/23/1995

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.1	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		244	umho/cm			SA-COND-1

**5125-95**

Collected: 1/23/1995

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.1	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		243	umho/cm			SA-COND-1

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**MW227**

**C404-95**

**C-404 Landfill Monitoring 1995**

**5126-95**

Collected: 1/23/1995

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.1	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		244	umho/cm			SA-COND-1

**5820-95**

Collected: 4/24/1995

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		50.44	ft			
Dissolved Oxygen		1.64	mg/L			
pH		6	Std Unit			
Temperature		59	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			SA-U-8
<b>PHYSC</b>						
Specific Conductivity (PIP)		245	umho/cm			SA-COND-1
<b>RADS</b>						
Technetium-99		20	pCi/L	18		R-46

**5821-95**

Collected: 4/24/1995

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		245	umho/cm			SA-COND-1

**5822-95**

Collected: 4/24/1995

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		247	umho/cm			SA-COND-1

**5823-95**

Collected: 4/24/1995

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		249	umho/cm			SA-COND-1

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**MW227**

**C404-95**

**C-404 Landfill Monitoring 1995**

**6988-95**

Collected: 8/7/1995

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		48.13	ft			
Dissolved Oxygen		2.06	mg/L			
pH		6	Std Unit			
Temperature		61	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			IN7105
<b>PHYSC</b>						
Specific Conductivity (PIP)		250	umho/cm			IN7125
<b>RADS</b>						
Technetium-99		17	pCi/L	11		R-46

**6989-95**

Collected: 8/7/1995

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		250	umho/cm			IN7125

**6990-95**

Collected: 8/7/1995

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		250	umho/cm			IN7125

**6991-95**

Collected: 8/7/1995

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		250	umho/cm			IN7125

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**MW227**

**C404-95**

**C-404 Landfill Monitoring 1995**

**7685-95**

Collected: 10/23/1995

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		51.08	ft			
Dissolved Oxygen		2.07	mg/L			
pH		6	Std Unit			
Temperature		60	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			IN7105
<b>PHYSC</b>						
Specific Conductivity (PIP)		251	umho/cm			IN7125
<b>RADS</b>						
Technetium-99		0	pCi/L	0		RL-7100

**7686-95**

Collected: 10/23/1995

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		251	umho/cm			IN7125

**7687-95**

Collected: 10/23/1995

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		250	umho/cm			IN7125

**7688-95**

Collected: 10/23/1995

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		250	umho/cm			IN7125

**MW84**  
**C404-95**  
**5000-95**

**C-404 Landfill Monitoring 1995**

Collected: 1/18/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		50.19	ft			
Dissolved Oxygen		1.53	mg/L			
pH		6.1	Std Unit			
Temperature		60	deg F			
<b>METAL</b>						
Cadmium	U	0.002	mg/L			SW846-6010
Chromium	U	0.01	mg/L			SW846-6010
Lead	U	0.004	mg/L			SW846-7421
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
Uranium	U	0.001	mg/L			SA-U-8
<b>METAL-D</b>						
Cadmium	U	0.002	mg/L			SW846-6010
Chromium	U	0.01	mg/L			SW846-6010
Lead	U	0.004	mg/L			SW846-7421
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
<b>PHYSC</b>						
Specific Conductivity (PIP)		209	umho/cm			SA-COND-1
<b>RADS</b>						
Alpha activity	U	1000	pCi/L			R
Beta activity	U	1000	pCi/L			R
Technetium-99		42	pCi/L	21		R-46
<b>VOA</b>						
Trichloroethene	U	0.001	mg/L			EPA-624

**5001-95**

Collected: 1/18/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.1	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		209	umho/cm			SA-COND-1

**5002-95**

Collected: 1/18/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.1	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		209	umho/cm			SA-COND-1

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**MW84**  
**C404-95**  
**5003-95**

**C-404 Landfill Monitoring 1995**

Collected: 1/18/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.1	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		209	umho/cm			SA-COND-1

**5065-95**

Collected: 1/24/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		51.58	ft			
Dissolved Oxygen		2.21	mg/L			
pH		6.1	Std Unit			
Temperature		59	deg F			
<b>METAL</b>						
Cadmium	U	0.002	mg/L			SW846-6010
Chromium	U	0.01	mg/L			SW846-6010
Lead	U	0.004	mg/L			SW846-7421
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
Uranium	U	0.001	mg/L			SA-U-8
<b>METAL-D</b>						
Cadmium	U	0.002	mg/L			SW846-6010
Chromium	U	0.01	mg/L			SW846-6010
Lead	U	0.004	mg/L			SW846-7421
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
<b>PHYSC</b>						
Specific Conductivity (PIP)		206	umho/cm			SA-COND-1
<b>RADS</b>						
Alpha activity	U	1000	pCi/L			R
Beta activity	U	1000	pCi/L			R
Technetium-99		160	pCi/L	27		R-46
<b>VOA</b>						
Trichloroethene	U	0.001	mg/L			SW846-8260

**5066-95**

Collected: 1/24/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.1	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		206	umho/cm			SA-COND-1



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**MW84**  
**C404-95**  
**5067-95**

**C-404 Landfill Monitoring 1995**

Collected: 1/24/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.1	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		206	umho/cm			SA-COND-1

**5068-95**

Collected: 1/24/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.1	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		205	umho/cm			SA-COND-1

**5131-95**

Collected: 2/7/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		50	ft			
Dissolved Oxygen		1.54	mg/L			
pH		5.9	Std Unit			
Temperature		59	deg F			
<b>METAL</b>						
Cadmium	U	0.002	mg/L			SW846-6010
Chromium	U	0.01	mg/L			SW846-6010
Lead	U	0.004	mg/L			SW846-7421
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
Uranium	U	0.001	mg/L			SA-U-8
<b>METAL-D</b>						
Cadmium	U	0.002	mg/L			SW846-6010
Chromium	U	0.01	mg/L			SW846-6010
Lead	U	0.004	mg/L			SW846-7421
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
<b>PHYSC</b>						
Specific Conductivity (PIP)		207	umho/cm			SA-COND-1
<b>RADS</b>						
Alpha activity	U	1000	pCi/L			R
Beta activity	U	1000	pCi/L			R
Technetium-99		104	pCi/L	25		R-46
<b>VOA</b>						
Trichloroethene	U	0.001	mg/L			SW846-8260

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**MW84**  
**C404-95**  
**5132-95**

**C-404 Landfill Monitoring 1995**

Collected: 2/7/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		207	umho/cm			SA-COND-1

**5133-95**

Collected: 2/7/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		207	umho/cm			SA-COND-1

**5134-95**

Collected: 2/7/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		206	umho/cm			SA-COND-1

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**MW84**  
**C404-95**  
**5196-95**

## C-404 Landfill Monitoring 1995

Collected: 2/15/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		49.52	ft			
Dissolved Oxygen		1.9	mg/L			
pH		5.9	Std Unit			
Temperature		59	deg F			
<b>METAL</b>						
Cadmium	U	0.002	mg/L			SW846-6010
Chromium	U	0.01	mg/L			SW846-6010
Lead	U	0.004	mg/L			SW846-7421
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
Uranium	U	0.001	mg/L			SA-U-8
<b>METAL-D</b>						
Cadmium	U	0.002	mg/L			SW846-6010
Chromium	U	0.01	mg/L			SW846-6010
Lead	U	0.004	mg/L			SW846-7421
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
<b>PHYSC</b>						
Specific Conductivity (PIP)		210	umho/cm			SA-COND-1
<b>RADS</b>						
Alpha activity	U	1000	pCi/L			R
Beta activity	U	1000	pCi/L			R
Technetium-99		111	pCi/L	25		R-46
<b>VOA</b>						
Trichloroethene	U	0.001	mg/L			SW846-8260

**5197-95**

Collected: 2/15/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		209	umho/cm			SA-COND-1

**5198-95**

Collected: 2/15/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		209	umho/cm			SA-COND-1

**MW84**  
**C404-95**  
**5199-95**

**C-404 Landfill Monitoring 1995**

Collected: 2/15/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		208	umho/cm			SA-COND-1

**5706-95**

Collected: 4/17/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		47.93	ft			
Dissolved Oxygen		3.38	mg/L			
pH		5.9	Std Unit			
Temperature		61	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			SA-U-8
<b>PHYSC</b>						
Specific Conductivity (PIP)		211	umho/cm			SA-COND-1
<b>RADS</b>						
Technetium-99		73	pCi/L	23		R-46

**5707-95**

Collected: 4/17/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		211	umho/cm			SA-COND-1

**5708-95**

Collected: 4/17/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		211	umho/cm			SA-COND-1

**5709-95**

Collected: 4/17/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		210	umho/cm			SA-COND-1

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**MW84**  
**C404-95**  
**5768-95**

**C-404 Landfill Monitoring 1995**

Collected: 4/25/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		48.13	ft			
Dissolved Oxygen		3.45	mg/L			
pH		5.8	Std Unit			
Temperature		60	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			SA-U-8
<b>PHYSC</b>						
Specific Conductivity (PIP)		211	umho/cm			SA-COND-1
<b>RADS</b>						
Technetium-99		135	pCi/L	25		R-46

**5769-95**

Collected: 4/25/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.8	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		209	umho/cm			SA-COND-1

**5770-95**

Collected: 4/25/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.8	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		210	umho/cm			SA-COND-1

**5771-95**

Collected: 4/25/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.8	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		210	umho/cm			SA-COND-1

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**MW84**  
**C404-95**  
**5833-95**

**C-404 Landfill Monitoring 1995**

Collected: 5/3/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		47.98	ft			
Dissolved Oxygen		1.39	mg/L			
pH		5.7	Std Unit			
Temperature		60	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			SA-U-8
<b>PHYSC</b>						
Specific Conductivity (PIP)		210	umho/cm			SA-COND-1
<b>RADS</b>						
Technetium-99		144	pCi/L	25		R-46

**5834-95**

Collected: 5/3/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.7	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		209	umho/cm			SA-COND-1

**5835-95**

Collected: 5/3/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.7	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		209	umho/cm			SA-COND-1

**5836-95**

Collected: 5/3/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.7	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		209	umho/cm			SA-COND-1

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**MW84**  
**C404-95**  
**5898-95**

**C-404 Landfill Monitoring 1995**

Collected: 5/8/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		47.45	ft			
Dissolved Oxygen		1.62	mg/L			
pH		5.7	Std Unit			
Temperature		61	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			SA-U-8
<b>PHYSC</b>						
Specific Conductivity (PIP)		210	umho/cm			SA-COND-1
<b>RADS</b>						
Technetium-99		136	pCi/L	25		R-46

**5899-95**

Collected: 5/8/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.7	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		210	umho/cm			SA-COND-1

**5900-95**

Collected: 5/8/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.7	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		210	umho/cm			SA-COND-1

**5901-95**

Collected: 5/8/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.7	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		210	umho/cm			SA-COND-1

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**MW84**  
**C404-95**  
**6794-95**

**C-404 Landfill Monitoring 1995**

Collected: 7/20/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		45.1	ft			
Dissolved Oxygen		3.76	mg/L			
pH		5.9	Std Unit			
Temperature		61	deg F			
<b>METAL</b>						
Cadmium	U	0.01	mg/L			SW846-6010
Chromium	U	0.05	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
Uranium	U	0.001	mg/L			IN7110
<b>PHYSC</b>						
Specific Conductivity (PIP)		210	umho/cm			IN7125
<b>RADS</b>						
Technetium-99		172	pCi/L	15		R-46
<b>VOA</b>						
Trichloroethene	U	0.001	mg/L			SW846-8260

**6796-95**

Collected: 7/20/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		210	umho/cm			IN7125

**6797-95**

Collected: 7/20/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		209	umho/cm			IN7125



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**MW84**  
**C404-95**  
**6863-95**

## C-404 Landfill Monitoring 1995

Collected: 7/26/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		45.16	ft			
Dissolved Oxygen		2.23	mg/L			
pH		6	Std Unit			
Temperature		61	deg F			
<b>METAL</b>						
Cadmium	U	0.01	mg/L			SW846-6010
Chromium	U	0.05	mg/L			SW846-6010
Mercury	U	0.002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
Uranium	U	0.001	mg/L			IN7105
<b>PHYSC</b>						
Specific Conductivity (PIP)		209	umho/cm			IN7125
<b>RADS</b>						
Technetium-99		245	pCi/L	18		R-46
<b>VOA</b>						
Trichloroethene	U	0.001	mg/L			SW846-8260

**6864-95**

Collected: 7/26/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		208	umho/cm			IN7125

**6865-95**

Collected: 7/26/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		207	umho/cm			IN7125

**6866-95**

Collected: 7/26/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		208	umho/cm			IN7125

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**MW84**  
**C404-95**  
**6932-95**

**C-404 Landfill Monitoring 1995**

Collected: 8/8/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		45.48	ft			
Dissolved Oxygen		2.26	mg/L			
pH		5.8	Std Unit			
Temperature		61	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			IN7105
<b>PHYSC</b>						
Specific Conductivity (PIP)		211	umho/cm			IN7125
<b>RADS</b>						
Technetium-99		178	pCi/L	16		R-46

**6933-95**

Collected: 8/8/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.8	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		209	umho/cm			IN7125

**6934-95**

Collected: 8/8/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.8	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		209	umho/cm			IN7125

**6935-95**

Collected: 8/8/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.8	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		209	umho/cm			IN7125

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**MW84**  
**C404-95**  
**7001-95**

**C-404 Landfill Monitoring 1995**

Collected: 8/16/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		45.63	ft			
Dissolved Oxygen		2.58	mg/L			
pH		6.1	Std Unit			
Temperature		61	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			IN7105
<b>PHYSC</b>						
Specific Conductivity (PIP)		213	umho/cm			IN7125
<b>RADS</b>						
Technetium-99		177	pCi/L	15		R-46

**7002-95**

Collected: 8/16/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.1	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		213	umho/cm			IN7125

**7003-95**

Collected: 8/16/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.1	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		213	umho/cm			IN7125

**7004-95**

Collected: 8/16/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.1	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		213	umho/cm			IN7125

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**MW84**  
**C404-95**  
**7629-95**

## C-404 Landfill Monitoring 1995

Collected: 10/24/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		48.93	ft			
Dissolved Oxygen		3.13	mg/L			
pH		6	Std Unit			
Temperature		60	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			IN7105
<b>PHYSC</b>						
Specific Conductivity (PIP)		209	umho/cm			IN7125
<b>RADS</b>						
Technetium-99		131	pCi/L	14		RL-7100

**7630-95**

Collected: 10/24/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		210	umho/cm			IN7125

**7631-95**

Collected: 10/24/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		209	umho/cm			IN7125

**7632-95**

Collected: 10/24/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		209	umho/cm			IN7125

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**MW84**  
**C404-95**  
**7696-95**

**C-404 Landfill Monitoring 1995**

Collected: 10/30/1995      Media Type: WG      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		49.23	ft			
Dissolved Oxygen		1.56	mg/L			
pH		6.1	Std Unit			
Temperature		60	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			IN7105
<b>PHYSC</b>						
Specific Conductivity (PIP)		209	umho/cm			IN7125
<b>RADS</b>						
Technetium-99		186	pCi/L	16		RL-7100

**7697-95**

Collected: 10/30/1995      Media Type: WG      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.1	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		209	umho/cm			IN7125

**7698-95**

Collected: 10/30/1995      Media Type: WG      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.1	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		210	umho/cm			IN7125

**7699-95**

Collected: 10/30/1995      Media Type: WG      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.1	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		209	umho/cm			IN7125

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**MW84**  
**C404-95**  
**7764-95**

**C-404 Landfill Monitoring 1995**

Collected: 11/6/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		49.17	ft			
Dissolved Oxygen		1.88	mg/L			
pH		6.1	Std Unit			
Temperature		60	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			IN7105
<b>PHYSC</b>						
Specific Conductivity (PIP)		209	umho/cm			IN7125
<b>RADS</b>						
Technetium-99		151	pCi/L	15		RL-7100

**7765-95**

Collected: 11/6/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.1	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		209	umho/cm			IN7125

**7766-95**

Collected: 11/6/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.1	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		208	umho/cm			IN7125

**7767-95**

Collected: 11/6/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.1	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		209	umho/cm			IN7125

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**MW84**  
**C404-95**  
**7832-95**

## C-404 Landfill Monitoring 1995

Collected: 11/13/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		49.42	ft			
Dissolved Oxygen		1.28	mg/L			
pH		5.9	Std Unit			
Temperature		60	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			IN7105
<b>PHYSC</b>						
Specific Conductivity (PIP)		209	umho/cm			IN7125
<b>RADS</b>						
Technetium-99		120	pCi/L	14		RL-7100

**7833-95**

Collected: 11/13/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		209	umho/cm			IN7125

**7834-95**

Collected: 11/13/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		209	umho/cm			IN7125

**7835-95**

Collected: 11/13/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		209	umho/cm			IN7125

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**MW85**

**C404-95**

**C-404 Landfill Monitoring 1995**

**5004-95**

Collected: 1/18/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		16.06	ft			
Dissolved Oxygen		7.9	mg/L			
pH		6.7	Std Unit			
Temperature		60	deg F			
<b>METAL</b>						
Cadmium	U	0.002	mg/L			SW846-6010
Chromium	U	0.01	mg/L			SW846-6010
Lead	U	0.004	mg/L			SW846-7421
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
Uranium	U	0.001	mg/L			SA-U-8
<b>METAL-D</b>						
Cadmium	U	0.002	mg/L			SW846-6010
Chromium	U	0.01	mg/L			SW846-6010
Lead	U	0.004	mg/L			SW846-7421
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
<b>PHYSC</b>						
Specific Conductivity (PIP)		490	umho/cm			SA-COND-1
<b>RADS</b>						
Alpha activity	U	1000	pCi/L			R
Beta activity	U	1000	pCi/L			R
Technetium-99		292	pCi/L	33		R-46
<b>VOA</b>						
Trichloroethene	U	0.001	mg/L			EPA-624

**5005-95**

Collected: 1/18/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.7	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		466	umho/cm			SA-COND-1

**5006-95**

Collected: 1/18/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.7	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		454	umho/cm			SA-COND-1



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**MW85**  
**C404-95**  
**5007-95**

**C-404 Landfill Monitoring 1995**

Collected: 1/18/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.7	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		432	umho/cm			SA-COND-1

**5069-95**

Collected: 1/25/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		16.35	ft			
Dissolved Oxygen		89.3	mg/L			
pH		6.6	Std Unit			
Temperature		57	deg F			
<b>METAL</b>						
Cadmium	U	0.002	mg/L			SW846-6010
Chromium	U	0.01	mg/L			SW846-6010
Lead	U	0.004	mg/L			SW846-7421
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
Uranium	U	0.001	mg/L			SA-U-8
<b>METAL-D</b>						
Cadmium	U	0.002	mg/L			SW846-6010
Chromium	U	0.01	mg/L			SW846-6010
Lead	U	0.004	mg/L			SW846-7421
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
<b>PHYSC</b>						
Specific Conductivity (PIP)		338	umho/cm			SA-COND-1
<b>RADS</b>						
Alpha activity	U	1000	pCi/L			R
Beta activity	U	1000	pCi/L			R
Technetium-99		406	pCi/L	37		R-46
<b>VOA</b>						
Trichloroethene	U	0.001	mg/L			SW846-8260

**5070-95**

Collected: 1/25/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		318	umho/cm			SA-COND-1

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## MW85

### C404-95

### C-404 Landfill Monitoring 1995

#### 5071-95

Collected: 1/25/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		313	umho/cm			SA-COND-1

#### 5072-95

Collected: 1/25/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		309	umho/cm			SA-COND-1

#### 5135-95

Collected: 2/8/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		16.95	ft			
Dissolved Oxygen		8.7	mg/L			
pH		6.2	Std Unit			
Temperature		59	deg F			
<b>METAL</b>						
Cadmium	U	0.002	mg/L			SW846-6010
Chromium	U	0.01	mg/L			SW846-6010
Lead	U	0.004	mg/L			SW846-7421
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
Uranium	U	0.001	mg/L			SA-U-8
<b>METAL-D</b>						
Cadmium	U	0.002	mg/L			SW846-6010
Chromium	U	0.01	mg/L			SW846-6010
Lead	U	0.004	mg/L			SW846-7421
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
<b>PHYSC</b>						
Specific Conductivity (PIP)		274	umho/cm			SA-COND-1
<b>RADS</b>						
Alpha activity	U	1000	pCi/L			R
Beta activity	U	1000	pCi/L			R
Technetium-99		364	pCi/L	36		R-46
<b>VOA</b>						
Trichloroethene	U	0.001	mg/L			SW846-8260

**MW85**

**C404-95**

**C-404 Landfill Monitoring 1995**

**5136-95**

Collected: 2/8/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.2	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		248	umho/cm			SA-COND-1

**5137-95**

Collected: 2/8/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.2	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		247	umho/cm			SA-COND-1

**5138-95**

Collected: 2/8/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.2	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		246	umho/cm			SA-COND-1

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## MW85

### C404-95

### C-404 Landfill Monitoring 1995

#### 5200-95

Collected: 2/15/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		16.43	ft			
Dissolved Oxygen		9.47	mg/L			
pH		6.4	Std Unit			
Temperature		57	deg F			
<b>METAL</b>						
Cadmium	U	0.002	mg/L			SW846-6010
Chromium	U	0.01	mg/L			SW846-6010
Lead	U	0.004	mg/L			SW846-7421
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
Uranium	U	0.001	mg/L			SA-U-8
<b>METAL-D</b>						
Cadmium	U	0.002	mg/L			SW846-6010
Chromium	U	0.01	mg/L			SW846-6010
Lead	U	0.004	mg/L			SW846-7421
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
<b>PHYSC</b>						
Specific Conductivity (PIP)		261	umho/cm			SA-COND-1
<b>RADS</b>						
Alpha activity	U	1000	pCi/L			R
Beta activity	U	1000	pCi/L			R
Technetium-99		338	pCi/L	34		R-46
<b>VOA</b>						
Trichloroethene	U	0.001	mg/L			SW846-8260

#### 5201-95

Collected: 2/15/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.4	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		241	umho/cm			SA-COND-1

#### 5202-95

Collected: 2/15/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.4	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		244	umho/cm			SA-COND-1

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**MW85**  
**C404-95**  
**5203-95**

## C-404 Landfill Monitoring 1995

Collected: 2/15/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.4	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		253	umho/cm			SA-COND-1

**5710-95**

Collected: 4/19/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		15.1	ft			
Dissolved Oxygen		8.55	mg/L			
pH		6.4	Std Unit			
Temperature		63	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			SA-U-8
<b>PHYSC</b>						
Specific Conductivity (PIP)		434	umho/cm			SA-COND-1
<b>RADS</b>						
Technetium-99		334	pCi/L	33		R-46

**5711-95**

Collected: 4/19/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.4	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		410	umho/cm			SA-COND-1

**5712-95**

Collected: 4/19/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.4	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		379	umho/cm			SA-COND-1

**5713-95**

Collected: 4/19/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.4	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		391	umho/cm			SA-COND-1

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**MW85**  
**C404-95**  
**5772-95**

**C-404 Landfill Monitoring 1995**

Collected: 4/26/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		15.7	ft			
Dissolved Oxygen		8.44	mg/L			
pH		6.2	Std Unit			
Temperature		60	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			SA-U-8
<b>PHYSC</b>						
Specific Conductivity (PIP)		318	umho/cm			SA-COND-1
<b>RADS</b>						
Technetium-99		340	pCi/L	32		R-46

**5773-95**

Collected: 4/26/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.2	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		305	umho/cm			SA-COND-1

**5774-95**

Collected: 4/26/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.2	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		300	umho/cm			SA-COND-1

**5775-95**

Collected: 4/26/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.2	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		299	umho/cm			SA-COND-1

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**MW85**  
**C404-95**  
**5837-95**

**C-404 Landfill Monitoring 1995**

Collected: 5/3/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		15.79	ft			
Dissolved Oxygen		9.46	mg/L			
pH		5.9	Std Unit			
Temperature		60	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			SA-U-8
<b>PHYSC</b>						
Specific Conductivity (PIP)		318	umho/cm			SA-COND-1
<b>RADS</b>						
Technetium-99		306	pCi/L	32		R-46

**5838-95**

Collected: 5/3/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		297	umho/cm			SA-COND-1

**5839-95**

Collected: 5/3/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		295	umho/cm			SA-COND-1

**5840-95**

Collected: 5/3/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		295	umho/cm			SA-COND-1

**MW85**  
**C404-95**  
**5902-95**

**C-404 Landfill Monitoring 1995**

Collected: 5/8/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		15.44	ft			
Dissolved Oxygen		9.14	mg/L			
pH		5.8	Std Unit			
Temperature		61	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			SA-U-8
<b>PHYSC</b>						
Specific Conductivity (PIP)		289	umho/cm			SA-COND-1
<b>RADS</b>						
Technetium-99		337	pCi/L	33		R-46

**5903-95**

Collected: 5/8/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.8	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		282	umho/cm			SA-COND-1

**5904-95**

Collected: 5/8/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.8	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		275	umho/cm			SA-COND-1

**5905-95**

Collected: 5/8/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.8	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		270	umho/cm			SA-COND-1



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## MW85

### C404-95

### C-404 Landfill Monitoring 1995

#### 6798-95

Collected: 7/20/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		17.45	ft			
Dissolved Oxygen		8.18	mg/L			
pH		6.5	Std Unit			
Temperature		61	deg F			
<b>METAL</b>						
Cadmium	U	0.01	mg/L			SW846-6010
Chromium	U	0.05	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
Uranium	U	0.001	mg/L			IN7105
<b>PHYSC</b>						
Specific Conductivity (PIP)		429	umho/cm			IN7125
<b>RADS</b>						
Technetium-99		331	pCi/L	19		R-46
<b>VOA</b>						
Trichloroethene	U	0.001	mg/L			SW846-8260

#### 6799-95

Collected: 7/20/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.5	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		423	umho/cm			IN7125

#### 6800-95

Collected: 7/20/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.5	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		418	umho/cm			IN7125

#### 6801-95

Collected: 7/20/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.5	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		404	umho/cm			IN7125

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## MW85

### C404-95

### C-404 Landfill Monitoring 1995

#### 6867-95

Collected: 7/26/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		15.31	ft			
Dissolved Oxygen		8.6	mg/L			
pH		6.2	Std Unit			
Temperature		61	deg F			
<b>METAL</b>						
Cadmium	U	0.01	mg/L			SW846-6010
Chromium	U	0.05	mg/L			SW846-6010
Mercury	U	0.002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
Uranium	U	0.001	mg/L			IN7105
<b>PHYSC</b>						
Specific Conductivity (PIP)		308	umho/cm			IN7125
<b>RADS</b>						
Technetium-99		340	pCi/L	20		R-46
<b>VOA</b>						
Trichloroethene	U	0.001	mg/L			SW846-8260

#### 6868-95

Collected: 7/26/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.2	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		304	umho/cm			IN7125

#### 6869-95

Collected: 7/26/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.2	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		302	umho/cm			IN7125

#### 6870-95

Collected: 7/26/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.2	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		301	umho/cm			IN7125

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**MW85**  
**C404-95**  
**6936-95**

**C-404 Landfill Monitoring 1995**

Collected: 8/8/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		15.42	ft			
Dissolved Oxygen		9.13	mg/L			
pH		6.1	Std Unit			
Temperature		61	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			IN7105
<b>PHYSC</b>						
Specific Conductivity (PIP)		341	umho/cm			IN7125
<b>RADS</b>						
Technetium-99		355	pCi/L	20		R-46

**6937-95**

Collected: 8/8/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.1	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		344	umho/cm			IN7125

**6938-95**

Collected: 8/8/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.1	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		341	umho/cm			IN7125

**6939-95**

Collected: 8/8/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.1	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		335	umho/cm			IN7125

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## MW85

### C404-95

### C-404 Landfill Monitoring 1995

#### 7005-95

Collected: 8/16/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		15.38	ft			
Dissolved Oxygen		8.53	mg/L			
pH		6	Std Unit			
Temperature		62	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			IN7105
<b>PHYSC</b>						
Specific Conductivity (PIP)		278	umho/cm			IN7125
<b>RADS</b>						
Technetium-99		335	pCi/L	19		R-46

#### 7006-95

Collected: 8/16/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		286	umho/cm			IN7125

#### 7007-95

Collected: 8/16/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		292	umho/cm			IN7125

#### 7008-95

Collected: 8/16/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		298	umho/cm			IN7125

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**MW85**

**C404-95**

**C-404 Landfill Monitoring 1995**

**7633-95**

Collected: 10/24/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		15.55	ft			
Dissolved Oxygen		8.23	mg/L			
pH		6	Std Unit			
Temperature		61	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			IN7105
<b>PHYSC</b>						
Specific Conductivity (PIP)		255	umho/cm			IN7125
<b>RADS</b>						
Technetium-99		368	pCi/L	20		RL-7100

**7634-95**

Collected: 10/24/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		260	umho/cm			IN7125

**7635-95**

Collected: 10/24/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		267	umho/cm			IN7125

**7636-95**

Collected: 10/24/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		279	umho/cm			IN7125

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## MW85

### C404-95

## C-404 Landfill Monitoring 1995

### 7700-95

Collected: 10/31/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		15.5	ft			
Dissolved Oxygen		9.34	mg/L			
pH		6.2	Std Unit			
Temperature		61	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			IN7105
<b>PHYSC</b>						
Specific Conductivity (PIP)		403	umho/cm			IN7125
<b>RADS</b>						
Technetium-99		292	pCi/L	18		RL-7100

### 7701-95

Collected: 10/31/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.2	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		403	umho/cm			IN7125

### 7702-95

Collected: 10/31/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.2	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		399	umho/cm			IN7125

### 7703-95

Collected: 10/31/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.2	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		396	umho/cm			IN7125

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**MW85**  
**C404-95**  
**7768-95**

**C-404 Landfill Monitoring 1995**

Collected: 11/6/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		15.61	ft			
Dissolved Oxygen		8.69	mg/L			
pH		6.2	Std Unit			
Temperature		60	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			IN7105
<b>PHYSC</b>						
Specific Conductivity (PIP)		292	umho/cm			IN7125
<b>RADS</b>						
Technetium-99		320	pCi/L	18		RL-7100

**7769-95**

Collected: 11/6/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.2	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		289	umho/cm			IN7125

**7770-95**

Collected: 11/6/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.2	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		289	umho/cm			IN7125

**7771-95**

Collected: 11/6/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.2	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		290	umho/cm			IN7125

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**MW85**  
**C404-95**  
**7836-95**

**C-404 Landfill Monitoring 1995**

Collected: 11/14/1995      Media Type: WG      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		15.61	ft			
Dissolved Oxygen		8.62	mg/L			
pH		5.8	Std Unit			
Temperature		60	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			IN7105
<b>PHYSC</b>						
Specific Conductivity (PIP)		283	umho/cm			IN7125
<b>RADS</b>						
Technetium-99		340	pCi/L	19		RL-7100

**7837-95**

Collected: 11/14/1995      Media Type: WG      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.8	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		287	umho/cm			IN7125

**7838-95**

Collected: 11/14/1995      Media Type: WG      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.8	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		291	umho/cm			IN7125

**7839-95**

Collected: 11/14/1995      Media Type: WG      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.8	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		295	umho/cm			IN7125



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**MW86**  
**C404-95**  
**5008-95**

## C-404 Landfill Monitoring 1995

Collected: 1/18/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		50.23	ft			
Dissolved Oxygen		1.9	mg/L			
pH		6.1	Std Unit			
Temperature		60	deg F			
<b>METAL</b>						
Cadmium	U	0.002	mg/L			SW846-6010
Chromium	U	0.01	mg/L			SW846-6010
Lead	U	0.004	mg/L			SW846-7421
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
Uranium	U	0.001	mg/L			SA-U-8
<b>METAL-D</b>						
Cadmium	U	0.002	mg/L			SW846-6010
Chromium	U	0.01	mg/L			SW846-6010
Lead	U	0.004	mg/L			SW846-7421
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
<b>PHYSC</b>						
Specific Conductivity (PIP)		219	umho/cm			SA-COND-1
<b>RADS</b>						
Alpha activity	U	1000	pCi/L			R
Beta activity	U	1000	pCi/L			R
Technetium-99		0	pCi/L	13		R-46
<b>VOA</b>						
Trichloroethene	U	0.001	mg/L			EPA-624

**5009-95**

Collected: 1/18/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.1	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		220	umho/cm			SA-COND-1

**5010-95**

Collected: 1/18/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.1	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		220	umho/cm			SA-COND-1

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**MW86**

**C404-95**

**C-404 Landfill Monitoring 1995**

**5011-95**

Collected: 1/18/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.1	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		220	umho/cm			SA-COND-1

**5073-95**

Collected: 1/25/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		50.65	ft			
Dissolved Oxygen		7.1	mg/L			
pH		6.1	Std Unit			
Temperature		59	deg F			
<b>METAL</b>						
Cadmium	U	0.002	mg/L			SW846-6010
Chromium	U	0.01	mg/L			SW846-6010
Lead	U	0.004	mg/L			SW846-7421
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
Uranium	U	0.001	mg/L			SA-U-8
<b>METAL-D</b>						
Cadmium	U	0.002	mg/L			SW846-6010
Chromium	U	0.01	mg/L			SW846-6010
Lead	U	0.004	mg/L			SW846-7421
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
<b>PHYSC</b>						
Specific Conductivity (PIP)		218	umho/cm			SA-COND-1
<b>RADS</b>						
Alpha activity	U	1000	pCi/L			R
Beta activity	U	1000	pCi/L			R
Technetium-99		29	pCi/L	20		R-46
<b>VOA</b>						
Trichloroethene	U	0.001	mg/L			SW846-8260

**5074-95**

Collected: 1/25/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.1	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		219	umho/cm			SA-COND-1

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**MW86**

**C404-95**

**C-404 Landfill Monitoring 1995**

**5075-95**

Collected: 1/25/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.1	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		218	umho/cm			SA-COND-1

**5076-95**

Collected: 1/25/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.1	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		218	umho/cm			SA-COND-1

**5139-95**

Collected: 2/7/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		50.02	ft			
Dissolved Oxygen		0.77	mg/L			
pH		6	Std Unit			
Temperature		59	deg F			
<b>METAL</b>						
Cadmium	U	0.002	mg/L			SW846-6010
Chromium	U	0.01	mg/L			SW846-6010
Lead	U	0.004	mg/L			SW846-7421
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
Uranium	U	0.001	mg/L			SA-U-8
<b>METAL-D</b>						
Cadmium	U	0.002	mg/L			SW846-6010
Chromium	U	0.01	mg/L			SW846-6010
Lead	U	0.004	mg/L			SW846-7421
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
<b>PHYSC</b>						
Specific Conductivity (PIP)		219	umho/cm			SA-COND-1
<b>RADS</b>						
Technetium-99		0	pCi/L	0		R-46
<b>VOA</b>						
Trichloroethene	U	0.001	mg/L			SW846-8260

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**MW86**  
**C404-95**  
**5140-95**

## C-404 Landfill Monitoring 1995

Collected: 2/7/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		219	umho/cm			SA-COND-1

**5141-95**

Collected: 2/7/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		219	umho/cm			SA-COND-1

**5142-95**

Collected: 2/7/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		220	umho/cm			SA-COND-1

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**MW86**  
**C404-95**  
**5204-95**

**C-404 Landfill Monitoring 1995**

Collected: 2/15/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		49.55	ft			
Dissolved Oxygen		0.8	mg/L			
pH		6	Std Unit			
Temperature		59	deg F			
<b>METAL</b>						
Cadmium	U	0.002	mg/L			SW846-6010
Chromium	U	0.01	mg/L			SW846-6010
Lead	U	0.004	mg/L			SW846-7421
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
Uranium		0.002	mg/L			SA-U-8
<b>METAL-D</b>						
Cadmium	U	0.002	mg/L			SW846-6010
Chromium	U	0.01	mg/L			SW846-6010
Lead	U	0.004	mg/L			SW846-7421
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
Uranium	U	0.001	mg/L			SA-U-8
<b>PHYSC</b>						
Specific Conductivity (PIP)		221	umho/cm			SA-COND-1
<b>RADS</b>						
Alpha activity	U	1000	pCi/L			R
Beta activity	U	1000	pCi/L			R
Technetium-99		15	pCi/L	22		R-46
<b>VOA</b>						
Trichloroethene	U	0.001	mg/L			SW846-8260

**5205-95**

Collected: 2/15/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		221	umho/cm			SA-COND-1

**5206-95**

Collected: 2/15/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		221	umho/cm			SA-COND-1

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**MW86**  
**C404-95**  
**5207-95**

## C-404 Landfill Monitoring 1995

Collected: 2/15/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		221	umho/cm			SA-COND-1

**5714-95**

Collected: 4/17/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		47.8	ft			
Dissolved Oxygen		0.36	mg/L			
pH		6	Std Unit			
Temperature		61	deg F			
<b>METAL</b>						
Uranium		0.001	mg/L			SA-U-8
<b>METAL-D</b>						
Uranium	U	0.001	mg/L			SA-U-8
<b>PHYSC</b>						
Specific Conductivity (PIP)		221	umho/cm			SA-COND-1
<b>RADS</b>						
Technetium-99		4	pCi/L	91		R-46

**5715-95**

Collected: 4/17/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		221	umho/cm			SA-COND-1

**5716-95**

Collected: 4/17/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		221	umho/cm			SA-COND-1

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**MW86**  
**C404-95**  
**5717-95**

## C-404 Landfill Monitoring 1995

Collected: 4/17/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		221	umho/cm			SA-COND-1

**5776-95**

Collected: 4/25/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		48.02	ft			
Dissolved Oxygen		2.41	mg/L			
pH		5.8	Std Unit			
Temperature		60	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			SA-U-8
<b>PHYSC</b>						
Specific Conductivity (PIP)		221	umho/cm			SA-COND-1
<b>RADS</b>						
Technetium-99		15	pCi/L	24		R-46

**5777-95**

Collected: 4/25/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.8	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		222	umho/cm			SA-COND-1

**5778-95**

Collected: 4/25/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.8	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		220	umho/cm			SA-COND-1

**5779-95**

Collected: 4/25/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.8	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		221	umho/cm			SA-COND-1

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**MW86**  
**C404-95**  
**5841-95**

**C-404 Landfill Monitoring 1995**

Collected: 5/3/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		47.92	ft			
Dissolved Oxygen		1.64	mg/L			
pH		5.8	Std Unit			
Temperature		60	deg F			
<b>METAL</b>						
Uranium	B	0.001	mg/L			SA-U-8
<b>METAL-D</b>						
Uranium	U	0.001	mg/L			SA-U-8
<b>PHYSC</b>						
Specific Conductivity (PIP)		222	umho/cm			SA-COND-1
<b>RADS</b>						
Technetium-99		0	pCi/L	0		R-46

**5842-95**

Collected: 5/3/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.8	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		223	umho/cm			SA-COND-1

**5843-95**

Collected: 5/3/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.8	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		222	umho/cm			SA-COND-1

**5844-95**

Collected: 5/3/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.8	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		222	umho/cm			SA-COND-1



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**MW86**  
**C404-95**  
**5906-95**

## C-404 Landfill Monitoring 1995

Collected: 5/8/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		47.6	ft			
Dissolved Oxygen		0.7	mg/L			
pH		5.8	Std Unit			
Temperature		61	deg F			
<b>METAL</b>						
Uranium		0.001	mg/L			SA-U-8
<b>METAL-D</b>						
Uranium	U	0.001	mg/L			SA-U-8
<b>PHYSC</b>						
Specific Conductivity (PIP)		220	umho/cm			SA-COND-1
<b>RADS</b>						
Technetium-99		11	pCi/L	18		R-46

**5907-95**

Collected: 5/8/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.8	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		221	umho/cm			SA-COND-1

**5908-95**

Collected: 5/8/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.8	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		220	umho/cm			SA-COND-1

**5909-95**

Collected: 5/8/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.8	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		221	umho/cm			SA-COND-1

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**MW86**

**C404-95**

## C-404 Landfill Monitoring 1995

**6802-95**

Collected: 7/20/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		45.08	ft			
Dissolved Oxygen		2.62	mg/L			
pH		6	Std Unit			
Temperature		61	deg F			
<b>METAL</b>						
Cadmium	U	0.01	mg/L			SW846-6010
Chromium	U	0.05	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
Uranium	U	0.001	mg/L			IN7105
<b>PHYSC</b>						
Specific Conductivity (PIP)		222	umho/cm			IN7125
<b>RADS</b>						
Technetium-99		0	pCi/L	0		R-46
<b>VOA</b>						
Trichloroethene	U	0.001	mg/L			SW846-8260

**6803-95**

Collected: 7/20/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		221	umho/cm			IN7125

**6804-95**

Collected: 7/20/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		221	umho/cm			IN7125

**6805-95**

Collected: 7/20/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		221	umho/cm			IN7125

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**MW86**  
**C404-95**  
**6871-95**

## C-404 Landfill Monitoring 1995

Collected: 7/26/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		45.12	ft			
Dissolved Oxygen		0.88	mg/L			
pH		6.1	Std Unit			
Temperature		61	deg F			
<b>METAL</b>						
Cadmium	U	0.01	mg/L			SW846-6010
Chromium	U	0.05	mg/L			SW846-6010
Mercury	U	0.002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
Uranium		0.001	mg/L			IN7105
<b>PHYSC</b>						
Specific Conductivity (PIP)		220	umho/cm			IN7125
<b>RADS</b>						
Technetium-99		9	pCi/L	11		R-46
<b>VOA</b>						
Trichloroethene	U	0.001	mg/L			SW846-8260

**6872-95**

Collected: 7/26/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.1	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		221	umho/cm			IN7125

**6873-95**

Collected: 7/26/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.1	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		221	umho/cm			IN7125

**6874-95**

Collected: 7/26/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.1	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		221	umho/cm			IN7125

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**MW86**  
**C404-95**  
**6940-95**

## C-404 Landfill Monitoring 1995

Collected: 8/8/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		45.53	ft			
Dissolved Oxygen		2.15	mg/L			
pH		6	Std Unit			
Temperature		61	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			IN7105
<b>PHYSC</b>						
Specific Conductivity (PIP)		221	umho/cm			IN7125
<b>RADS</b>						
Technetium-99		9	pCi/L	10		R-46

**6941-95**

Collected: 8/8/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		220	umho/cm			IN7125

**6942-95**

Collected: 8/8/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		221	umho/cm			IN7125

**6943-95**

Collected: 8/8/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		221	umho/cm			IN7125

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**MW86**  
**C404-95**  
**7009-95**

**C-404 Landfill Monitoring 1995**

Collected: 8/16/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		45.64	ft			
Dissolved Oxygen		2.11	mg/L			
pH		6.1	Std Unit			
Temperature		61	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			IN7105
<b>PHYSC</b>						
Specific Conductivity (PIP)		223	umho/cm			IN7125
<b>RADS</b>						
Technetium-99		10	pCi/L	10		R-46

**7010-95**

Collected: 8/16/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		225	umho/cm			IN7125

**7011-95**

Collected: 8/16/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.1	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		225	umho/cm			IN7125

**7012-95**

Collected: 8/16/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.1	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		224	umho/cm			IN7125

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**MW86**  
**C404-95**  
**7637-95**

**C-404 Landfill Monitoring 1995**

Collected: 10/24/1995      Media Type: WG      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		48.83	ft			
Dissolved Oxygen		3.18	mg/L			
pH		6.1	Std Unit			
Temperature		60	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			IN7105
<b>PHYSC</b>						
Specific Conductivity (PIP)		219	umho/cm			IN7125
<b>RADS</b>						
Technetium-99		3	pCi/L	10		RL-7100

**7638-95**

Collected: 10/24/1995      Media Type: WG      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.1	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		218	umho/cm			IN7125

**7639-95**

Collected: 10/24/1995      Media Type: WG      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.1	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		219	umho/cm			IN7125

**7640-95**

Collected: 10/24/1995      Media Type: WG      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.1	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		218	umho/cm			IN7125

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**MW86**  
**C404-95**  
**7704-95**

**C-404 Landfill Monitoring 1995**

Collected: 10/30/1995      Media Type: WG      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		48.85	ft			
Dissolved Oxygen		0.68	mg/L			
pH		6.1	Std Unit			
Temperature		60	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			IN7105
<b>PHYSC</b>						
Specific Conductivity (PIP)		219	umho/cm			IN7125
<b>RADS</b>						
Technetium-99		5	pCi/L	10		RL-7100

**7705-95**

Collected: 10/30/1995      Media Type: WG      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.1	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		219	umho/cm			IN7125

**7706-95**

Collected: 10/30/1995      Media Type: WG      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.1	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		219	umho/cm			IN7125

**7707-95**

Collected: 10/30/1995      Media Type: WG      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.1	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		219	umho/cm			IN7125

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**MW86**  
**C404-95**  
**7772-95**

**C-404 Landfill Monitoring 1995**

Collected: 11/6/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		49.29	ft			
Dissolved Oxygen		1.51	mg/L			
pH		6.2	Std Unit			
Temperature		60	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			IN7105
<b>PHYSC</b>						
Specific Conductivity (PIP)		218	umho/cm			IN7125
<b>RADS</b>						
Technetium-99		2	pCi/L	10		RL-7100

**7773-95**

Collected: 11/6/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.2	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		218	umho/cm			IN7125

**7774-95**

Collected: 11/6/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.2	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		218	umho/cm			IN7125

**7775-95**

Collected: 11/6/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.2	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		218	umho/cm			IN7125



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**MW86**  
**C404-95**  
**7840-95**

**C-404 Landfill Monitoring 1995**

Collected: 11/13/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		49.42	ft			
Dissolved Oxygen		0.87	mg/L			
pH		5.9	Std Unit			
Temperature		60	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			IN7105
<b>PHYSC</b>						
Specific Conductivity (PIP)		212	umho/cm			IN7125
<b>RADS</b>						
Technetium-99		8	pCi/L	10		RL-7100

**7841-95**

Collected: 11/13/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		218	umho/cm			IN7125

**7842-95**

Collected: 11/13/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		218	umho/cm			IN7125

**7843-95**

Collected: 11/13/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		217	umho/cm			IN7125

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## MW87

### C404-95

### C-404 Landfill Monitoring 1995

#### 5012-95

Collected: 1/18/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		50.13	ft			
Dissolved Oxygen		2.12	mg/L			
pH		6.2	Std Unit			
Temperature		60	deg F			
<b>METAL</b>						
Cadmium	U	0.002	mg/L			SW846-6010
Chromium	U	0.01	mg/L			SW846-6010
Lead	U	0.004	mg/L			SW846-7421
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
Uranium	U	0.001	mg/L			SA-U-8
<b>METAL-D</b>						
Cadmium	U	0.002	mg/L			SW846-6010
Chromium	U	0.01	mg/L			SW846-6010
Lead	U	0.004	mg/L			SW846-7421
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
<b>PHYSC</b>						
Specific Conductivity (PIP)		229	umho/cm			SA-COND-1
<b>RADS</b>						
Alpha activity	U	1000	pCi/L			R
Beta activity	U	1000	pCi/L			R
Technetium-99		0	pCi/L	1		R-46
<b>VOA</b>						
Trichloroethene	U	0.001	mg/L			EPA-624

#### 5013-95

Collected: 1/18/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.2	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		230	umho/cm			SA-COND-1

#### 5014-95

Collected: 1/18/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.2	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		229	umho/cm			SA-COND-1

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**MW87**

**C404-95**

**C-404 Landfill Monitoring 1995**

**5015-95**

Collected: 1/18/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.2	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		228	umho/cm			SA-COND-1

**5077-95**

Collected: 1/25/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		50.51	ft			
Dissolved Oxygen		28.5	mg/L			
pH		6.3	Std Unit			
Temperature		59	deg F			
<b>METAL</b>						
Cadmium	U	0.002	mg/L			SW846-6010
Chromium	U	0.01	mg/L			SW846-6010
Lead	U	0.004	mg/L			SW846-7421
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
Uranium	U	0.001	mg/L			SA-U-8
<b>METAL-D</b>						
Cadmium	U	0.002	mg/L			SW846-6010
Chromium	U	0.01	mg/L			SW846-6010
Lead	U	0.004	mg/L			SW846-7421
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
<b>PHYSC</b>						
Specific Conductivity (PIP)		231	umho/cm			SA-COND-1
<b>RADS</b>						
Alpha activity	U	1000	pCi/L			R
Beta activity	U	1000	pCi/L			R
Technetium-99		21	pCi/L	20		R-46
<b>VOA</b>						
Trichloroethene	U	0.001	mg/L			SW846-8260

**5078-95**

Collected: 1/25/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.3	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		230	umho/cm			SA-COND-1

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**MW87**

**C404-95**

**C-404 Landfill Monitoring 1995**

**5079-95**

Collected: 1/25/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.3	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		230	umho/cm			SA-COND-1

**5080-95**

Collected: 1/25/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.3	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		231	umho/cm			SA-COND-1

**5143-95**

Collected: 2/7/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		49.92	ft			
Dissolved Oxygen		2.44	mg/L			
pH		6	Std Unit			
Temperature		58	deg F			
<b>METAL</b>						
Cadmium	U	0.002	mg/L			SW846-6010
Chromium	U	0.01	mg/L			SW846-6010
Lead	U	0.004	mg/L			SW846-7421
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
Uranium	U	0.001	mg/L			SA-U-8
<b>METAL-D</b>						
Cadmium	U	0.002	mg/L			SW846-6010
Chromium	U	0.01	mg/L			SW846-6010
Lead	U	0.004	mg/L			SW846-7421
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
<b>PHYSC</b>						
Specific Conductivity (PIP)		231	umho/cm			SA-COND-1
<b>RADS</b>						
Alpha activity	U	1000	pCi/L			R
Beta activity	U	1000	pCi/L			R
Technetium-99		0	pCi/L	14		R-46
<b>VOA</b>						
Trichloroethene	U	0.001	mg/L			SW846-8260

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**MW87**

**C404-95**

## C-404 Landfill Monitoring 1995

**5144-95**

Collected: 2/7/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		231	umho/cm			SA-COND-1

**5145-95**

Collected: 2/7/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		229	umho/cm			SA-COND-1

**5146-95**

Collected: 2/7/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		229	umho/cm			SA-COND-1

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**MW87**

**C404-95**

**C-404 Landfill Monitoring 1995**

**5208-95**

Collected: 2/15/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		49.45	ft			
Dissolved Oxygen		2.11	mg/L			
pH		6.1	Std Unit			
Temperature		59	deg F			
<b>METAL</b>						
Cadmium	U	0.002	mg/L			SW846-6010
Chromium	U	0.01	mg/L			SW846-6010
Lead	U	0.004	mg/L			SW846-7421
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
Uranium	U	0.001	mg/L			SA-U-8
<b>METAL-D</b>						
Cadmium	U	0.002	mg/L			SW846-6010
Chromium	U	0.01	mg/L			SW846-6010
Lead	U	0.004	mg/L			SW846-7421
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
<b>PHYSC</b>						
Specific Conductivity (PIP)		235	umho/cm			SA-COND-1
<b>RADS</b>						
Alpha activity	U	1000	pCi/L			R
Beta activity	U	1000	pCi/L			R
Technetium-99		4	pCi/L	23		R-46
<b>VOA</b>						
Trichloroethene	U	0.001	mg/L			SW846-8260

**5209-95**

Collected: 2/15/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.1	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		232	umho/cm			SA-COND-1

**5210-95**

Collected: 2/15/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.1	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		232	umho/cm			SA-COND-1

**MW87**

**C404-95**

**C-404 Landfill Monitoring 1995**

**5211-95**

Collected: 2/15/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.1	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		231	umho/cm			SA-COND-1

**5718-95**

Collected: 4/17/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		47.85	ft			
Dissolved Oxygen		1.36	mg/L			
pH		6	Std Unit			
Temperature		61	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			SA-U-8
<b>PHYSC</b>						
Specific Conductivity (PIP)		233	umho/cm			SA-COND-1
<b>RADS</b>						
Technetium-99		6	pCi/L	21		R-46

**5719-95**

Collected: 4/17/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		232	umho/cm			SA-COND-1

**5720-95**

Collected: 4/17/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		233	umho/cm			SA-COND-1

**5721-95**

Collected: 4/17/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		231	umho/cm			SA-COND-1

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**MW87**  
**C404-95**  
**5780-95**

**C-404 Landfill Monitoring 1995**

Collected: 4/25/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		48.03	ft			
Dissolved Oxygen		3.12	mg/L			
pH		5.8	Std Unit			
Temperature		60	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			SA-U-8
<b>PHYSC</b>						
Specific Conductivity (PIP)		233	umho/cm			SA-COND-1
<b>RADS</b>						
Technetium-99		10	pCi/L	17		R-46

**5781-95**

Collected: 4/25/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.8	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		231	umho/cm			SA-COND-1

**5782-95**

Collected: 4/25/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.8	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		230	umho/cm			SA-COND-1

**5783-95**

Collected: 4/25/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.8	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		231	umho/cm			SA-COND-1



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**MW87**  
**C404-95**  
**5845-95**

**C-404 Landfill Monitoring 1995**

Collected: 5/3/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		47.87	ft			
Dissolved Oxygen		1.72	mg/L			
pH		5.9	Std Unit			
Temperature		60	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			SA-U-8
<b>PHYSC</b>						
Specific Conductivity (PIP)		234	umho/cm			SA-COND-1
<b>RADS</b>						
Technetium-99		0	pCi/L	12		R-46

**5846-95**

Collected: 5/3/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		233	umho/cm			SA-COND-1

**5847-95**

Collected: 5/3/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		233	umho/cm			SA-COND-1

**5848-95**

Collected: 5/3/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		232	umho/cm			SA-COND-1

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MW87

C404-95

C-404 Landfill Monitoring 1995

5910-95

Collected: 5/10/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		47.5	ft			
Dissolved Oxygen		2.81	mg/L			
pH		6	Std Unit			
Temperature		60	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			SA-U-8
<b>PHYSC</b>						
Specific Conductivity (PIP)		233	umho/cm			SA-COND-1
<b>RADS</b>						
Technetium-99		11	pCi/L	18		R-46

5911-95

Collected: 5/10/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		233	umho/cm			SA-COND-1

5912-95

Collected: 5/10/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		232	umho/cm			SA-COND-1

5913-95

Collected: 5/10/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		240	umho/cm			SA-COND-1

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**MW87**

**C404-95**

**C-404 Landfill Monitoring 1995**

**6806-95**

Collected: 7/20/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		45	ft			
Dissolved Oxygen		3.14	mg/L			
pH		6.1	Std Unit			
Temperature		61	deg F			
<b>METAL</b>						
Cadmium	U	0.01	mg/L			SW846-6010
Chromium	U	0.05	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
Uranium	U	0.001	mg/L			IN7110
<b>PHYSC</b>						
Specific Conductivity (PIP)		238	umho/cm			IN7125
<b>RADS</b>						
Technetium-99		5	pCi/L	10		R-46
<b>VOA</b>						
Trichloroethene	U	0.001	mg/L			SW846-8260

**6807-95**

Collected: 7/20/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.1	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		236	umho/cm			IN7125

**6808-95**

Collected: 7/20/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.1	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		235	umho/cm			IN7125

**6809-95**

Collected: 7/20/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.1	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		238	umho/cm			IN7125

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**MW87**

**C404-95**

**C-404 Landfill Monitoring 1995**

**6875-95**

Collected: 7/26/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		45.07	ft			
Dissolved Oxygen		1.85	mg/L			
pH		6.1	Std Unit			
Temperature		61	deg F			
<b>METAL</b>						
Cadmium	U	0.01	mg/L			SW846-6010
Chromium	U	0.05	mg/L			SW846-6010
Mercury	U	0.002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
Uranium	U	0.001	mg/L			IN7105
<b>PHYSC</b>						
Specific Conductivity (PIP)		233	umho/cm			IN7125
<b>RADS</b>						
Technetium-99		12	pCi/L	11		R-46
<b>VOA</b>						
Trichloroethene	U	0.001	mg/L			SW846-8260

**6876-95**

Collected: 7/26/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.1	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		232	umho/cm			IN7125

**6877-95**

Collected: 7/26/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.1	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		232	umho/cm			IN7125

**6878-95**

Collected: 7/26/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.1	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		232	umho/cm			IN7125

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**MW87**

**C404-95**

**C-404 Landfill Monitoring 1995**

**6944-95**

Collected: 8/8/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		45.48	ft			
Dissolved Oxygen		3.56	mg/L			
pH		5.9	Std Unit			
Temperature		61	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			IN7105
<b>PHYSC</b>						
Specific Conductivity (PIP)		230	umho/cm			IN7125
<b>RADS</b>						
Technetium-99		8	pCi/L	10		R-46

**6945-95**

Collected: 8/8/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		229	umho/cm			IN7125

**6946-95**

Collected: 8/8/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		230	umho/cm			IN7125

**6947-95**

Collected: 8/8/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		230	umho/cm			IN7125

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**MW87**

**C404-95**

**C-404 Landfill Monitoring 1995**

**7013-95**

Collected: 8/16/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		45.43	ft			
Dissolved Oxygen		4.03	mg/L			
pH		6.1	Std Unit			
Temperature		16.1	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			IN7105
<b>PHYSC</b>						
Specific Conductivity (PIP)		228	umho/cm			IN7125
<b>RADS</b>						
Technetium-99		17	pCi/L	10		R-46

**7014-95**

Collected: 8/16/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.1	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		230	umho/cm			IN7125

**7015-95**

Collected: 8/16/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.1	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		229	umho/cm			IN7125

**7016-95**

Collected: 8/16/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.1	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		233	umho/cm			IN7125

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## MW87

### C404-95

### C-404 Landfill Monitoring 1995

#### 7641-95

Collected: 10/24/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		48.76	ft			
Dissolved Oxygen		3.19	mg/L			
pH		6	Std Unit			
Temperature		60	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			IN7105
<b>PHYSC</b>						
Specific Conductivity (PIP)		225	umho/cm			IN7125
<b>RADS</b>						
Technetium-99		4	pCi/L	10		RL-7100

#### 7642-95

Collected: 10/24/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		226	umho/cm			IN7125

#### 7643-95

Collected: 10/24/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		225	umho/cm			IN7125

#### 7644-95

Collected: 10/24/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		225	umho/cm			IN7125

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**MW87**

**C404-95**

**C-404 Landfill Monitoring 1995**

**7708-95**

Collected: 10/31/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		49.07	ft			
Dissolved Oxygen		2.77	mg/L			
pH		6	Std Unit			
Temperature		60	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			IN7105
<b>PHYSC</b>						
Specific Conductivity (PIP)		224	umho/cm			IN7125
<b>RADS</b>						
Technetium-99		0	pCi/L	0		RL-7100

**7709-95**

Collected: 10/31/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		223	umho/cm			IN7125

**7710-95**

Collected: 10/31/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		224	umho/cm			IN7125

**7711-95**

Collected: 10/31/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		225	umho/cm			IN7125



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**MW87**  
**C404-95**  
**7776-95**

**C-404 Landfill Monitoring 1995**

Collected: 11/6/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		49.21	ft			
Dissolved Oxygen		1.9	mg/L			
pH		6.1	Std Unit			
Temperature		59	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			IN7105
<b>PHYSC</b>						
Specific Conductivity (PIP)		224	umho/cm			IN7125
<b>RADS</b>						
Technetium-99		4	pCi/L	10		RL-7100

**7777-95**

Collected: 11/6/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.1	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		224	umho/cm			IN7125

**7778-95**

Collected: 11/6/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.1	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		223	umho/cm			IN7125

**7779-95**

Collected: 11/6/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.1	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		223	umho/cm			IN7125

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**MW87**

**C404-95**

**C-404 Landfill Monitoring 1995**

**7844-95**

Collected: 11/13/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		49.34	ft			
Dissolved Oxygen		2.93	mg/L			
pH		5.9	Std Unit			
Temperature		60	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			IN7105
<b>PHYSC</b>						
Specific Conductivity (PIP)		223	umho/cm			IN7125
<b>RADS</b>						
Technetium-99		9	pCi/L	10		RL-7100

**7845-95**

Collected: 11/13/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		223	umho/cm			IN7125

**7846-95**

Collected: 11/13/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		224	umho/cm			IN7125

**7847-95**

Collected: 11/13/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		224	umho/cm			IN7125

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**MW88**  
**C404-95**  
**5381-95**

## C-404 Landfill Monitoring 1995

Collected: 1/18/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		15.41	ft			
Dissolved Oxygen		2.83	mg/L			
pH		6	Std Unit			
Temperature		60	deg F			
<b>METAL</b>						
Arsenic		0.0079	mg/L			SW846-7060
Cadmium	U	0.002	mg/L			SW846-6010
Chromium	U	0.01	mg/L			SW846-6010
Lead	U	0.004	mg/L			SW846-7421
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
Uranium	U	0.001	mg/L			SA-U-8
<b>METAL-D</b>						
Arsenic		0.0081	mg/L			SW846-7060
Cadmium	U	0.002	mg/L			SW846-6010
Chromium	U	0.01	mg/L			SW846-6010
Lead	U	0.004	mg/L			SW846-7421
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
<b>PHYSC</b>						
Specific Conductivity (PIP)		583	umho/cm			SA-COND-1
<b>RADS</b>						
Alpha activity	U	1000	pCi/L			R
Beta activity	U	1000	pCi/L			R
Technetium-99		524	pCi/L	40		R-46
<b>VOA</b>						
Trichloroethene		1.1	mg/L			EPA-624

**5382-95**

Collected: 1/18/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		584	umho/cm			SA-COND-1

**5383-95**

Collected: 1/18/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		584	umho/cm			SA-COND-1

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**MW88**

**C404-95**

**C-404 Landfill Monitoring 1995**

**5384-95**

Collected: 1/18/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		591	umho/cm			SA-COND-1

**5385-95**

Collected: 1/24/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		15.76	ft			
Dissolved Oxygen		3.21	mg/L			
pH		5.9	Std Unit			
Temperature		60	deg F			
<b>METAL</b>						
Arsenic		0.0082	mg/L			SW846-7060
Cadmium	U	0.002	mg/L			SW846-6010
Chromium	U	0.01	mg/L			SW846-6010
Lead	U	0.004	mg/L			SW846-7421
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
Uranium	U	0.001	mg/L			SA-U-8
<b>METAL-D</b>						
Arsenic		0.0079	mg/L			SW846-7060
Cadmium	U	0.002	mg/L			SW846-6010
Chromium	U	0.01	mg/L			SW846-6010
Lead	U	0.004	mg/L			SW846-7421
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
<b>PHYSC</b>						
Specific Conductivity (PIP)		591	umho/cm			SA-COND-1
<b>RADS</b>						
Technetium-99	U	553	pCi/L	42		R
<b>VOA</b>						
Trichloroethene		1.2	mg/L			SW846-8260

**5386-95**

Collected: 1/24/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		590	umho/cm			SA-COND-1

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**MW88**

**C404-95**

**C-404 Landfill Monitoring 1995**

**5387-95**

Collected: 1/24/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		589	umho/cm			SA-COND-1

**5388-95**

Collected: 1/24/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		590	umho/cm			SA-COND-1

**5389-95**

Collected: 2/8/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		15.88	ft			
Dissolved Oxygen		2.46	mg/L			
pH		5.9	Std Unit			
Temperature		59	deg F			
<b>METAL</b>						
Arsenic		0.011	mg/L			SW846-7060
Cadmium	U	0.002	mg/L			SW846-6010
Chromium	U	0.01	mg/L			SW846-6010
Lead	U	0.004	mg/L			SW846-7421
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
Uranium	U	0.001	mg/L			SA-U-8
<b>METAL-D</b>						
Arsenic		0.0071	mg/L			SW846-7060
Cadmium	U	0.002	mg/L			SW846-6010
Chromium	U	0.01	mg/L			SW846-6010
Lead	U	0.004	mg/L			SW846-7421
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
<b>PHYSC</b>						
Specific Conductivity (PIP)		601	umho/cm			SA-COND-1
<b>RADS</b>						
Alpha activity	U	1000	pCi/L			R
Beta activity	U	1000	pCi/L			R
Technetium-99		454	pCi/L	37		R-46
<b>VOA</b>						
Trichloroethene		0.88	mg/L			SW846-8260

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**MW88**

**C404-95**

## C-404 Landfill Monitoring 1995

**5390-95**

Collected: 2/8/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		597	umho/cm			SA-COND-1

**5391-95**

Collected: 2/8/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		597	umho/cm			SA-COND-1

**5392-95**

Collected: 2/8/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		597	umho/cm			SA-COND-1

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**MW88**  
**C404-95**  
**5393-95**

**C-404 Landfill Monitoring 1995**

Collected: 2/15/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		15.45	ft			
Dissolved Oxygen		2.48	mg/L			
pH		5.7	Std Unit			
Temperature		60	deg F			
<b>METAL</b>						
Arsenic		0.0072	mg/L			SW846-7060
Cadmium	U	0.002	mg/L			SW846-6010
Chromium	U	0.01	mg/L			SW846-6010
Lead	U	0.004	mg/L			SW846-7421
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
Uranium	U	0.001	mg/L			SA-U-8
<b>METAL-D</b>						
Arsenic		0.0069	mg/L			SW846-7060
Cadmium	U	0.002	mg/L			SW846-6010
Chromium	U	0.01	mg/L			SW846-6010
Lead	U	0.004	mg/L			SW846-7421
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
<b>PHYSC</b>						
Specific Conductivity (PIP)		600	umho/cm			SA-COND-1
<b>RADS</b>						
Alpha activity	U	1000	pCi/L			R
Beta activity	U	1000	pCi/L			R
Technetium-99		478	pCi/L	39		R-46
<b>VOA</b>						
Trichloroethene		0.99	mg/L			SW846-8260

**5394-95**

Collected: 2/15/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.7	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		594	umho/cm			SA-COND-1

**5395-95**

Collected: 2/15/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.7	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		594	umho/cm			SA-COND-1

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**MW88**  
**C404-95**  
**5396-95**

## C-404 Landfill Monitoring 1995

Collected: 2/15/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.7	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		595	umho/cm			SA-COND-1

**6193-95**

Collected: 4/19/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		15.23	ft			
Dissolved Oxygen		2.2	mg/L			
pH		5.6	Std Unit			
Temperature		60	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			SA-U-8
<b>PHYSC</b>						
Specific Conductivity (PIP)		593	umho/cm			SA-COND-1
<b>RADS</b>						
Technetium-99		464	pCi/L	38		R-46

**6194-95**

Collected: 4/19/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		592	umho/cm			SA-COND-1

**6195-95**

Collected: 4/19/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		592	umho/cm			SA-COND-1

**6196-95**

Collected: 4/19/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		591	umho/cm			SA-COND-1



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**MW88**  
**C404-95**  
**6197-95**

**C-404 Landfill Monitoring 1995**

Collected: 4/26/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		15.35	ft			
Dissolved Oxygen		2.3	mg/L			
pH		5.7	Std Unit			
Temperature		60	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			SA-U-8
<b>PHYSC</b>						
Specific Conductivity (PIP)		587	umho/cm			SA-COND-1
<b>RADS</b>						
Technetium-99		410	pCi/L	35		R-46

**6198-95**

Collected: 4/26/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.7	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		585	umho/cm			SA-COND-1

**6199-95**

Collected: 4/26/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.7	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		586	umho/cm			SA-COND-1

**6200-95**

Collected: 4/26/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.7	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		586	umho/cm			SA-COND-1

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**MW88**  
**C404-95**  
**6201-95**

**C-404 Landfill Monitoring 1995**

Collected: 5/3/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		15.38	ft			
Dissolved Oxygen		2.59	mg/L			
pH		5.5	Std Unit			
Temperature		60	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			SA-U-8
<b>PHYSC</b>						
Specific Conductivity (PIP)		587	umho/cm			SA-COND-1
<b>RADS</b>						
Technetium-99		416	pCi/L	36		R-46

**6202-95**

Collected: 5/3/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.5	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		586	umho/cm			SA-COND-1

**6203-95**

Collected: 5/3/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.5	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		585	umho/cm			SA-COND-1

**6204-95**

Collected: 5/3/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.5	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		586	umho/cm			SA-COND-1

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**MW88**  
**C404-95**  
**6205-95**

**C-404 Landfill Monitoring 1995**

Collected: 5/10/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		14.93	ft			
Dissolved Oxygen		1.96	mg/L			
pH		5.6	Std Unit			
Temperature		61	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			SA-U-8
<b>PHYSC</b>						
Specific Conductivity (PIP)		589	umho/cm			SA-COND-1
<b>RADS</b>						
Technetium-99		400	pCi/L	35		R-46

**6206-95**

Collected: 5/10/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		589	umho/cm			SA-COND-1

**6207-95**

Collected: 5/10/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		589	umho/cm			SA-COND-1

**6208-95**

Collected: 5/10/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		590	umho/cm			SA-COND-1

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**MW88**

**C404-95**

**C-404 Landfill Monitoring 1995**

**6810-95**

Collected: 7/19/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		17.75	ft			
Dissolved Oxygen		2.73	mg/L			
pH		5.5	Std Unit			
Temperature		61	deg F			
<b>METAL</b>						
Cadmium	U	0.01	mg/L			SW846-6010
Chromium	U	0.05	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
Uranium	U	0.001	mg/L			IN7110
<b>PHYSC</b>						
Specific Conductivity (PIP)		601	umho/cm			IN7125
<b>RADS</b>						
Technetium-99		387	pCi/L	20		R-46
<b>VOA</b>						
Trichloroethene		1.4	mg/L			SW846-8260

**6811-95**

Collected: 7/19/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.5	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		601	umho/cm			IN7125

**6812-95**

Collected: 7/19/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.5	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		602	umho/cm			IN7125

**6813-95**

Collected: 7/19/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.4	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		601	umho/cm			IN7125

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**MW88**

**C404-95**

## C-404 Landfill Monitoring 1995

**6879-95**

Collected: 7/25/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		15.05	ft			
Dissolved Oxygen		2.18	mg/L			
pH		5.7	Std Unit			
Temperature		61	deg F			
<b>METAL</b>						
Cadmium	U	0.01	mg/L			SW846-6010
Chromium	U	0.05	mg/L			SW846-6010
Mercury	U	0.002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
Uranium	U	0.001	mg/L			IN7105
<b>PHYSC</b>						
Specific Conductivity (PIP)		603	umho/cm			IN7125
<b>RADS</b>						
Technetium-99		398	pCi/L	21		R-46
<b>VOA</b>						
Trichloroethene		0.9	mg/L			SW846-8260

**6880-95**

Collected: 7/25/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.7	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		602	umho/cm			IN7125

**6881-95**

Collected: 7/25/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.7	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		601	umho/cm			IN7125

**6882-95**

Collected: 7/25/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.7	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		602	umho/cm			IN7125

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**MW88**  
**C404-95**  
**6948-95**

## C-404 Landfill Monitoring 1995

Collected: 8/9/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		15.04	ft			
Dissolved Oxygen		3.14	mg/L			
pH		5.8	Std Unit			
Temperature		60	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			IN7105
<b>PHYSC</b>						
Specific Conductivity (PIP)		583	umho/cm			IN7125
<b>RADS</b>						
Technetium-99		402	pCi/L	20		R-46

**6949-95**

Collected: 8/9/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.8	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		590	umho/cm			IN7125

**6950-95**

Collected: 8/9/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.8	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		592	umho/cm			IN7125

**6951-95**

Collected: 8/9/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.8	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		591	umho/cm			IN7125

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**MW88**  
**C404-95**  
**7017-95**

**C-404 Landfill Monitoring 1995**

Collected: 8/15/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		14.96	ft			
Dissolved Oxygen		2.59	mg/L			
pH		5.7	Std Unit			
Temperature		61	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			IN7105
<b>PHYSC</b>						
Specific Conductivity (PIP)		605	umho/cm			IN7125
<b>RADS</b>						
Technetium-99		370	pCi/L	19		R-46

**7018-95**

Collected: 8/15/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.7	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		605	umho/cm			IN7125

**7019-95**

Collected: 8/15/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.7	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		605	umho/cm			IN7125

**7020-95**

Collected: 8/15/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.7	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		603	umho/cm			IN7125

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**MW88**  
**C404-95**  
**7645-95**

**C-404 Landfill Monitoring 1995**

Collected: 10/25/1995      Media Type: WG      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		15.23	ft			
Dissolved Oxygen		3.35	mg/L			
pH		5.6	Std Unit			
Temperature		60	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			IN7105
<b>PHYSC</b>						
Specific Conductivity (PIP)		600	umho/cm			IN7125
<b>RADS</b>						
Technetium-99		402	pCi/L	20		RL-7100

**7646-95**

Collected: 10/25/1995      Media Type: WG      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		600	umho/cm			IN7125

**7647-95**

Collected: 10/25/1995      Media Type: WG      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		600	umho/cm			IN7125

**7648-95**

Collected: 10/25/1995      Media Type: WG      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		601	umho/cm			IN7125



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**MW88**  
**C404-95**  
**7712-95**

**C-404 Landfill Monitoring 1995**

Collected: 11/1/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		15	ft			
Dissolved Oxygen		2.93	mg/L			
pH		5.6	Std Unit			
Temperature		61	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			IN7105
<b>PHYSC</b>						
Specific Conductivity (PIP)		594	umho/cm			IN7105
<b>RADS</b>						
Technetium-99		435	pCi/L	20		RL-7100

**7713-95**

Collected: 11/1/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		593	umho/cm			IN7125

**7714-95**

Collected: 11/1/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		593	umho/cm			IN7125

**7715-95**

Collected: 11/1/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		594	umho/cm			IN7125

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**MW88**  
**C404-95**  
**7780-95**

**C-404 Landfill Monitoring 1995**

Collected: 11/8/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		15.44	ft			
Dissolved Oxygen		2.24	mg/L			
pH		5.7	Std Unit			
Temperature		60	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			IN7105
<b>PHYSC</b>						
Specific Conductivity (PIP)		588	umho/cm			IN7125
<b>RADS</b>						
Technetium-99		447	pCi/L	21		RL-7100

**7781-95**

Collected: 11/8/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.7	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		588	umho/cm			IN7125

**7782-95**

Collected: 11/8/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.7	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		589	umho/cm			IN7125

**7783-95**

Collected: 11/8/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.7	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		590	umho/cm			IN7125

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**MW88**  
**C404-95**  
**7848-95**

**C-404 Landfill Monitoring 1995**

Collected: 11/15/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		15.2	ft			
Dissolved Oxygen		3.07	mg/L			
pH		5.6	Std Unit			
Temperature		60	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			IN7105
<b>PHYSC</b>						
Specific Conductivity (PIP)		592	umho/cm			IN7125
<b>RADS</b>						
Technetium-99		502	pCi/L	22		RL-7100

**7849-95**

Collected: 11/15/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		591	umho/cm			IN7125

**7850-95**

Collected: 11/15/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		591	umho/cm			IN7125

**7851-95**

Collected: 11/15/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		591	umho/cm			IN7125

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**MW89**  
**C404-95**  
**5016-95**

**C-404 Landfill Monitoring 1995**

Collected: 1/17/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		49.91	ft			
Dissolved Oxygen		0.78	mg/L			
pH		6.1	Std Unit			
Temperature		59	deg F			
<b>METAL</b>						
Cadmium	U	0.002	mg/L			SW846-6010
Chromium	U	0.01	mg/L			SW846-6010
Lead	U	0.004	mg/L			SW846-7421
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
Uranium	U	0.001	mg/L			SA-U-8
<b>METAL-D</b>						
Cadmium	U	0.002	mg/L			SW846-6010
Chromium	U	0.01	mg/L			SW846-6010
Lead	U	0.004	mg/L			SW846-7421
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
<b>PHYSC</b>						
Specific Conductivity (PIP)		217	umho/cm			SA-COND-1
<b>RADS</b>						
Alpha activity	U	1000	pCi/L			R
Beta activity	U	1000	pCi/L			R
Technetium-99		0	pCi/L	13		R-46
<b>VOA</b>						
Trichloroethene	U	0.001	mg/L			EPA-624

**5017-95**

Collected: 1/17/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.1	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		217	umho/cm			SA-COND-1

**5018-95**

Collected: 1/17/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.1	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		217	umho/cm			SA-COND-1

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**MW89**

**C404-95**

**C-404 Landfill Monitoring 1995**

**5019-95**

Collected: 1/17/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.1	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		217	umho/cm			SA-COND-1

**5081-95**

Collected: 1/24/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		50.43	ft			
Dissolved Oxygen		0.32	mg/L			
pH		6.1	Std Unit			
Temperature		59	deg F			
<b>METAL</b>						
Cadmium	U	0.002	mg/L			SW846-6010
Chromium	U	0.01	mg/L			SW846-6010
Lead	U	0.004	mg/L			SW846-7421
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
Uranium	U	0.001	mg/L			SA-U-8
<b>METAL-D</b>						
Cadmium	U	0.002	mg/L			SW846-6010
Chromium	U	0.01	mg/L			SW846-6010
Lead	U	0.004	mg/L			SW846-7421
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
<b>PHYSC</b>						
Specific Conductivity (PIP)		217	umho/cm			SA-COND-1
<b>RADS</b>						
Alpha activity	U	1000	pCi/L			R
Beta activity	U	1000	pCi/L			R
Technetium-99		25	pCi/L	20		R-46
<b>VOA</b>						
Trichloroethene	U	0.001	mg/L			SW846-8260

**5082-95**

Collected: 1/24/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.1	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		217	umho/cm			SA-COND-1

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**MW89**

**C404-95**

**C-404 Landfill Monitoring 1995**

**5083-95**

Collected: 1/24/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.1	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		217	umho/cm			SA-COND-1

**5084-95**

Collected: 1/24/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.1	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		218	umho/cm			SA-COND-1

**5147-95**

Collected: 2/8/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		50.05	ft			
Dissolved Oxygen		4.95	mg/L			
pH		6.1	Std Unit			
Temperature		58	deg F			
<b>METAL</b>						
Cadmium	U	0.002	mg/L			SW846-6010
Chromium		0.017	mg/L			SW846-6010
Lead	U	0.004	mg/L			SW846-7421
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
Uranium	U	0.001	mg/L			SA-U-8
<b>METAL-D</b>						
Cadmium	U	0.002	mg/L			SW846-6010
Chromium	U	0.01	mg/L			SW846-6010
Lead	U	0.004	mg/L			SW846-7421
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
<b>PHYSC</b>						
Specific Conductivity (PIP)		217	umho/cm			SA-COND-1
<b>RADS</b>						
Alpha activity	U	1000	pCi/L			R
Beta activity	U	1000	pCi/L			R
Technetium-99		0	pCi/L	0		R-46
<b>VOA</b>						
Trichloroethene	U	0.001	mg/L			SW846-8260

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**MW89**

**C404-95**

## C-404 Landfill Monitoring 1995

**5148-95**

Collected: 2/8/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.1	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		216	umho/cm			SA-COND-1

**5149-95**

Collected: 2/8/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.1	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		216	umho/cm			SA-COND-1

**5150-95**

Collected: 2/8/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.1	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		217	umho/cm			SA-COND-1

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**MW89**  
**C404-95**  
**5212-95**

**C-404 Landfill Monitoring 1995**

Collected: 2/13/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		49.92	ft			
Dissolved Oxygen		0.73	mg/L			
pH		6	Std Unit			
Temperature		58	deg F			
<b>METAL</b>						
Cadmium	U	0.002	mg/L			SW846-6010
Chromium	U	0.01	mg/L			SW846-6010
Lead	U	0.004	mg/L			SW846-7421
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
Uranium	U	0.001	mg/L			SA-U-8
<b>METAL-D</b>						
Cadmium	U	0.002	mg/L			SW846-6010
Chromium	U	0.01	mg/L			SW846-6010
Lead	U	0.004	mg/L			SW846-7421
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
<b>PHYSC</b>						
Specific Conductivity (PIP)		217	umho/cm			SA-COND-1
<b>RADS</b>						
Alpha activity	U	1000	pCi/L			R
Beta activity	U	1000	pCi/L			R
Technetium-99		15	pCi/L	21		R-46
<b>VOA</b>						
Trichloroethene	U	0.001	mg/L			SW846-8260

**5213-95**

Collected: 2/13/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		217	umho/cm			SA-COND-1

**5214-95**

Collected: 2/13/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		217	umho/cm			SA-COND-1



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**MW89**  
**C404-95**  
**5215-95**

## C-404 Landfill Monitoring 1995

Collected: 2/13/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		217	umho/cm			SA-COND-1

**5722-95**

Collected: 4/17/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		47.76	ft			
Dissolved Oxygen		0.58	mg/L			
pH		5.9	Std Unit			
Temperature		61	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			SA-U-8
<b>PHYSC</b>						
Specific Conductivity (PIP)		215	umho/cm			SA-COND-1
<b>RADS</b>						
Technetium-99		12	pCi/L	20		R-46

**5723-95**

Collected: 4/17/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		215	umho/cm			SA-COND-1

**5724-95**

Collected: 4/17/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		214	umho/cm			SA-COND-1

**5725-95**

Collected: 4/17/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		215	umho/cm			SA-COND-1

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**MW89**  
**C404-95**  
**5784-95**

**C-404 Landfill Monitoring 1995**

Collected: 4/25/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		47.71	ft			
Dissolved Oxygen		1	mg/L			
pH		5.8	Std Unit			
Temperature		60	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			SA-U-8
<b>PHYSC</b>						
Specific Conductivity (PIP)		215	umho/cm			SA-COND-1
<b>RADS</b>						
Technetium-99		12	pCi/L	18		R-46

**5785-95**

Collected: 4/25/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.8	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		216	umho/cm			SA-COND-1

**5786-95**

Collected: 4/25/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.8	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		215	umho/cm			SA-COND-1

**5787-95**

Collected: 4/25/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.8	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		216	umho/cm			SA-COND-1

**MW89**  
**C404-95**  
**5849-95**

**C-404 Landfill Monitoring 1995**

Collected: 5/3/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		47.73	ft			
Dissolved Oxygen		0.83	mg/L			
pH		5.8	Std Unit			
Temperature		60	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			SA-U-8
<b>PHYSC</b>						
Specific Conductivity (PIP)		216	umho/cm			SA-COND-1
<b>RADS</b>						
Technetium-99		0	pCi/L	0		R-46

**5850-95**

Collected: 5/3/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.8	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		216	umho/cm			SA-COND-1

**5851-95**

Collected: 5/3/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.8	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		217	umho/cm			SA-COND-1

**5852-95**

Collected: 5/3/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.8	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		217	umho/cm			SA-COND-1

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**MW89**  
**C404-95**  
**5914-95**

**C-404 Landfill Monitoring 1995**

Collected: 5/10/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		47.41	ft			
Dissolved Oxygen		2.1	mg/L			
pH		5.9	Std Unit			
Temperature		61	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			SA-U-8
<b>PHYSC</b>						
Specific Conductivity (PIP)		217	umho/cm			SA-COND-1
<b>RADS</b>						
Technetium-99		7	pCi/L	19		R-46

**5915-95**

Collected: 5/10/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		217	umho/cm			SA-COND-1

**5916-95**

Collected: 5/10/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		216	umho/cm			SA-COND-1

**5917-95**

Collected: 5/10/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		217	umho/cm			SA-COND-1

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**MW89**

**C404-95**

**C-404 Landfill Monitoring 1995**

**6814-95**

Collected: 7/20/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		44.9	ft			
Dissolved Oxygen		2.4	mg/L			
pH		6	Std Unit			
Temperature		61	deg F			
<b>METAL</b>						
Cadmium	U	0.01	mg/L			SW846-6010
Chromium	U	0.05	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
Uranium	U	0.001	mg/L			IN7110
<b>PHYSC</b>						
Specific Conductivity (PIP)		217	umho/cm			IN7125
<b>RADS</b>						
Technetium-99		15	pCi/L	11		R-46
<b>VOA</b>						
Trichloroethene	XU	0.001	mg/L			SW846-8260

**6815-95**

Collected: 7/20/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		217	umho/cm			IN7125

**6816-95**

Collected: 7/20/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		217	umho/cm			IN7125

**6817-95**

Collected: 7/20/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		218	umho/cm			IN7125

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**MW89**

**C404-95**

**C-404 Landfill Monitoring 1995**

**6883-95**

Collected: 7/26/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		44.89	ft			
Dissolved Oxygen		0.87	mg/L			
pH		6	Std Unit			
Temperature		61	deg F			
<b>METAL</b>						
Cadmium	U	0.01	mg/L			SW846-6010
Chromium	U	0.05	mg/L			SW846-6010
Mercury	U	0.002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
Uranium	U	0.001	mg/L			IN7105
<b>PHYSC</b>						
Specific Conductivity (PIP)		219	umho/cm			IN7125
<b>RADS</b>						
Technetium-99		6	pCi/L	11		R-46
<b>VOA</b>						
Trichloroethene	U	0.001	mg/L			SW846-8260

**6884-95**

Collected: 7/26/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		219	umho/cm			IN7125

**6885-95**

Collected: 7/26/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		218	umho/cm			IN7125

**6886-95**

Collected: 7/26/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		218	umho/cm			IN7125

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**MW89**

**C404-95**

**C-404 Landfill Monitoring 1995**

**6952-95**

Collected: 8/9/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		45.18	ft			
Dissolved Oxygen		1.28	mg/L			
pH		6	Std Unit			
Temperature		61	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			IN7105
<b>PHYSC</b>						
Specific Conductivity (PIP)		218	umho/cm			IN7125
<b>RADS</b>						
Technetium-99		10	pCi/L	10		R-46

**6953-95**

Collected: 8/9/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		217	umho/cm			IN7125

**6954-95**

Collected: 8/9/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		217	umho/cm			IN7125

**6955-95**

Collected: 8/9/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		216	umho/cm			IN7125

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**MW89**

**C404-95**

**C-404 Landfill Monitoring 1995**

**7021-95**

Collected: 8/16/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		45.45	ft			
Dissolved Oxygen		2.31	mg/L			
pH		6	Std Unit			
Temperature		62	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			IN7105
<b>PHYSC</b>						
Specific Conductivity (PIP)		220	umho/cm			IN7125
<b>RADS</b>						
Technetium-99		18	pCi/L	10		R-46

**7022-95**

Collected: 8/16/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		221	umho/cm			IN7125

**7023-95**

Collected: 8/16/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		221	umho/cm			IN7125

**7024-95**

Collected: 8/16/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		221	umho/cm			IN7125



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**MW89**

**C404-95**

**C-404 Landfill Monitoring 1995**

**7649-95**

Collected: 10/24/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		48.81	ft			
Dissolved Oxygen		1.03	mg/L			
pH		6	Std Unit			
Temperature		60	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			IN7105
<b>PHYSC</b>						
Specific Conductivity (PIP)		214	umho/cm			IN7125
<b>RADS</b>						
Technetium-99		7	pCi/L	10		RL-7100

**7650-95**

Collected: 10/24/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		214	umho/cm			IN7125

**7651-95**

Collected: 10/24/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		214	umho/cm			IN7125

**7652-95**

Collected: 10/24/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		214	umho/cm			IN7125

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**MW89**  
**C404-95**  
**7716-95**

**C-404 Landfill Monitoring 1995**

Collected: 10/31/1995      Media Type: WG      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		48.84	ft			
Dissolved Oxygen		1.9	mg/L			
pH		5.9	Std Unit			
Temperature		60	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			IN7105
<b>PHYSC</b>						
Specific Conductivity (PIP)		217	umho/cm			IN7125
<b>RADS</b>						
Technetium-99		0	pCi/L	0		RL-7100

**7717-95**

Collected: 10/31/1995      Media Type: WG      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		216	umho/cm			IN7125

**7718-95**

Collected: 10/31/1995      Media Type: WG      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		215	umho/cm			IN7125

**7719-95**

Collected: 10/31/1995      Media Type: WG      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		216	umho/cm			IN7125

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**MW89**

**C404-95**

**C-404 Landfill Monitoring 1995**

**7784-95**

Collected: 11/8/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		49.35	ft			
Dissolved Oxygen		0.75	mg/L			
pH		6	Std Unit			
Temperature		59	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			IN7105
<b>PHYSC</b>						
Specific Conductivity (PIP)		214	umho/cm			IN7125
<b>RADS</b>						
Technetium-99		10	pCi/L	10		RL-7100

**7785-95**

Collected: 11/8/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		214	umho/cm			IN7125

**7786-95**

Collected: 11/8/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		214	umho/cm			IN7125

**7787-95**

Collected: 11/8/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		215	umho/cm			IN7125

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**MW89**  
**C404-95**  
**7852-95**

**C-404 Landfill Monitoring 1995**

Collected: 11/14/1995      Media Type: WG      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		49.54	ft			
Dissolved Oxygen		0.7	mg/L			
pH		5.8	Std Unit			
Temperature		59	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			IN7105
<b>PHYSC</b>						
Specific Conductivity (PIP)		214	umho/cm			IN7125
<b>RADS</b>						
Technetium-99		6	pCi/L	10		RL-7100

**7853-95**

Collected: 11/14/1995      Media Type: WG      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.8	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		215	umho/cm			IN7125

**7854-95**

Collected: 11/14/1995      Media Type: WG      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.8	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		214	umho/cm			IN7125

**7855-95**

Collected: 11/14/1995      Media Type: WG      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.8	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		215	umho/cm			IN7125

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**MW90**

**C404-95**

**C-404 Landfill Monitoring 1995**

**5020-95**

Collected: 1/17/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		48.95	ft			
Dissolved Oxygen		3.35	mg/L			
pH		6.1	Std Unit			
Temperature		60	deg F			
<b>METAL</b>						
Cadmium	U	0.002	mg/L			SW846-6010
Chromium	U	0.01	mg/L			SW846-6010
Lead	U	0.004	mg/L			SW846-7421
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
Uranium	U	0.001	mg/L			SA-U-8
<b>METAL-D</b>						
Cadmium	U	0.002	mg/L			SW846-6010
Chromium	U	0.01	mg/L			SW846-6010
Lead	U	0.004	mg/L			SW846-7421
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
<b>PHYSC</b>						
Specific Conductivity (PIP)		199	umho/cm			SA-COND-1
<b>RADS</b>						
Alpha activity	U	1000	pCi/L			R
Beta activity	U	1000	pCi/L			R
Technetium-99		3	pCi/L	20		R-46
<b>VOA</b>						
Trichloroethene	UX	0.001	mg/L			EPA-624

**5021-95**

Collected: 1/17/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.1	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		199	umho/cm			SA-COND-1

**5022-95**

Collected: 1/17/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.1	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		199	umho/cm			SA-COND-1

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**MW90**

**C404-95**

**C-404 Landfill Monitoring 1995**

**5023-95**

Collected: 1/17/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.1	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		199	umho/cm			SA-COND-1

**5085-95**

Collected: 1/24/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		49.26	ft			
Dissolved Oxygen		3.3	mg/L			
pH		6	Std Unit			
Temperature		60	deg F			
<b>METAL</b>						
Cadmium	U	0.002	mg/L			SW846-6010
Chromium	U	0.01	mg/L			SW846-6010
Lead	U	0.004	mg/L			SW846-7421
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
Uranium	U	0.001	mg/L			SA-U-8
<b>METAL-D</b>						
Cadmium	U	0.002	mg/L			SW846-6010
Chromium	U	0.01	mg/L			SW846-6010
Lead	U	0.004	mg/L			SW846-7421
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
<b>PHYSC</b>						
Specific Conductivity (PIP)		201	umho/cm			SA-COND-1
<b>RADS</b>						
Alpha activity	U	1000	pCi/L			R
Beta activity	U	1000	pCi/L			R
Technetium-99		20	pCi/L	19		R-46
<b>VOA</b>						
Trichloroethene	UX	0.001	mg/L			SW846-8260

**5086-95**

Collected: 1/24/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		200	umho/cm			SA-COND-1

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**MW90**

**C404-95**

**C-404 Landfill Monitoring 1995**

**5087-95**

Collected: 1/24/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		200	umho/cm			SA-COND-1

**5088-95**

Collected: 1/24/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		200	umho/cm			SA-COND-1

**5151-95**

Collected: 2/8/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		49.07	ft			
Dissolved Oxygen		4.65	mg/L			
pH		5.9	Std Unit			
Temperature		58	deg F			
<b>METAL</b>						
Cadmium	U	0.002	mg/L			SW846-6010
Chromium	U	0.01	mg/L			SW846-6010
Lead	U	0.004	mg/L			SW846-7421
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
Uranium	U	0.001	mg/L			SA-U-8
<b>METAL-D</b>						
Cadmium	U	0.002	mg/L			SW846-6010
Chromium	U	0.01	mg/L			SW846-6010
Lead	U	0.004	mg/L			SW846-7421
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
<b>PHYSC</b>						
Specific Conductivity (PIP)		199	umho/cm			SA-COND-1
<b>RADS</b>						
Alpha activity	U	1000	pCi/L			R
Beta activity	U	1000	pCi/L			R
Technetium-99		5	pCi/L	20		R-46
<b>VOA</b>						
Trichloroethene	U	0.001	mg/L			SW846-8260

**MW90**

**C404-95**

**C-404 Landfill Monitoring 1995**

**5152-95**

Collected: 2/8/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		199	umho/cm			SA-COND-1

**5153-95**

Collected: 2/8/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		200	umho/cm			SA-COND-1

**5154-95**

Collected: 2/8/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		200	umho/cm			SA-COND-1



**MW90**  
**C404-95**  
**5216-95**

**C-404 Landfill Monitoring 1995**

Collected: 2/13/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		48.77	ft			
Dissolved Oxygen		2.76	mg/L			
pH		5.9	Std Unit			
Temperature		59	deg F			
<b>METAL</b>						
Cadmium	U	0.002	mg/L			SW846-6010
Chromium	U	0.01	mg/L			SW846-6010
Lead	U	0.004	mg/L			SW846-7421
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
Uranium	U	0.001	mg/L			SA-U-8
<b>METAL-D</b>						
Cadmium	U	0.002	mg/L			SW846-6010
Chromium	U	0.01	mg/L			SW846-6010
Lead	U	0.004	mg/L			SW846-7421
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
<b>PHYSC</b>						
Specific Conductivity (PIP)		201	umho/cm			SA-COND-1
<b>RADS</b>						
Alpha activity	U	1000	pCi/L			R
Beta activity	U	1000	pCi/L			R
Technetium-99		3	pCi/L	23		R-46
<b>VOA</b>						
Trichloroethene	U	0.001	mg/L			SW846-8260

**5217-95**

Collected: 2/13/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		200	umho/cm			SA-COND-1

**5218-95**

Collected: 2/13/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		200	umho/cm			SA-COND-1

**MW90**  
**C404-95**  
**5219-95**

**C-404 Landfill Monitoring 1995**

Collected: 2/13/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		200	umho/cm			SA-COND-1

**5726-95**

Collected: 4/17/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		46.59	ft			
Dissolved Oxygen		2.79	mg/L			
pH		5.8	Std Unit			
Temperature		61	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			SA-U-8
<b>PHYSC</b>						
Specific Conductivity (PIP)		202	umho/cm			SA-COND-1
<b>RADS</b>						
Technetium-99		12	pCi/L	19		R-46

**5727-95**

Collected: 4/17/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.8	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		201	umho/cm			SA-COND-1

**5728-95**

Collected: 4/17/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.8	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		201	umho/cm			SA-COND-1

**5729-95**

Collected: 4/17/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.8	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		203	umho/cm			SA-COND-1

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**MW90**  
**C404-95**  
**5788-95**

**C-404 Landfill Monitoring 1995**

Collected: 4/26/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		46.63	ft			
Dissolved Oxygen		3.27	mg/L			
pH		5.9	Std Unit			
Temperature		60	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			SA-U-8
<b>PHYSC</b>						
Specific Conductivity (PIP)		201	umho/cm			SA-COND-1
<b>RADS</b>						
Technetium-99		14	pCi/L	17		R-46

**5789-95**

Collected: 4/26/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		201	umho/cm			SA-COND-1

**5790-95**

Collected: 4/26/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		201	umho/cm			SA-COND-1

**5791-95**

Collected: 4/26/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		200	umho/cm			SA-COND-1

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**MW90**  
**C404-95**  
**5853-95**

**C-404 Landfill Monitoring 1995**

Collected: 5/3/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		46.59	ft			
Dissolved Oxygen		3.17	mg/L			
pH		5.7	Std Unit			
Temperature		60	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			SA-U-8
<b>PHYSC</b>						
Specific Conductivity (PIP)		201	umho/cm			SA-COND-1
<b>RADS</b>						
Technetium-99		0	pCi/L	0		R-46

**5854-95**

Collected: 5/3/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.7	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		201	umho/cm			SA-COND-1

**5855-95**

Collected: 5/3/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.7	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		200	umho/cm			SA-COND-1

**5856-95**

Collected: 5/3/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.7	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		200	umho/cm			SA-COND-1

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**MW90**  
**C404-95**  
**5918-95**

**C-404 Landfill Monitoring 1995**

Collected: 5/10/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		46.1	ft			
Dissolved Oxygen		3.36	mg/L			
pH		5.8	Std Unit			
Temperature		61	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			SA-U-8
<b>PHYSC</b>						
Specific Conductivity (PIP)		202	umho/cm			SA-COND-1
<b>RADS</b>						
Technetium-99		1	pCi/L	21		R-46

**5919-95**

Collected: 5/10/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.8	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		202	umho/cm			SA-COND-1

**5920-95**

Collected: 5/10/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.8	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		202	umho/cm			SA-COND-1

**5921-95**

Collected: 5/10/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.8	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		203	umho/cm			SA-COND-1

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## MW90

### C404-95

### C-404 Landfill Monitoring 1995

#### 6818-95

Collected: 7/20/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		43.71	ft			
Dissolved Oxygen		4.61	mg/L			
pH		5.9	Std Unit			
Temperature		61	deg F			
<b>METAL</b>						
Cadmium	U	0.01	mg/L			SW846-6010
Chromium	U	0.05	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
Uranium	U	0.001	mg/L			IN7105
<b>PHYSC</b>						
Specific Conductivity (PIP)		202	umho/cm			IN7125
<b>RADS</b>						
Technetium-99		6	pCi/L	10		R-46
<b>VOA</b>						
Trichloroethene	U	0.001	mg/L			SW846-8260

#### 6819-95

Collected: 7/20/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		202	umho/cm			IN7125

#### 6820-95

Collected: 7/20/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		202	umho/cm			IN7125

#### 6821-95

Collected: 7/20/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		201	umho/cm			IN7125

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**MW90**  
**C404-95**  
**6887-95**

**C-404 Landfill Monitoring 1995**

Collected: 7/26/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		43.88	ft			
Dissolved Oxygen		3.38	mg/L			
pH		5.9	Std Unit			
Temperature		61	deg F			
<b>METAL</b>						
Cadmium	U	0.01	mg/L			SW846-6010
Chromium	U	0.05	mg/L			SW846-6010
Mercury	U	0.002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
Uranium	U	0.001	mg/L			IN7105
<b>PHYSC</b>						
Specific Conductivity (PIP)		202	umho/cm			IN7125
<b>RADS</b>						
Technetium-99		17	pCi/L	11		R-46
<b>VOA</b>						
Trichloroethene	UX	0.001	mg/L			SW846-8260

**6888-95**

Collected: 7/26/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		202	umho/cm			IN7125

**6889-95**

Collected: 7/26/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		203	umho/cm			IN7125

**6890-95**

Collected: 7/26/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		202	umho/cm			IN7125

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**MW90**  
**C404-95**  
**6956-95**

**C-404 Landfill Monitoring 1995**

Collected: 8/9/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		44.06	ft			
Dissolved Oxygen		4.27	mg/L			
pH		6	Std Unit			
Temperature		61	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			IN7105
<b>PHYSC</b>						
Specific Conductivity (PIP)		202	umho/cm			IN7125
<b>RADS</b>						
Technetium-99		8	pCi/L	10		R-46

**6957-95**

Collected: 8/9/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		201	umho/cm			IN7125

**6958-95**

Collected: 8/9/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		200	umho/cm			IN7125

**6959-95**

Collected: 8/9/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		200	umho/cm			IN7125



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**MW90**  
**C404-95**  
**7025-95**

## C-404 Landfill Monitoring 1995

Collected: 8/16/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		44.25	ft			
Dissolved Oxygen		4.04	mg/L			
pH		6	Std Unit			
Temperature		61	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			IN7105
<b>PHYSC</b>						
Specific Conductivity (PIP)		203	umho/cm			IN7125
<b>RADS</b>						
Technetium-99		3	pCi/L	9		R-46

**7026-95**

Collected: 8/16/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		202	umho/cm			IN7125

**7027-95**

Collected: 8/16/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		202	umho/cm			IN7125

**7028-95**

Collected: 8/16/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		202	umho/cm			IN7125

**MW90**  
**C404-95**  
**7653-95**

**C-404 Landfill Monitoring 1995**

Collected: 10/25/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		47.69	ft			
Dissolved Oxygen		3.42	mg/L			
pH		5.8	Std Unit			
Temperature		60	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			IN7105
<b>PHYSC</b>						
Specific Conductivity (PIP)		199	umho/cm			IN7125
<b>RADS</b>						
Technetium-99		4	pCi/L	10		RL-7100

**7654-95**

Collected: 10/25/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.8	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		199	umho/cm			IN7125

**7655-95**

Collected: 10/25/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.8	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		199	umho/cm			IN7125

**7656-95**

Collected: 10/25/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.8	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		199	umho/cm			IN7125

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**MW90**  
**C404-95**  
**7720-95**

**C-404 Landfill Monitoring 1995**

Collected: 11/1/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		47.7	ft			
Dissolved Oxygen		3.48	mg/L			
pH		5.8	Std Unit			
Temperature		60	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			IN7105
<b>PHYSC</b>						
Specific Conductivity (PIP)		199	umho/cm			IN7125
<b>RADS</b>						
Technetium-99		2	pCi/L	9		RL-7100

**7721-95**

Collected: 11/1/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.8	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		199	umho/cm			IN7125

**7722-95**

Collected: 11/1/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.8	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		199	umho/cm			IN7125

**7723-95**

Collected: 11/1/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.8	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		199	umho/cm			IN7125

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**MW90**  
**C404-95**  
**7788-95**

**C-404 Landfill Monitoring 1995**

Collected: 11/8/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		48.31	ft			
Dissolved Oxygen		3.13	mg/L			
pH		5.9	Std Unit			
Temperature		60	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			IN7105
<b>PHYSC</b>						
Specific Conductivity (PIP)		197	umho/cm			IN7125
<b>RADS</b>						
Technetium-99		6	pCi/L	10		RL-7100

**7789-95**

Collected: 11/8/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		197	umho/cm			IN7125

**7790-95**

Collected: 11/8/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		197	umho/cm			IN7125

**7791-95**

Collected: 11/8/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		197	umho/cm			IN7125

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**MW90**  
**C404-95**  
**7856-95**

**C-404 Landfill Monitoring 1995**

Collected: 11/14/1995      Media Type: WG      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		48.4	ft			
Dissolved Oxygen		3.54	mg/L			
pH		5.7	Std Unit			
Temperature		60	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			IN7105
<b>PHYSC</b>						
Specific Conductivity (PIP)		199	umho/cm			IN7125
<b>RADS</b>						
Technetium-99		11	pCi/L	10		RL-7100

**7857-95**

Collected: 11/14/1995      Media Type: WG      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.7	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		199	umho/cm			IN7125

**7858-95**

Collected: 11/14/1995      Media Type: WG      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.7	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		199	umho/cm			IN7125

**7859-95**

Collected: 11/14/1995      Media Type: WG      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.7	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		189	umho/cm			IN7125

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## MW91

### C404-95

### C-404 Landfill Monitoring 1995

#### 5024-95

Collected: 1/17/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		11.69	ft			
Dissolved Oxygen		7.94	mg/L			
pH		6.1	Std Unit			
Temperature		61	deg F			
<b>METAL</b>						
Cadmium	U	0.002	mg/L			SW846-6010
Chromium		0.11	mg/L			SW846-6010
Lead	U	0.004	mg/L			SW846-7421
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
Uranium	U	0.001	mg/L			SA-U-8
<b>METAL-D</b>						
Cadmium	U	0.002	mg/L			SW846-6010
Chromium	U	0.01	mg/L			SW846-6010
Lead	U	0.004	mg/L			SW846-7421
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
<b>PHYSC</b>						
Specific Conductivity (PIP)		299	umho/cm			SA-COND-1
<b>RADS</b>						
Alpha activity	U	1000	pCi/L			R
Beta activity	U	1000	pCi/L			R
Technetium-99		29	pCi/L	20		R-46
<b>VOA</b>						
Trichloroethene		0.03	mg/L			EPA-624

#### 5025-95

Collected: 1/17/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.1	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		296	umho/cm			SA-COND-1

#### 5026-95

Collected: 1/17/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.1	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		296	umho/cm			SA-COND-1

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**MW91**

**C404-95**

**C-404 Landfill Monitoring 1995**

**5027-95**

Collected: 1/17/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.1	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		294	umho/cm			SA-COND-1

**5089-95**

Collected: 1/26/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		12.26	ft			
Dissolved Oxygen		10.19	mg/L			
pH		5.9	Std Unit			
Temperature		60	deg F			
<b>METAL</b>						
Cadmium	U	0.002	mg/L			SW846-6010
Chromium		0.04	mg/L			SW846-6010
Lead	U	0.004	mg/L			SW846-7421
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
Uranium	U	0.001	mg/L			SA-U-8
<b>METAL-D</b>						
Cadmium	U	0.002	mg/L			SW846-6010
Chromium	U	0.01	mg/L			SW846-6010
Lead	U	0.004	mg/L			SW846-7421
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
<b>PHYSC</b>						
Specific Conductivity (PIP)		269	umho/cm			SA-COND-1
<b>RADS</b>						
Alpha activity	U	1000	pCi/L			R
Beta activity	U	1000	pCi/L			R
Technetium-99		42	pCi/L	21		R-46
<b>VOA</b>						
Trichloroethene		0.02	mg/L			SW846-8260

**5090-95**

Collected: 1/26/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		268	umho/cm			SA-COND-1

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## MW91

### C404-95

### C-404 Landfill Monitoring 1995

#### 5091-95

Collected: 1/26/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		265	umho/cm			SA-COND-1

#### 5092-95

Collected: 1/26/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		262	umho/cm			SA-COND-1

#### 5155-95

Collected: 2/8/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		12.6	ft			
Dissolved Oxygen		8.28	mg/L			
pH		6	Std Unit			
Temperature		59	deg F			
<b>METAL</b>						
Cadmium	U	0.002	mg/L			SW846-6010
Chromium		0.034	mg/L			SW846-6010
Lead	U	0.004	mg/L			SW846-7421
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
Uranium	U	0.001	mg/L			SA-U-8
<b>METAL-D</b>						
Cadmium	U	0.002	mg/L			SW846-6010
Chromium	U	0.01	mg/L			SW846-6010
Lead	U	0.004	mg/L			SW846-7421
Mercury		0.0004	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
<b>PHYSC</b>						
Specific Conductivity (PIP)		261	umho/cm			SA-COND-1
<b>RADS</b>						
Alpha activity	U	1000	pCi/L			R
Beta activity	U	1000	pCi/L			R
Technetium-99		16	pCi/L	24		R-46
<b>VOA</b>						
Trichloroethene		0.028	mg/L			SW846-8260



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**MW91**

**C404-95**

**C-404 Landfill Monitoring 1995**

**5156-95**

Collected: 2/8/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		266	umho/cm			SA-COND-1

**5157-95**

Collected: 2/8/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		265	umho/cm			SA-COND-1

**5158-95**

Collected: 2/8/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		260	umho/cm			SA-COND-1

**5221-95**

Collected: 2/14/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.1	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		233	umho/cm			SA-COND-1

**5222-95**

Collected: 2/14/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.1	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		233	umho/cm			SA-COND-1

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**MW91**

**C404-95**

## C-404 Landfill Monitoring 1995

**5223-95**

Collected: 2/14/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.1	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		233	umho/cm			SA-COND-1

**5220-95**

Collected: 2/15/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		12.62	ft			
Dissolved Oxygen		8.12	mg/L			
pH		6.1	Std Unit			
Temperature		60	deg F			
<b>METAL</b>						
Cadmium	U	0.002	mg/L			SW846-6010
Chromium	U	0.01	mg/L			SW846-6010
Lead	U	0.004	mg/L			SW846-7421
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
Uranium	U	0.001	mg/L			SA-U-8
<b>METAL-D</b>						
Cadmium	U	0.002	mg/L			SW846-6010
Lead	U	0.004	mg/L			SW846-7421
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
<b>PHYSC</b>						
Specific Conductivity (PIP)		236	umho/cm			SA-COND-1
<b>RADS</b>						
Alpha activity	U	1000	pCi/L			R
Beta activity	U	1000	pCi/L			R
Technetium-99		28	pCi/L	21		R-46
<b>VOA</b>						
Trichloroethene		0.024	mg/L			SW846-8260

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**MW91**

**C404-95**

## C-404 Landfill Monitoring 1995

**5730-95**

Collected: 4/17/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		11.49	ft			
Dissolved Oxygen		6.99	mg/L			
pH		5.7	Std Unit			
Temperature		62	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			SA-U-8
<b>PHYSC</b>						
Specific Conductivity (PIP)		296	umho/cm			SA-COND-1
<b>RADS</b>						
Technetium-99		28	pCi/L	20		R-46

**5731-95**

Collected: 4/17/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.7	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		295	umho/cm			SA-COND-1

**5732-95**

Collected: 4/17/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.7	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		293	umho/cm			SA-COND-1

**5733-95**

Collected: 4/17/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.7	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		290	umho/cm			SA-COND-1

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**MW91**

**C404-95**

**C-404 Landfill Monitoring 1995**

**5792-95**

Collected: 4/26/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		11.98	ft			
Dissolved Oxygen		6.79	mg/L			
pH		5.8	Std Unit			
Temperature		61	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			SA-U-8
<b>PHYSC</b>						
Specific Conductivity (PIP)		255	umho/cm			SA-COND-1
<b>RADS</b>						
Technetium-99		28	pCi/L	18		R-46

**5793-95**

Collected: 4/26/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.8	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		254	umho/cm			SA-COND-1

**5794-95**

Collected: 4/26/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.8	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		255	umho/cm			SA-COND-1

**5795-95**

Collected: 4/26/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.8	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		256	umho/cm			SA-COND-1

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**MW91**

**C404-95**

**C-404 Landfill Monitoring 1995**

**5857-95**

Collected: 5/3/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		12.24	ft			
Dissolved Oxygen		7.95	mg/L			
pH		5.6	Std Unit			
Temperature		60	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			SA-U-8
<b>PHYSC</b>						
Specific Conductivity (PIP)		240	umho/cm			SA-COND-1
<b>RADS</b>						
Technetium-99		9	pCi/L	64		R-46

**5858-95**

Collected: 5/3/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		243	umho/cm			SA-COND-1

**5859-95**

Collected: 5/3/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		244	umho/cm			SA-COND-1

**5860-95**

Collected: 5/3/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		244	umho/cm			SA-COND-1

# Paducah-OREIS Data Report

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**MW91**

**C404-95**

## C-404 Landfill Monitoring 1995

**5922-95**

Collected: 5/10/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		12.25	ft			
Dissolved Oxygen		8.12	mg/L			
pH		5.7	Std Unit			
Temperature		61	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			SA-U-8
<b>PHYSC</b>						
Specific Conductivity (PIP)		238	umho/cm			SA-COND-1
<b>RADS</b>						
Technetium-99		24	pCi/L	21		R-46

**5923-95**

Collected: 5/10/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.7	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		237	umho/cm			SA-COND-1

**5924-95**

Collected: 5/10/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.7	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		237	umho/cm			SA-COND-1

**5925-95**

Collected: 5/10/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.7	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		237	umho/cm			SA-COND-1

# Paducah-OREIS Data Report

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**MW91**

**C404-95**

## C-404 Landfill Monitoring 1995

**6822-95**

Collected: 7/20/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		11.5	ft			
Dissolved Oxygen		6.71	mg/L			
pH		5.9	Std Unit			
Temperature		62	deg F			
<b>METAL</b>						
Cadmium	U	0.01	mg/L			SW846-6010
Chromium	U	0.05	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
Uranium	U	0.001	mg/L			IN7110
<b>PHYSC</b>						
Specific Conductivity (PIP)		352	umho/cm			IN7125
<b>RADS</b>						
Technetium-99		35	pCi/L	11		R-46
<b>VOA</b>						
Trichloroethene		0.037	mg/L			SW846-8260

**6823-95**

Collected: 7/20/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		349	umho/cm			IN7125

**6824-95**

Collected: 7/20/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		349	umho/cm			IN7125

**6825-95**

Collected: 7/20/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		346	umho/cm			IN7125

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## MW91

### C404-95

### C-404 Landfill Monitoring 1995

#### 6891-95

Collected: 7/26/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		11.88	ft			
Dissolved Oxygen		6.98	mg/L			
pH		5.9	Std Unit			
Temperature		62	deg F			
<b>METAL</b>						
Cadmium	U	0.01	mg/L			SW846-6010
Chromium		0.064	mg/L			SW846-6010
Mercury	U	0.002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
Uranium	U	0.001	mg/L			IN7105
<b>METAL-D</b>						
Chromium	U	0.05	mg/L			SW846-6010
<b>PHYSC</b>						
Specific Conductivity (PIP)		266	umho/cm			IN7125
<b>RADS</b>						
Technetium-99		30	pCi/L	12		R-46
<b>VOA</b>						
Trichloroethene		0.023	mg/L			SW846-8260

#### 6892-95

Collected: 7/26/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		264	umho/cm			IN7125

#### 6893-95

Collected: 7/26/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		259	umho/cm			IN7125

#### 6894-95

Collected: 7/26/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		259	umho/cm			IN7125



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**MW91**

**C404-95**

**C-404 Landfill Monitoring 1995**

**6960-95**

Collected: 8/9/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		11.66	ft			
Dissolved Oxygen		8.04	mg/L			
pH		5.9	Std Unit			
Temperature		62	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			IN7105
<b>PHYSC</b>						
Specific Conductivity (PIP)		260	umho/cm			IN7125
<b>RADS</b>						
Technetium-99		28	pCi/L	11		R-46

**6961-95**

Collected: 8/9/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		259	umho/cm			IN7125

**6962-95**

Collected: 8/9/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		259	umho/cm			IN7125

**6963-95**

Collected: 8/9/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		260	umho/cm			IN7125

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**MW91**

**C404-95**

**C-404 Landfill Monitoring 1995**

**7029-95**

Collected: 8/16/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		12.1	ft			
Dissolved Oxygen		7.62	mg/L			
pH		6	Std Unit			
Temperature		62	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			IN7105
<b>PHYSC</b>						
Specific Conductivity (PIP)		251	umho/cm			IN7125
<b>RADS</b>						
Technetium-99		20	pCi/L	10		R-46

**7030-95**

Collected: 8/16/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		251	umho/cm			IN7125

**7031-95**

Collected: 8/16/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		251	umho/cm			IN7125

**7032-95**

Collected: 8/16/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		251	umho/cm			IN7125

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**MW91**

**C404-95**

**C-404 Landfill Monitoring 1995**

**7657-95**

Collected: 10/25/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		11.66	ft			
Dissolved Oxygen		6.38	mg/L			
pH		5.8	Std Unit			
Temperature		61	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			IN7105
<b>PHYSC</b>						
Specific Conductivity (PIP)		316	umho/cm			IN7125
<b>RADS</b>						
Technetium-99		24	pCi/L	11		RL-7100

**7658-95**

Collected: 10/25/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.8	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		314	umho/cm			IN7125

**7659-95**

Collected: 10/25/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.8	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		314	umho/cm			IN7125

**7660-95**

Collected: 10/25/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.8	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		313	umho/cm			IN7125

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**MW91**

**C404-95**

**C-404 Landfill Monitoring 1995**

**7724-95**

Collected: 11/1/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		11.84	ft			
Dissolved Oxygen		7.47	mg/L			
pH		5.8	Std Unit			
Temperature		61	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			IN7105
<b>PHYSC</b>						
Specific Conductivity (PIP)		271	umho/cm			IN7125
<b>RADS</b>						
Technetium-99		23	pCi/L	11		RL-7100

**7725-95**

Collected: 11/1/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.8	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		270	umho/cm			IN7125

**7726-95**

Collected: 11/1/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.8	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		270	umho/cm			IN7125

**7727-95**

Collected: 11/1/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.8	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		271	umho/cm			IN7125

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**MW91**

**C404-95**

**C-404 Landfill Monitoring 1995**

**7792-95**

Collected: 11/8/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		12.45	ft			
Dissolved Oxygen		7.19	mg/L			
pH		5.9	Std Unit			
Temperature		61	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			IN7105
<b>PHYSC</b>						
Specific Conductivity (PIP)		253	umho/cm			IN7125
<b>RADS</b>						
Technetium-99		22	pCi/L	11		RL-7100

**7793-95**

Collected: 11/8/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		253	umho/cm			IN7125

**7794-95**

Collected: 11/8/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		252	umho/cm			IN7125

**7795-95**

Collected: 11/8/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		253	umho/cm			IN7125

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**MW91**

**C404-95**

## C-404 Landfill Monitoring 1995

**7860-95**

Collected: 11/15/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		12.51	ft			
Dissolved Oxygen		7.46	mg/L			
pH		5.7	Std Unit			
Temperature		60	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			IN7105
<b>PHYSC</b>						
Specific Conductivity (PIP)		245	umho/cm			IN7125
<b>RADS</b>						
Technetium-99		21	pCi/L	10		RL-7100

**7861-95**

Collected: 11/15/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.7	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		244	umho/cm			IN7125

**7862-95**

Collected: 11/15/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.7	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		244	umho/cm			IN7125

**7863-95**

Collected: 11/15/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.7	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		244	umho/cm			IN7125

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**MW92**  
**C404-95**  
**5028-95**

**C-404 Landfill Monitoring 1995**

Collected: 1/17/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		48.91	ft			
Dissolved Oxygen		1.43	mg/L			
pH		5.9	Std Unit			
Temperature		60	deg F			
<b>METAL</b>						
Cadmium	U	0.002	mg/L			SW846-6010
Chromium	U	0.01	mg/L			SW846-6010
Lead	U	0.004	mg/L			SW846-7421
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
Uranium	U	0.001	mg/L			SA-U-8
<b>METAL-D</b>						
Cadmium	U	0.002	mg/L			SW846-6010
Chromium	U	0.01	mg/L			SW846-6010
Lead	U	0.004	mg/L			SW846-7421
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
<b>PHYSC</b>						
Specific Conductivity (PIP)		149	umho/cm			SA-COND-1
<b>RADS</b>						
Alpha activity	U	1000	pCi/L			R
Beta activity	U	1000	pCi/L			R
Technetium-99		5	pCi/L	21		R-46
<b>VOA</b>						
Trichloroethene	U	0.001	mg/L			EPA-624

**5029-95**

Collected: 1/17/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		149	umho/cm			SA-COND-1

**5030-95**

Collected: 1/17/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		150	umho/cm			SA-COND-1

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**MW92**

**C404-95**

**C-404 Landfill Monitoring 1995**

**5031-95**

Collected: 1/17/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		150	umho/cm			SA-COND-1

**5093-95**

Collected: 1/25/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		49.26	ft			
Dissolved Oxygen		12.5	mg/L			
pH		6	Std Unit			
Temperature		60	deg F			
<b>METAL</b>						
Cadmium	U	0.002	mg/L			SW846-6010
Chromium	U	0.01	mg/L			SW846-6010
Lead	U	0.004	mg/L			SW846-7421
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
Uranium	U	0.001	mg/L			SA-U-8
<b>METAL-D</b>						
Cadmium	U	0.002	mg/L			SW846-6010
Chromium	U	0.01	mg/L			SW846-6010
Lead	U	0.004	mg/L			SW846-7421
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
<b>PHYSC</b>						
Specific Conductivity (PIP)		148	umho/cm			SA-COND-1
<b>RADS</b>						
Alpha activity	U	1000	pCi/L			R
Beta activity	U	1000	pCi/L			R
Technetium-99		19	pCi/L	20		R-46
<b>VOA</b>						
Trichloroethene	U	0.001	mg/L			SW846-8260

**5094-95**

Collected: 1/25/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		148	umho/cm			SA-COND-1



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## MW92

### C404-95

### C-404 Landfill Monitoring 1995

#### 5095-95

Collected: 1/25/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		148	umho/cm			SA-COND-1

#### 5096-95

Collected: 1/25/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		148	umho/cm			SA-COND-1

#### 5159-95

Collected: 2/8/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		48.87	ft			
Dissolved Oxygen		1.2	mg/L			
pH		5.9	Std Unit			
Temperature		59	deg F			
<b>METAL</b>						
Cadmium	U	0.002	mg/L			SW846-6010
Chromium	U	0.01	mg/L			SW846-6010
Lead	U	0.004	mg/L			SW846-7421
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
Uranium	U	0.001	mg/L			SA-U-8
<b>METAL-D</b>						
Cadmium	U	0.002	mg/L			SW846-6010
Chromium	U	0.01	mg/L			SW846-6010
Lead	U	0.004	mg/L			SW846-7421
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
<b>PHYSC</b>						
Specific Conductivity (PIP)		147	umho/cm			SA-COND-1
<b>RADS</b>						
Alpha activity	U	1000	pCi/L			R
Beta activity	U	1000	pCi/L			R
Technetium-99		0	pCi/L	0		R-46
<b>VOA</b>						
Trichloroethene	U	0.001	mg/L			SW846-8260

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## MW92

### C404-95

## C-404 Landfill Monitoring 1995

### 5160-95

Collected: 2/8/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		148	umho/cm			SA-COND-1

### 5161-95

Collected: 2/8/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		148	umho/cm			SA-COND-1

### 5162-95

Collected: 2/8/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		148	umho/cm			SA-COND-1

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**MW92**  
**C404-95**  
**5224-95**

**C-404 Landfill Monitoring 1995**

Collected: 2/13/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		48.76	ft			
Dissolved Oxygen		0.47	mg/L			
pH		5.8	Std Unit			
Temperature		59	deg F			
<b>METAL</b>						
Cadmium	U	0.002	mg/L			SW846-6010
Chromium	U	0.01	mg/L			SW846-6010
Lead	U	0.004	mg/L			SW846-7421
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
Uranium	U	0.001	mg/L			SA-U-8
<b>METAL-D</b>						
Cadmium	U	0.002	mg/L			SW846-6010
Chromium	U	0.01	mg/L			SW846-6010
Lead	U	0.004	mg/L			SW846-7421
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
<b>PHYSC</b>						
Specific Conductivity (PIP)		149	umho/cm			SA-COND-1
<b>RADS</b>						
Alpha activity	U	1000	pCi/L			R
Beta activity	U	1000	pCi/L			R
Technetium-99		21	pCi/L	20		R-46
<b>VOA</b>						
Trichloroethene	UX	0.001	mg/L			SW846-8260

**5225-95**

Collected: 2/13/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.8	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		149	umho/cm			SA-COND-1

**5226-95**

Collected: 2/13/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.8	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		149	umho/cm			SA-COND-1

**MW92**  
**C404-95**  
**5227-95**

**C-404 Landfill Monitoring 1995**

Collected: 2/13/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.8	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		150	umho/cm			SA-COND-1

**5734-95**

Collected: 4/17/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		46.59	ft			
Dissolved Oxygen		0.34	mg/L			
pH		5.6	Std Unit			
Temperature		61	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			SA-U-8
<b>PHYSC</b>						
Specific Conductivity (PIP)		148	umho/cm			SA-COND-1
<b>RADS</b>						
Technetium-99		0	pCi/L	12		R-46

**5735-95**

Collected: 4/17/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		148	umho/cm			SA-COND-1

**5736-95**

Collected: 4/17/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		148	umho/cm			SA-COND-1

**5737-95**

Collected: 4/17/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		149	umho/cm			SA-COND-1

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**MW92**  
**C404-95**  
**5796-95**

**C-404 Landfill Monitoring 1995**

Collected: 4/26/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		46.73	ft			
Dissolved Oxygen		1.36	mg/L			
pH		5.7	Std Unit			
Temperature		61	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			SA-U-8
<b>PHYSC</b>						
Specific Conductivity (PIP)		149	umho/cm			SA-COND-1
<b>RADS</b>						
Technetium-99		22	pCi/L	18		R-46

**5797-95**

Collected: 4/26/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.7	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		149	umho/cm			SA-COND-1

**5798-95**

Collected: 4/26/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.7	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		149	umho/cm			SA-COND-1

**5799-95**

Collected: 4/26/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.7	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		149	umho/cm			SA-COND-1

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**MW92**  
**C404-95**  
**5861-95**

## C-404 Landfill Monitoring 1995

Collected: 5/3/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		46.58	ft			
Dissolved Oxygen		0.52	mg/L			
pH		5.5	Std Unit			
Temperature		60	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			SA-U-8
<b>PHYSC</b>						
Specific Conductivity (PIP)		152	umho/cm			SA-COND-1
<b>RADS</b>						
Technetium-99		19	pCi/L	29		R-46

**5862-95**

Collected: 5/3/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.5	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		152	umho/cm			SA-COND-1

**5863-95**

Collected: 5/3/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.5	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		151	umho/cm			SA-COND-1

**5864-95**

Collected: 5/3/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.5	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		152	umho/cm			SA-COND-1

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**MW92**  
**C404-95**  
**5926-95**

**C-404 Landfill Monitoring 1995**

Collected: 5/10/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		46.11	ft			
Dissolved Oxygen		0.77	mg/L			
pH		5.7	Std Unit			
Temperature		61	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			SA-U-8
<b>PHYSC</b>						
Specific Conductivity (PIP)		155	umho/cm			SA-COND-1
<b>RADS</b>						
Technetium-99		6	pCi/L	19		R-46

**5927-95**

Collected: 5/10/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.7	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		156	umho/cm			SA-COND-1

**5928-95**

Collected: 5/10/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.7	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		155	umho/cm			SA-COND-1

**5929-95**

Collected: 5/10/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.7	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		155	umho/cm			SA-COND-1

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**MW92**  
**C404-95**  
**6826-95**

**C-404 Landfill Monitoring 1995**

Collected: 7/20/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		43.74	ft			
Dissolved Oxygen		2.43	mg/L			
pH		5.7	Std Unit			
Temperature		61	deg F			
<b>METAL</b>						
Cadmium	U	0.01	mg/L			SW846-6010
Chromium	U	0.05	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
Uranium	U	0.001	mg/L			IN7105
<b>PHYSC</b>						
Specific Conductivity (PIP)		154	umho/cm			IN7125
<b>RADS</b>						
Technetium-99		3	pCi/L	10		R-46
<b>VOA</b>						
Trichloroethene	U	0.001	mg/L			SW846-8260

**6827-95**

Collected: 7/20/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.7	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		155	umho/cm			IN7125

**6828-95**

Collected: 7/20/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.7	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		155	umho/cm			IN7125

**6829-95**

Collected: 7/20/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.7	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		155	umho/cm			IN7125



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**MW92**  
**C404-95**  
**6895-95**

**C-404 Landfill Monitoring 1995**

Collected: 7/26/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		43.8	ft			
Dissolved Oxygen		1.98	mg/L			
pH		5.7	Std Unit			
Temperature		61	deg F			
<b>METAL</b>						
Cadmium	U	0.01	mg/L			SW846-6010
Chromium	U	0.05	mg/L			SW846-6010
Mercury	U	0.002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
Uranium	U	0.001	mg/L			IN7105
<b>PHYSC</b>						
Specific Conductivity (PIP)		153	umho/cm			IN7125
<b>RADS</b>						
Technetium-99		3	pCi/L	11		R-46
<b>VOA</b>						
Trichloroethene		0.001	mg/L			SW846-8260

**6896-95**

Collected: 7/26/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.7	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		153	umho/cm			IN7125

**6897-95**

Collected: 7/26/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.7	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		155	umho/cm			IN7125

**6898-95**

Collected: 7/26/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.7	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		155	umho/cm			IN7125

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**MW92**  
**C404-95**  
**6964-95**

**C-404 Landfill Monitoring 1995**

Collected: 8/9/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		44	ft			
Dissolved Oxygen		2.04	mg/L			
pH		5.8	Std Unit			
Temperature		61	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			IN7105
<b>PHYSC</b>						
Specific Conductivity (PIP)		153	umho/cm			IN7125
<b>RADS</b>						
Technetium-99		8	pCi/L	10		R-46

**6965-95**

Collected: 8/9/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.7	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		153	umho/cm			IN7125

**6966-95**

Collected: 8/9/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.8	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		153	umho/cm			IN7125

**6967-95**

Collected: 8/9/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.8	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		153	umho/cm			IN7125

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**MW92**  
**C404-95**  
**7033-95**

**C-404 Landfill Monitoring 1995**

Collected: 8/16/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		44.25	ft			
Dissolved Oxygen		1.95	mg/L			
pH		5.8	Std Unit			
Temperature		61	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			IN7105
<b>PHYSC</b>						
Specific Conductivity (PIP)		154	umho/cm			IN7125
<b>RADS</b>						
Technetium-99		6	pCi/L	10		R-46

**7034-95**

Collected: 8/16/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.8	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		153	umho/cm			IN7125

**7035-95**

Collected: 8/16/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.8	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		154	umho/cm			IN7125

**7036-95**

Collected: 8/16/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.8	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		154	umho/cm			IN7125

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**MW92**  
**C404-95**  
**7661-95**

## C-404 Landfill Monitoring 1995

Collected: 10/25/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		47.57	ft			
Dissolved Oxygen		0.77	mg/L			
pH		5.6	Std Unit			
Temperature		60	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			IN7105
<b>PHYSC</b>						
Specific Conductivity (PIP)		150	umho/cm			IN7125
<b>RADS</b>						
Technetium-99		0	pCi/L	0		RL-7100

**7662-95**

Collected: 10/25/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		150	umho/cm			IN7125

**7663-95**

Collected: 10/25/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		150	umho/cm			IN7125

**7664-95**

Collected: 10/25/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		150	umho/cm			IN7125

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**MW92**  
**C404-95**  
**7728-95**

**C-404 Landfill Monitoring 1995**

Collected: 11/1/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		47.66	ft			
Dissolved Oxygen		0.74	mg/L			
pH		5.7	Std Unit			
Temperature		60	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			IN7105
<b>PHYSC</b>						
Specific Conductivity (PIP)		150	umho/cm			IN7125
<b>RADS</b>						
Technetium-99		0	pCi/L	0		RL-7100

**7729-95**

Collected: 11/1/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.7	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		151	umho/cm			IN7125

**7730-95**

Collected: 11/1/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.7	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		150	umho/cm			IN7125

**7731-95**

Collected: 11/1/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.7	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		150	umho/cm			IN7125

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**MW92**  
**C404-95**  
**7796-95**

**C-404 Landfill Monitoring 1995**

Collected: 11/8/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		48.2	ft			
Dissolved Oxygen		0.64	mg/L			
pH		5.7	Std Unit			
Temperature		60	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			IN7105
<b>PHYSC</b>						
Specific Conductivity (PIP)		148	umho/cm			IN7125
<b>RADS</b>						
Technetium-99		0	pCi/L	0		RL-7100

**7797-95**

Collected: 11/8/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.7	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		148	umho/cm			IN7125

**7798-95**

Collected: 11/8/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.7	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		148	umho/cm			IN7125

**7799-95**

Collected: 11/8/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.7	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		148	umho/cm			IN7125

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**MW92**  
**C404-95**  
**7864-95**

**C-404 Landfill Monitoring 1995**

Collected: 11/14/1995      Media Type: WG      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		48.26	ft			
Dissolved Oxygen		0.54	mg/L			
pH		5.6	Std Unit			
Temperature		60	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			IN7105
<b>PHYSC</b>						
Specific Conductivity (PIP)		153	umho/cm			IN7125
<b>RADS</b>						
Technetium-99		11	pCi/L	10		RL-7100

**7865-95**

Collected: 11/14/1995      Media Type: WG      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		152	umho/cm			IN7125

**7866-95**

Collected: 11/14/1995      Media Type: WG      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		152	umho/cm			IN7125

**7867-95**

Collected: 11/14/1995      Media Type: WG      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		152	umho/cm			IN7125

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**MW93**  
**C404-95**  
**5032-95**

**C-404 Landfill Monitoring 1995**

Collected: 1/18/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		51.94	ft			
Dissolved Oxygen		1.01	mg/L			
pH		6.1	Std Unit			
Temperature		59	deg F			
<b>METAL</b>						
Cadmium	U	0.002	mg/L			SW846-6010
Chromium	U	0.01	mg/L			SW846-6010
Lead	U	0.004	mg/L			SW846-7421
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
Uranium	U	0.001	mg/L			SA-U-8
<b>METAL-D</b>						
Cadmium	U	0.002	mg/L			SW846-6010
Chromium	U	0.01	mg/L			SW846-6010
Lead	U	0.004	mg/L			SW846-7421
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
<b>PHYSC</b>						
Specific Conductivity (PIP)		209	umho/cm			SA-COND-1
<b>RADS</b>						
Alpha activity	U	1000	pCi/L			R
Beta activity	U	1000	pCi/L			R
Technetium-99		11	pCi/L	19		R-46
<b>VOA</b>						
Trichloroethene	UX	0.001	mg/L			EPA-624

**5033-95**

Collected: 1/18/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.1	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		209	umho/cm			SA-COND-1

**5034-95**

Collected: 1/18/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.1	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		209	umho/cm			SA-COND-1



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**MW93**

**C404-95**

**C-404 Landfill Monitoring 1995**

**5035-95**

Collected: 1/18/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		209	umho/cm			SA-COND-1

**5097-95**

Collected: 1/23/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		51.6	ft			
Dissolved Oxygen		1.12	mg/L			
pH		6.1	Std Unit			
Temperature		59	deg F			
<b>METAL</b>						
Cadmium	U	0.002	mg/L			SW846-6010
Chromium	U	0.01	mg/L			SW846-6010
Lead	U	0.004	mg/L			SW846-7421
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
Uranium	U	0.001	mg/L			SA-U-8
<b>METAL-D</b>						
Cadmium	U	0.002	mg/L			SW846-6010
Chromium	U	0.01	mg/L			SW846-6010
Lead	U	0.004	mg/L			SW846-7421
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
<b>PHYSC</b>						
Specific Conductivity (PIP)		210	umho/cm			SA-COND-1
<b>RADS</b>						
Alpha activity	U	1000	pCi/L			R
Beta activity	U	1000	pCi/L			R
Technetium-99		5	pCi/L	5		R-46
<b>VOA</b>						
Trichloroethene	UX	0.001	mg/L			SW846-8260

**5098-95**

Collected: 1/23/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.1	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		210	umho/cm			SA-COND-1

**MW93**

**C404-95**

**C-404 Landfill Monitoring 1995**

**5099-95**

Collected: 1/23/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.1	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		210	umho/cm			SA-COND-1

**5100-95**

Collected: 1/23/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.1	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		210	umho/cm			SA-COND-1

**5163-95**

Collected: 2/6/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		51.97	ft			
Dissolved Oxygen		1.01	mg/L			
pH		6.2	Std Unit			
Temperature		59	deg F			
<b>METAL</b>						
Cadmium	U	0.002	mg/L			SW846-6010
Chromium	U	0.01	mg/L			SW846-6010
Lead	U	0.004	mg/L			SW846-7421
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
Uranium	U	0.001	mg/L			SA-U-8
<b>METAL-D</b>						
Cadmium	U	0.002	mg/L			SW846-6010
Chromium	U	0.01	mg/L			SW846-6010
Lead	U	0.004	mg/L			SW846-7421
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
<b>PHYSC</b>						
Specific Conductivity (PIP)		210	umho/cm			SA-COND-1
<b>RADS</b>						
Alpha activity	U	1000	pCi/L			R
Beta activity	U	1000	pCi/L			R
Technetium-99		9	pCi/L	18		R-46
Uranium-234		199.68	pCi/L			R
Uranium-235		0.729	wt %			TIMS-3
Uranium-235		9.96	pCi/L			R
Uranium-238		210.83	pCi/L			R
<b>VOA</b>						
Trichloroethene		0.001	mg/L			SW846-8260

**MW93**

**C404-95**

**C-404 Landfill Monitoring 1995**

**5164-95**

Collected: 2/6/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.2	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		211	umho/cm			SA-COND-1

**5165-95**

Collected: 2/6/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.2	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		210	umho/cm			SA-COND-1

**5166-95**

Collected: 2/6/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.2	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		210	umho/cm			SA-COND-1

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**MW93**  
**C404-95**  
**5228-95**

## C-404 Landfill Monitoring 1995

Collected: 2/13/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		51.87	ft			
Dissolved Oxygen		0.97	mg/L			
pH		6	Std Unit			
Temperature		59	deg F			
<b>METAL</b>						
Cadmium	U	0.002	mg/L			SW846-6010
Chromium	U	0.01	mg/L			SW846-6010
Lead	U	0.004	mg/L			SW846-7421
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
Uranium	U	0.001	mg/L			SA-U-8
<b>METAL-D</b>						
Cadmium	U	0.002	mg/L			SW846-6010
Chromium	U	0.01	mg/L			SW846-6010
Lead	U	0.004	mg/L			SW846-7421
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
<b>PHYSC</b>						
Specific Conductivity (PIP)		212	umho/cm			SA-COND-1
<b>RADS</b>						
Alpha activity	U	1000	pCi/L			R
Beta activity	U	1000	pCi/L			R
Technetium-99		0	pCi/L	12		R-46
<b>VOA</b>						
Trichloroethene		0.001	mg/L			SW846-8260

**5229-95**

Collected: 2/13/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		211	umho/cm			SA-COND-1

**5230-95**

Collected: 2/13/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		211	umho/cm			SA-COND-1

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**MW93**  
**C404-95**  
**5231-95**

## C-404 Landfill Monitoring 1995

Collected: 2/13/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		212	umho/cm			SA-COND-1

**5738-95**

Collected: 4/17/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		49.58	ft			
Dissolved Oxygen		1.02	mg/L			
pH		5.9	Std Unit			
Temperature		61	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			SA-U-8
<b>PHYSC</b>						
Specific Conductivity (PIP)		212	umho/cm			SA-COND-1
<b>RADS</b>						
Technetium-99		6	pCi/L	5		R-46

**5739-95**

Collected: 4/17/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		211	umho/cm			SA-COND-1

**5740-95**

Collected: 4/17/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		212	umho/cm			SA-COND-1

**5741-95**

Collected: 4/17/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		212	umho/cm			SA-COND-1

**MW93**  
**C404-95**  
**5800-95**

**C-404 Landfill Monitoring 1995**

Collected: 4/24/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		49.66	ft			
Dissolved Oxygen		4.28	mg/L			
pH		6	Std Unit			
Temperature		60	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			SA-U-8
<b>PHYSC</b>						
Specific Conductivity (PIP)		212	umho/cm			SA-COND-1
<b>RADS</b>						
Technetium-99		13	pCi/L	19		R-46

**5801-95**

Collected: 4/24/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		212	umho/cm			SA-COND-1

**5802-95**

Collected: 4/24/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		211	umho/cm			SA-COND-1

**5803-95**

Collected: 4/24/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		211	umho/cm			SA-COND-1

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**MW93**  
**C404-95**  
**5865-95**

**C-404 Landfill Monitoring 1995**

Collected: 5/2/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		49.57	ft			
Dissolved Oxygen		1.05	mg/L			
pH		5.9	Std Unit			
Temperature		60	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			SA-U-8
<b>PHYSC</b>						
Specific Conductivity (PIP)		212	umho/cm			SA-COND-1
<b>RADS</b>						
Technetium-99		0	pCi/L	0		R-46

**5866-95**

Collected: 5/2/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		212	umho/cm			SA-COND-1

**5867-95**

Collected: 5/2/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		212	umho/cm			SA-COND-1

**5868-95**

Collected: 5/2/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		212	umho/cm			SA-COND-1

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**MW93**  
**C404-95**  
**5930-95**

## C-404 Landfill Monitoring 1995

Collected: 5/10/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		49.25	ft			
Dissolved Oxygen		0.78	mg/L			
pH		5.9	Std Unit			
Temperature		60	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			SA-U-8
<b>PHYSC</b>						
Specific Conductivity (PIP)		212	umho/cm			SA-COND-1
<b>RADS</b>						
Technetium-99		12	pCi/L	64		R-46

**5931-95**

Collected: 5/10/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		211	umho/cm			SA-COND-1

**5932-95**

Collected: 5/10/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		213	umho/cm			SA-COND-1

**5933-95**

Collected: 5/10/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		213	umho/cm			SA-COND-1



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**MW93**

**C404-95**

**C-404 Landfill Monitoring 1995**

**6830-95**

Collected: 7/17/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		46.61	ft			
Dissolved Oxygen		2.99	mg/L			
pH		6	Std Unit			
Temperature		60	deg F			
<b>METAL</b>						
Cadmium	U	0.01	mg/L			SW846-6010
Chromium	U	0.05	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
Uranium	U	0.001	mg/L			IN7105
<b>PHYSC</b>						
Specific Conductivity (PIP)		212	umho/cm			IN7125
<b>RADS</b>						
Alpha activity	U	1000	pCi/L			R-56
Beta activity	U	1000	pCi/L			R-56
Technetium-99		13	pCi/L	10		R-46
<b>VOA</b>						
Trichloroethene	XU	0.001	mg/L			SW846-8260

**6831-95**

Collected: 7/17/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		211	umho/cm			IN7125

**6832-95**

Collected: 7/17/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		211	umho/cm			IN7125

**6833-95**

Collected: 7/17/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		211	umho/cm			IN7125

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## MW93

### C404-95

### C-404 Landfill Monitoring 1995

#### 6899-95

Collected: 7/24/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		46.71	ft			
Dissolved Oxygen		2.35	mg/L			
pH		5.9	Std Unit			
Temperature		60	deg F			
<b>METAL</b>						
Cadmium	U	0.01	mg/L			SW846-6010
Chromium	U	0.05	mg/L			SW846-6010
Mercury	BU	0.002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
Uranium	U	0.001	mg/L			IN7105
<b>PHYSC</b>						
Specific Conductivity (PIP)		212	umho/cm			IN7125
<b>RADS</b>						
Technetium-99		9	pCi/L	11		R-46
<b>VOA</b>						
Trichloroethene	UX	0.001	mg/L			SW846-8260

#### 6900-95

Collected: 7/24/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		210	umho/cm			IN7125

#### 6901-95

Collected: 7/24/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		211	umho/cm			IN7125

#### 6902-95

Collected: 7/24/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		210	umho/cm			IN7125

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**MW93**

**C404-95**

**C-404 Landfill Monitoring 1995**

**6968-95**

Collected: 8/7/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		47.02	ft			
Dissolved Oxygen		0.85	mg/L			
pH		6	Std Unit			
Temperature		60	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			IN7105
<b>PHYSC</b>						
Specific Conductivity (PIP)		211	umho/cm			IN7125
<b>RADS</b>						
Technetium-99		11	pCi/L	10		R-46

**6969-95**

Collected: 8/7/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		211	umho/cm			IN7125

**6970-95**

Collected: 8/7/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		211	umho/cm			IN7125

**6971-95**

Collected: 8/7/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		211	umho/cm			IN7125

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**MW93**  
**C404-95**  
**7037-95**

**C-404 Landfill Monitoring 1995**

Collected: 8/15/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		47.09	ft			
Dissolved Oxygen		2.24	mg/L			
pH		6	Std Unit			
Temperature		60	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			IN7105
<b>PHYSC</b>						
Specific Conductivity (PIP)		214	umho/cm			IN7125
<b>RADS</b>						
Technetium-99		5	pCi/L	10		R-46

**7038-95**

Collected: 8/15/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		217	umho/cm			IN7125

**7039-95**

Collected: 8/15/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		215	umho/cm			IN7125

**7040-95**

Collected: 8/15/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		214	umho/cm			IN7125

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**MW93**  
**C404-95**  
**7665-95**

**C-404 Landfill Monitoring 1995**

Collected: 10/25/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		50.41	ft			
Dissolved Oxygen		1.13	mg/L			
pH		5.9	Std Unit			
Temperature		60	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			IN7105
<b>PHYSC</b>						
Specific Conductivity (PIP)		212	umho/cm			IN7125
<b>RADS</b>						
Technetium-99		0	pCi/L	0		RL-7100

**7666-95**

Collected: 10/25/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		212	umho/cm			IN7125

**7667-95**

Collected: 10/25/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		211	umho/cm			IN7125

**7668-95**

Collected: 10/25/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		211	umho/cm			IN7125

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**MW93**  
**C404-95**  
**7732-95**

**C-404 Landfill Monitoring 1995**

Collected: 11/1/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		50.4	ft			
Dissolved Oxygen		1.28	mg/L			
pH		5.9	Std Unit			
Temperature		60	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			IN7105
<b>PHYSC</b>						
Specific Conductivity (PIP)		210	umho/cm			IN7125
<b>RADS</b>						
Technetium-99		2	pCi/L	9		RL-7100

**7733-95**

Collected: 11/1/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		210	umho/cm			IN7125

**7734-95**

Collected: 11/1/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		210	umho/cm			IN7125

**7735-95**

Collected: 11/1/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		211	umho/cm			IN7125

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**MW93**  
**C404-95**  
**7800-95**

**C-404 Landfill Monitoring 1995**

Collected: 11/6/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		50.81	ft			
Dissolved Oxygen		2.33	mg/L			
pH		6.1	Std Unit			
Temperature		59	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			IN7105
<b>PHYSC</b>						
Specific Conductivity (PIP)		211	umho/cm			IN7125
<b>RADS</b>						
Technetium-99		0	pCi/L	0		RL-7100

**7801-95**

Collected: 11/6/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.1	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		211	umho/cm			IN7125

**7802-95**

Collected: 11/6/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.1	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		211	umho/cm			IN7125

**7803-95**

Collected: 11/6/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.1	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		211	umho/cm			IN7125

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**MW93**  
**C404-95**  
**7868-95**

**C-404 Landfill Monitoring 1995**

Collected: 11/13/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		51.01	ft			
Dissolved Oxygen		1.21	mg/L			
pH		5.7	Std Unit			
Temperature		59	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			IN7105
<b>PHYSC</b>						
Specific Conductivity (PIP)		212	umho/cm			IN7125
<b>RADS</b>						
Technetium-99		9	pCi/L	10		RL-7100

**7869-95**

Collected: 11/13/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.7	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		211	umho/cm			IN7125

**7870-95**

Collected: 11/13/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.7	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		210	umho/cm			IN7125

**7871-95**

Collected: 11/13/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.7	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		211	umho/cm			IN7125



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**MW93**

**C404-95**

**C-404 Landfill Monitoring 1995**

**5191-95**

Collected: 2/6/1995

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		51.97	ft			
Dissolved Oxygen		1.18	mg/L			
pH		6.2	Std Unit			
Temperature		59	deg F			
<b>METAL</b>						
Cadmium	U	0.002	mg/L			SW846-6010
Chromium	U	0.01	mg/L			SW846-6010
Lead	U	0.004	mg/L			SW846-7421
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
Uranium	U	0.001	mg/L			SA-U-8
<b>METAL-D</b>						
Cadmium	U	0.002	mg/L			SW846-6010
Chromium	U	0.01	mg/L			SW846-6010
Lead	U	0.004	mg/L			SW846-7421
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
<b>PHYSC</b>						
Specific Conductivity (PIP)		211	umho/cm			SA-COND-1
<b>RADS</b>						
Alpha activity	U	1000	pCi/L			R
Beta activity	U	1000	pCi/L			R
Technetium-99		10	pCi/L	18		R-46
<b>VOA</b>						
Trichloroethene	UXJ	0.001	mg/L			SW846-8260

**5192-95**

Collected: 2/6/1995

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.2	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		211	umho/cm			SA-COND-1

**5193-95**

Collected: 2/6/1995

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.2	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		211	umho/cm			SA-COND-1

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**MW93**  
**C404-95**  
**5194-95**

**C-404 Landfill Monitoring 1995**

Collected: 2/6/1995

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.2	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		211	umho/cm			SA-COND-1

**5885-95**

Collected: 5/2/1995

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		49.57	ft			
Dissolved Oxygen		1.05	mg/L			
pH		5.9	Std Unit			
Temperature		60	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			SA-U-8
<b>PHYSC</b>						
Specific Conductivity (PIP)		212	umho/cm			SA-COND-1
<b>RADS</b>						
Technetium-99		9	pCi/L	30		R-46

**5886-95**

Collected: 5/2/1995

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		213	umho/cm			SA-COND-1

**5887-95**

Collected: 5/2/1995

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		212	umho/cm			SA-COND-1

**5888-95**

Collected: 5/2/1995

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		212	umho/cm			SA-COND-1

**MW93**  
**C404-95**  
**6919-95**

**C-404 Landfill Monitoring 1995**

Collected: 7/24/1995

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		46.71	ft			
Dissolved Oxygen		2.35	mg/L			
pH		5.9	Std Unit			
Temperature		60	deg F			
<b>METAL</b>						
Cadmium	U	0.01	mg/L			SW846-6010
Chromium	U	0.05	mg/L			SW846-6010
Mercury	U	0.002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
Uranium	U	0.001	mg/L			IN7105
<b>PHYSC</b>						
Specific Conductivity (PIP)		211	umho/cm			IN7125
<b>RADS</b>						
Technetium-99		8	pCi/L	11		R-46
Uranium-234		12.54	pCi/L			TIMS-3
Uranium-235		0.388	wt %			TIMS-3
Uranium-235		0.81	pCi/L			TIMS-3
Uranium-238		32.47	pCi/L			TIMS-3
<b>VOA</b>						
Trichloroethene		0.001	mg/L			SW846-8260

**6920-95**

Collected: 7/24/1995

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		210	umho/cm			IN7125

**6921-95**

Collected: 7/24/1995

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		211	umho/cm			IN7125

**6922-95**

Collected: 7/24/1995

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		211	umho/cm			IN7125

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**MW93**  
**C404-95**  
**7820-95**

**C-404 Landfill Monitoring 1995**

Collected: 11/6/1995

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		50.81	ft			
Dissolved Oxygen		2.33	mg/L			
pH		6.1	Std Unit			
Temperature		59	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			IN7105
<b>PHYSC</b>						
Specific Conductivity (PIP)		211	umho/cm			IN7125
<b>RADS</b>						
Technetium-99		6	pCi/L	10		RL-7100

**7821-95**

Collected: 11/6/1995

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.1	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		211	umho/cm			IN7125

**7822-95**

Collected: 11/6/1995

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.1	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		211	umho/cm			IN7125

**7823-95**

Collected: 11/6/1995

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.1	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		211	umho/cm			IN7125

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**MW94**  
**C404-95**  
**5036-95**

## C-404 Landfill Monitoring 1995

Collected: 1/18/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		17.72	ft			
Dissolved Oxygen		2.39	mg/L			
pH		5.8	Std Unit			
Temperature		60	deg F			
<b>METAL</b>						
Cadmium	U	0.002	mg/L			SW846-6010
Chromium		0.056	mg/L			SW846-6010
Lead	U	0.004	mg/L			SW846-7421
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
Uranium	U	0.001	mg/L			SA-U-8
<b>METAL-D</b>						
Cadmium	U	0.002	mg/L			SW846-6010
Chromium	U	0.01	mg/L			SW846-6010
Lead	U	0.004	mg/L			SW846-7421
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
<b>PHYSC</b>						
Specific Conductivity (PIP)		1263	umho/cm			SA-COND-1
<b>RADS</b>						
Alpha activity	U	1000	pCi/L			R
Beta activity	U	1000	pCi/L			R
Technetium-99		547	pCi/L	41		R-46
<b>VOA</b>						
Trichloroethene		0.044	mg/L			EPA-624

**5037-95**

Collected: 1/18/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.8	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		1261	umho/cm			SA-COND-1

**5038-95**

Collected: 1/18/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.8	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		1262	umho/cm			SA-COND-1

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**MW94**  
**C404-95**  
**5039-95**

**C-404 Landfill Monitoring 1995**

Collected: 1/18/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.8	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		1265	umho/cm			SA-COND-1

**5101-95**

Collected: 1/25/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		18.02	ft			
Dissolved Oxygen		32.5	mg/L			
pH		5.8	Std Unit			
Temperature		60	deg F			
<b>METAL</b>						
Cadmium	U	0.002	mg/L			SW846-6010
Chromium		0.023	mg/L			SW846-6010
Lead	U	0.004	mg/L			SW846-7421
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
Uranium	U	0.001	mg/L			SA-U-8
<b>METAL-D</b>						
Cadmium	U	0.002	mg/L			SW846-6010
Chromium	U	0.01	mg/L			SW846-6010
Lead	U	0.004	mg/L			SW846-7421
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
<b>PHYSC</b>						
Specific Conductivity (PIP)		1268	umho/cm			SA-COND-1
<b>RADS</b>						
Alpha activity	U	1000	pCi/L			R
Beta activity	U	1000	pCi/L			R
Technetium-99		416	pCi/L	38		R-46
<b>VOA</b>						
Trichloroethene		0.046	mg/L			SW846-8260

**5102-95**

Collected: 1/25/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.8	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		1271	umho/cm			SA-COND-1

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**MW94**

**C404-95**

**C-404 Landfill Monitoring 1995**

**5103-95**

Collected: 1/25/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.8	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		1269	umho/cm			SA-COND-1

**5104-95**

Collected: 1/25/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.8	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		1269	umho/cm			SA-COND-1

**5167-95**

Collected: 2/7/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		17.37	ft			
Dissolved Oxygen		2.6	mg/L			
pH		5.6	Std Unit			
Temperature		60	deg F			
<b>METAL</b>						
Cadmium	U	0.002	mg/L			SW846-6010
Chromium		0.02	mg/L			SW846-6010
Lead	U	0.004	mg/L			SW846-7421
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
Uranium	U	0.001	mg/L			SA-U-8
<b>METAL-D</b>						
Cadmium	U	0.002	mg/L			SW846-6010
Chromium	U	0.01	mg/L			SW846-6010
Lead	U	0.004	mg/L			SW846-7421
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
<b>PHYSC</b>						
Specific Conductivity (PIP)		1258	umho/cm			SA-COND-1
<b>RADS</b>						
Alpha activity	U	1000	pCi/L			R
Beta activity	U	1000	pCi/L			R
Technetium-99		396	pCi/L	37		R-46
<b>VOA</b>						
Trichloroethene		0.043	mg/L			SW846-8260

**MW94**  
**C404-95**  
**5168-95**

**C-404 Landfill Monitoring 1995**

Collected: 2/7/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		1262	umho/cm			SA-COND-1

**5169-95**

Collected: 2/7/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		1261	umho/cm			SA-COND-1

**5170-95**

Collected: 2/7/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		1262	umho/cm			SA-COND-1



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**MW94**  
**C404-95**  
**5232-95**

**C-404 Landfill Monitoring 1995**

Collected: 2/13/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		17.86	ft			
Dissolved Oxygen		2.49	mg/L			
pH		5.7	Std Unit			
Temperature		60	deg F			
<b>METAL</b>						
Cadmium	U	0.002	mg/L			SW846-6010
Chromium		0.022	mg/L			SW846-6010
Lead	U	0.004	mg/L			SW846-7421
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
Uranium	U	0.001	mg/L			SA-U-8
<b>METAL-D</b>						
Cadmium	U	0.002	mg/L			SW846-6010
Chromium	U	0.01	mg/L			SW846-6010
Lead	U	0.004	mg/L			SW846-7421
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
<b>PHYSC</b>						
Specific Conductivity (PIP)		1264	umho/cm			SA-COND-1
<b>RADS</b>						
Alpha activity	U	1000	pCi/L			R
Beta activity	U	1000	pCi/L			R
Technetium-99		381	pCi/L	35		R-46
<b>VOA</b>						
Trichloroethene		0.041	mg/L			SW846-8260

**5233-95**

Collected: 2/13/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.7	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		1263	umho/cm			SA-COND-1

**5234-95**

Collected: 2/13/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.7	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		1265	umho/cm			SA-COND-1

**MW94**  
**C404-95**  
**5235-95**

**C-404 Landfill Monitoring 1995**

Collected: 2/13/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.7	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		1263	umho/cm			SA-COND-1

**5742-95**

Collected: 4/17/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		16.65	ft			
Dissolved Oxygen		2.87	mg/L			
pH		5.7	Std Unit			
Temperature		60	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			SA-U-8
<b>PHYSC</b>						
Specific Conductivity (PIP)		1340	umho/cm			SA-COND-1
<b>RADS</b>						
Technetium-99		529	pCi/L	40		R-46

**5743-95**

Collected: 4/17/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.7	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		1330	umho/cm			SA-COND-1

**5744-95**

Collected: 4/17/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.7	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		1340	umho/cm			SA-COND-1

**5745-95**

Collected: 4/17/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.7	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		1340	umho/cm			SA-COND-1

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**MW94**  
**C404-95**  
**5804-95**

**C-404 Landfill Monitoring 1995**

Collected: 4/26/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		16.97	ft			
Dissolved Oxygen		2.07	mg/L			
pH		5.7	Std Unit			
Temperature		60	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			SA-U-8
<b>PHYSC</b>						
Specific Conductivity (PIP)		1340	umho/cm			SA-COND-1
<b>RADS</b>						
Technetium-99		460	pCi/L	36		R-46

**5805-95**

Collected: 4/26/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.7	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		1340	umho/cm			SA-COND-1

**5806-95**

Collected: 4/26/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.7	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		1330	umho/cm			SA-COND-1

**5807-95**

Collected: 4/26/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.7	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		1330	umho/cm			SA-COND-1

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**MW94**  
**C404-95**  
**5869-95**

**C-404 Landfill Monitoring 1995**

Collected: 5/3/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		16.39	ft			
Dissolved Oxygen		3.14	mg/L			
pH		5.7	Std Unit			
Temperature		60	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			SA-U-8
<b>PHYSC</b>						
Specific Conductivity (PIP)		1295	umho/cm			SA-COND-1
<b>RADS</b>						
Technetium-99		345	pCi/L	33		R-46

**5870-95**

Collected: 5/3/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.7	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		1295	umho/cm			SA-COND-1

**5871-95**

Collected: 5/3/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.7	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		1293	umho/cm			SA-COND-1

**5872-95**

Collected: 5/3/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.7	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		1294	umho/cm			SA-COND-1

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**MW94**  
**C404-95**  
**5934-95**

**C-404 Landfill Monitoring 1995**

Collected: 5/8/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		15.86	ft			
Dissolved Oxygen		3.35	mg/L			
pH		5.4	Std Unit			
Temperature		60	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			SA-U-8
<b>PHYSC</b>						
Specific Conductivity (PIP)		1320	umho/cm			SA-COND-1
<b>RADS</b>						
Technetium-99		380	pCi/L	34		R-46

**5935-95**

Collected: 5/8/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.4	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		1320	umho/cm			SA-COND-1

**5936-95**

Collected: 5/8/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.4	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		1320	umho/cm			SA-COND-1

**5937-95**

Collected: 5/8/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.4	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		1296	umho/cm			SA-COND-1

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**MW94**  
**C404-95**  
**6834-95**

**C-404 Landfill Monitoring 1995**

Collected: 7/17/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		16.55	ft			
Dissolved Oxygen		3.9	mg/L			
pH		5.8	Std Unit			
Temperature		60	deg F			
<b>METAL</b>						
Cadmium	U	0.01	mg/L			SW846-6010
Chromium	U	0.05	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
Uranium	U	0.001	mg/L			IN7105
<b>PHYSC</b>						
Specific Conductivity (PIP)		1360	umho/cm			IN7125
<b>RADS</b>						
Alpha activity	U	1000	pCi/L			R-56
Beta activity	U	1000	pCi/L			R-56
Technetium-99		467	pCi/L	22		R-46
Uranium-234		3.09	pCi/L			TIMS-3
Uranium-235		0.16	pCi/L			TIMS-3
Uranium-235		0.717	wt %			TIMS-3
Uranium-238		3.34	pCi/L			TIMS-3
<b>VOA</b>						
Trichloroethene		0.04	mg/L			SW846-8260

**6835-95**

Collected: 7/17/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.8	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		1360	umho/cm			IN7125

**6836-95**

Collected: 7/17/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.8	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		1360	umho/cm			IN7125

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**MW94**  
**C404-95**  
**6837-95**

## C-404 Landfill Monitoring 1995

Collected: 7/17/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.8	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		1360	umho/cm			IN7125

**6903-95**

Collected: 7/24/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		16.62	ft			
Dissolved Oxygen		3.52	mg/L			
pH		5.8	Std Unit			
Temperature		60	deg F			
<b>METAL</b>						
Cadmium	U	0.01	mg/L			SW846-6010
Chromium	U	0.05	mg/L			SW846-6010
Mercury	U	0.002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
Uranium	U	0.001	mg/L			IN7105
<b>PHYSC</b>						
Specific Conductivity (PIP)		1370	umho/cm			IN7125
<b>RADS</b>						
Technetium-99		453	pCi/L	22		R-46
Uranium-234		14.39	pCi/L			TIMS-3
Uranium-235		0.405	wt %			TIMS-3
Uranium-235		0.91	pCi/L			TIMS-3
Uranium-238		34.81	pCi/L			TIMS-3
<b>VOA</b>						
Trichloroethene		0.036	mg/L			SW846-8260

**6904-95**

Collected: 7/24/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.8	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		1297	umho/cm			IN7125

**6905-95**

Collected: 7/24/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.8	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		1294	umho/cm			IN7125

**MW94**  
**C404-95**  
**6906-95**

**C-404 Landfill Monitoring 1995**

Collected: 7/24/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.8	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		1292	umho/cm			IN7125

**6972-95**

Collected: 8/7/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		16.72	ft			
Dissolved Oxygen		3.19	mg/L			
pH		5.8	Std Unit			
Temperature		60	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			IN7105
<b>PHYSC</b>						
Specific Conductivity (PIP)		1292	umho/cm			IN7125
<b>RADS</b>						
Technetium-99		463	pCi/L	22		R-46

**6973-95**

Collected: 8/7/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.8	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		1293	umho/cm			IN7125

**6974-95**

Collected: 8/7/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.8	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		1294	umho/cm			IN7125

**6975-95**

Collected: 8/7/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.8	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		1292	umho/cm			IN7125



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**MW94**  
**C404-95**  
**7041-95**

**C-404 Landfill Monitoring 1995**

Collected: 8/15/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		16.78	ft			
Dissolved Oxygen		3.36	mg/L			
pH		5.8	Std Unit			
Temperature		60	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			IN7105
<b>PHYSC</b>						
Specific Conductivity (PIP)		1370	umho/cm			IN7125
<b>RADS</b>						
Technetium-99		367	pCi/L	19		R-46

**7042-95**

Collected: 8/15/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.8	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		1370	umho/cm			IN7125

**7043-95**

Collected: 8/15/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.8	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		1370	umho/cm			IN7125

**7044-95**

Collected: 8/15/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.8	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		1360	umho/cm			IN7125

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**MW94**  
**C404-95**  
**7669-95**

**C-404 Landfill Monitoring 1995**

Collected: 10/25/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		17.24	ft			
Dissolved Oxygen		2.45	mg/L			
pH		5.7	Std Unit			
Temperature		60	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			IN7105
<b>PHYSC</b>						
Specific Conductivity (PIP)		1340	umho/cm			IN7125
<b>RADS</b>						
Technetium-99		539	pCi/L	23		RL-7100

**7670-95**

Collected: 10/25/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.7	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		1350	umho/cm			IN7125

**7671-95**

Collected: 10/25/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.7	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		1350	umho/cm			IN7125

**7672-95**

Collected: 10/25/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.7	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		1350	umho/cm			IN7125

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**MW94**  
**C404-95**  
**7736-95**

**C-404 Landfill Monitoring 1995**

Collected: 11/1/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		17.22	ft			
Dissolved Oxygen		2.84	mg/L			
pH		5.7	Std Unit			
Temperature		61	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			IN7105
<b>PHYSC</b>						
Specific Conductivity (PIP)		1320	umho/cm			IN7125
<b>RADS</b>						
Technetium-99		409	pCi/L	20		RL-7100

**7737-95**

Collected: 11/1/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.7	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		1320	umho/cm			IN7125

**7738-95**

Collected: 11/1/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.7	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		1320	umho/cm			IN7125

**7739-95**

Collected: 11/1/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.7	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		1320	umho/cm			IN7125

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**MW94**  
**C404-95**  
**7804-95**

**C-404 Landfill Monitoring 1995**

Collected: 11/8/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		17.78	ft			
Dissolved Oxygen		3.55	mg/L			
pH		5.7	Std Unit			
Temperature		60	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			IN7105
<b>PHYSC</b>						
Specific Conductivity (PIP)		1271	umho/cm			IN7125
<b>RADS</b>						
Technetium-99		348	pCi/L	19		RL-7100

**7805-95**

Collected: 11/8/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.7	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		1271	umho/cm			IN7125

**7806-95**

Collected: 11/8/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.7	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		1271	umho/cm			IN7125

**7807-95**

Collected: 11/8/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.7	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		1272	umho/cm			IN7125

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**MW94**  
**C404-95**  
**7872-95**

**C-404 Landfill Monitoring 1995**

Collected: 11/13/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		17.44	ft			
Dissolved Oxygen		11.18	mg/L			
pH		5.7	Std Unit			
Temperature		60	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			IN7105
<b>PHYSC</b>						
Specific Conductivity (PIP)		1272	umho/cm			IN7125
<b>RADS</b>						
Technetium-99		291	pCi/L	18		RL-7100

**7873-95**

Collected: 11/13/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.7	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		1273	umho/cm			IN7125

**7874-95**

Collected: 11/13/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.7	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		1271	umho/cm			IN7125

**7875-95**

Collected: 11/13/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.7	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		1270	umho/cm			IN7125

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## MW95

### C404-95

### C-404 Landfill Monitoring 1995

#### 5040-95

Collected: 1/18/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		51.98	ft			
Dissolved Oxygen		1.1	mg/L			
pH		6.1	Std Unit			
Temperature		59	deg F			
<b>METAL</b>						
Cadmium	U	0.002	mg/L			SW846-6010
Chromium	U	0.01	mg/L			SW846-6010
Lead	U	0.004	mg/L			SW846-7421
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
Uranium	U	0.001	mg/L			SA-U-8
<b>METAL-D</b>						
Cadmium	U	0.002	mg/L			SW846-6010
Chromium	U	0.01	mg/L			SW846-6010
Lead	U	0.004	mg/L			SW846-7421
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
<b>PHYSC</b>						
Specific Conductivity (PIP)		211	umho/cm			SA-COND-1
<b>RADS</b>						
Alpha activity	U	1000	pCi/L			R
Beta activity	U	1000	pCi/L			R
Technetium-99		8	pCi/L	19		R-46
<b>VOA</b>						
Trichloroethene	U	0.001	mg/L			EPA-624

#### 5041-95

Collected: 1/18/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.1	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		211	umho/cm			SA-COND-1

#### 5042-95

Collected: 1/18/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.1	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		211	umho/cm			SA-COND-1

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**MW95**

**C404-95**

**C-404 Landfill Monitoring 1995**

**5043-95**

Collected: 1/18/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.1	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		211	umho/cm			SA-COND-1

**5105-95**

Collected: 1/23/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		52.07	ft			
Dissolved Oxygen		1.24	mg/L			
pH		6.1	Std Unit			
Temperature		58	deg F			
<b>METAL</b>						
Cadmium	U	0.002	mg/L			SW846-6010
Chromium	U	0.01	mg/L			SW846-6010
Lead	U	0.004	mg/L			SW846-7421
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
Uranium	U	0.001	mg/L			SA-U-8
<b>METAL-D</b>						
Cadmium	U	0.002	mg/L			SW846-6010
Chromium	U	0.01	mg/L			SW846-6010
Lead	U	0.004	mg/L			SW846-7421
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
<b>PHYSC</b>						
Specific Conductivity (PIP)		211	umho/cm			SA-COND-1
<b>RADS</b>						
Alpha activity	U	1000	pCi/L			R
Beta activity	U	1000	pCi/L			R
Technetium-99		13	pCi/L	19		R-46
<b>VOA</b>						
Trichloroethene	UX	0.001	mg/L			SW846-8260

**5106-95**

Collected: 1/23/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.1	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		211	umho/cm			SA-COND-1

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**MW95**

**C404-95**

**C-404 Landfill Monitoring 1995**

**5107-95**

Collected: 1/23/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.1	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		211	umho/cm			SA-COND-1

**5108-95**

Collected: 1/23/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.1	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		211	umho/cm			SA-COND-1

**5171-95**

Collected: 2/6/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		51.58	ft			
Dissolved Oxygen		0.33	mg/L			
pH		6	Std Unit			
Temperature		59	deg F			
<b>METAL</b>						
Cadmium	U	0.002	mg/L			SW846-6010
Chromium	U	0.01	mg/L			SW846-6010
Lead	U	0.004	mg/L			SW846-7421
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
Uranium	U	0.001	mg/L			SA-U-8
<b>METAL-D</b>						
Cadmium	U	0.002	mg/L			SW846-6010
Chromium	U	0.01	mg/L			SW846-6010
Lead	U	0.004	mg/L			SW846-7421
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
<b>PHYSC</b>						
Specific Conductivity (PIP)		211	umho/cm			SA-COND-1
<b>RADS</b>						
Alpha activity	U	1000	pCi/L			R
Beta activity	U	1000	pCi/L			R
Technetium-99		1	pCi/L	5		R-46
<b>VOA</b>						
Trichloroethene	UXJ	0.001	mg/L			SW846-8260



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## MW95

### C404-95

### C-404 Landfill Monitoring 1995

#### 5172-95

Collected: 2/6/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		211	umho/cm			SA-COND-1

#### 5173-95

Collected: 2/6/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		211	umho/cm			SA-COND-1

#### 5174-95

Collected: 2/6/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		211	umho/cm			SA-COND-1

**MW95**

**C404-95**

**C-404 Landfill Monitoring 1995**

**5236-95**

Collected: 2/13/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		51.9	ft			
Dissolved Oxygen		1.99	mg/L			
pH		6	Std Unit			
Temperature		59	deg F			
<b>METAL</b>						
Cadmium	U	0.002	mg/L			SW846-6010
Chromium	U	0.01	mg/L			SW846-6010
Lead	U	0.004	mg/L			SW846-7421
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
Uranium	U	0.001	mg/L			SA-U-8
<b>METAL-D</b>						
Cadmium	U	0.002	mg/L			SW846-6010
Chromium	U	0.01	mg/L			SW846-6010
Lead	U	0.004	mg/L			SW846-7421
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
<b>PHYSC</b>						
Specific Conductivity (PIP)		212	umho/cm			SA-COND-1
<b>RADS</b>						
Alpha activity	U	1000	pCi/L			R
Beta activity	U	1000	pCi/L			R
Technetium-99		12	pCi/L	34		R-46
<b>VOA</b>						
Trichloroethene	UX	0.001	mg/L			SW846-8260

**5237-95**

Collected: 2/13/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		212	umho/cm			SA-COND-1

**5238-95**

Collected: 2/13/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		212	umho/cm			SA-COND-1

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**MW95**  
**C404-95**  
**5239-95**

## C-404 Landfill Monitoring 1995

Collected: 2/13/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		212	umho/cm			SA-COND-1

**5746-95**

Collected: 4/17/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		49.61	ft			
Dissolved Oxygen		0.91	mg/L			
pH		5.9	Std Unit			
Temperature		61	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			SA-U-8
<b>PHYSC</b>						
Specific Conductivity (PIP)		212	umho/cm			SA-COND-1
<b>RADS</b>						
Technetium-99		10	pCi/L	41		R-46

**5747-95**

Collected: 4/17/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		212	umho/cm			SA-COND-1

**5748-95**

Collected: 4/17/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		212	umho/cm			SA-COND-1

**5749-95**

Collected: 4/17/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		212	umho/cm			SA-COND-1

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**MW95**  
**C404-95**  
**5808-95**

**C-404 Landfill Monitoring 1995**

Collected: 4/24/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		49.68	ft			
Dissolved Oxygen		1.18	mg/L			
pH		6	Std Unit			
Temperature		59	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			SA-U-8
<b>PHYSC</b>						
Specific Conductivity (PIP)		212	umho/cm			SA-COND-1
<b>RADS</b>						
Technetium-99		10	pCi/L	20		R-46

**5809-95**

Collected: 4/24/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		212	umho/cm			SA-COND-1

**5810-95**

Collected: 4/24/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		212	umho/cm			SA-COND-1

**5811-95**

Collected: 4/24/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		213	umho/cm			SA-COND-1

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**MW95**  
**C404-95**  
**5873-95**

**C-404 Landfill Monitoring 1995**

Collected: 5/2/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		49.45	ft			
Dissolved Oxygen		0.63	mg/L			
pH		5.9	Std Unit			
Temperature		60	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			SA-U-8
<b>PHYSC</b>						
Specific Conductivity (PIP)		213	umho/cm			SA-COND-1
<b>RADS</b>						
Technetium-99		0	pCi/L	0		R-46

**5874-95**

Collected: 5/2/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		213	umho/cm			SA-COND-1

**5875-95**

Collected: 5/2/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		214	umho/cm			SA-COND-1

**5876-95**

Collected: 5/2/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		212	umho/cm			SA-COND-1

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**MW95**  
**C404-95**  
**5938-95**

## C-404 Landfill Monitoring 1995

Collected: 5/8/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		49.29	ft			
Dissolved Oxygen		0.42	mg/L			
pH		5.7	Std Unit			
Temperature		61	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			SA-U-8
<b>PHYSC</b>						
Specific Conductivity (PIP)		212	umho/cm			SA-COND-1
<b>RADS</b>						
Technetium-99		0	pCi/L	0		R-46

**5939-95**

Collected: 5/8/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.7	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		214	umho/cm			SA-COND-1

**5940-95**

Collected: 5/8/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.7	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		212	umho/cm			SA-COND-1

**5941-95**

Collected: 5/8/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.7	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		212	umho/cm			SA-COND-1

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## MW95

### C404-95

### C-404 Landfill Monitoring 1995

#### 6838-95

Collected: 7/17/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		46.64	ft			
Dissolved Oxygen		2.08	mg/L			
pH		5.9	Std Unit			
Temperature		61	deg F			
<b>METAL</b>						
Cadmium	U	0.01	mg/L			SW846-6010
Chromium	U	0.05	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
Uranium	U	0.001	mg/L			IN7105
<b>PHYSC</b>						
Specific Conductivity (PIP)		211	umho/cm			IN7125
<b>RADS</b>						
Alpha activity	U	1000	pCi/L			R-56
Beta activity	U	1000	pCi/L			R-56
Technetium-99		5	pCi/L	10		R-46
<b>VOA</b>						
Trichloroethene	XU	0.001	mg/L			SW846-8260

#### 6839-95

Collected: 7/17/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		211	umho/cm			IN7125

#### 6840-95

Collected: 7/17/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		211	umho/cm			IN7125

#### 6841-95

Collected: 7/17/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		212	umho/cm			IN7125

**MW95**  
**C404-95**  
**6907-95**

**C-404 Landfill Monitoring 1995**

Collected: 7/24/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		46.69	ft			
Dissolved Oxygen		1.35	mg/L			
pH		5.9	Std Unit			
Temperature		60	deg F			
<b>METAL</b>						
Cadmium	U	0.01	mg/L			SW846-6010
Chromium	U	0.05	mg/L			SW846-6010
Mercury	BU	0.002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
Uranium	U	0.001	mg/L			IN7105
<b>PHYSC</b>						
Specific Conductivity (PIP)		212	umho/cm			IN7125
<b>RADS</b>						
Technetium-99		16	pCi/L	11		R-46
Uranium-234		1.5	pCi/L			TIMS-3
Uranium-235		0.09	pCi/L			TIMS-3
Uranium-235		0.426	wt %			TIMS-3
Uranium-238		3.35	pCi/L			TIMS-3
<b>VOA</b>						
Trichloroethene	U	0.001	mg/L			SW846-8260

**6908-95**

Collected: 7/24/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		212	umho/cm			IN7125

**6909-95**

Collected: 7/24/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		212	umho/cm			IN7125

**6910-95**

Collected: 7/24/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		212	umho/cm			IN7125



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**MW95**  
**C404-95**  
**6976-95**

**C-404 Landfill Monitoring 1995**

Collected: 8/7/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		46.91	ft			
Dissolved Oxygen		0.68	mg/L			
pH		6	Std Unit			
Temperature		61	deg F			
<b>METAL</b>						
Uranium		0.09	mg/L			TIMS-3
<b>RADS</b>						
Technetium-99		7	pCi/L	10		R-46
Uranium-234		1.54	pCi/L			TIMS-3
Uranium-238		3.35	pCi/L			TIMS-3

**6977-95**

Collected: 8/7/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		214	umho/cm			IN7125

**6978-95**

Collected: 8/7/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		214	umho/cm			IN7125

**6979-95**

Collected: 8/7/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		213	umho/cm			IN7125

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**MW95**

**C404-95**

**C-404 Landfill Monitoring 1995**

**7045-95**

Collected: 8/15/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		47.14	ft			
Dissolved Oxygen		1.06	mg/L			
pH		6	Std Unit			
Temperature		61	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			IN7105
<b>PHYSC</b>						
Specific Conductivity (PIP)		216	umho/cm			IN7125
<b>RADS</b>						
Technetium-99		10	pCi/L	10		R-46

**7046-95**

Collected: 8/15/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		215	umho/cm			IN7125

**7047-95**

Collected: 8/15/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		215	umho/cm			IN7125

**7048-95**

Collected: 8/15/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		215	umho/cm			IN7125

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**MW95**  
**C404-95**  
**7673-95**

**C-404 Landfill Monitoring 1995**

Collected: 10/25/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		50.25	ft			
Dissolved Oxygen		0.39	mg/L			
pH		5.9	Std Unit			
Temperature		60	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			IN7105
<b>PHYSC</b>						
Specific Conductivity (PIP)		215	umho/cm			IN7125
<b>RADS</b>						
Technetium-99		0	pCi/L	0		RL-7100

**7674-95**

Collected: 10/25/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		215	umho/cm			IN7125

**7675-95**

Collected: 10/25/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		214	umho/cm			IN7125

**7676-95**

Collected: 10/25/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		215	umho/cm			IN7125

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**MW95**

**C404-95**

**C-404 Landfill Monitoring 1995**

**7740-95**

Collected: 11/1/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		50.5	ft			
Dissolved Oxygen		0.6	mg/L			
pH		5.9	Std Unit			
Temperature		60	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			IN7105
<b>PHYSC</b>						
Specific Conductivity (PIP)		214	umho/cm			IN7125
<b>RADS</b>						
Technetium-99		9	pCi/L	10		RL-7100

**7741-95**

Collected: 11/1/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		214	umho/cm			IN7125

**7742-95**

Collected: 11/1/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		214	umho/cm			IN7125

**7743-95**

Collected: 11/1/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		214	umho/cm			IN7125

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## MW95

### C404-95

### C-404 Landfill Monitoring 1995

#### 7808-95

Collected: 11/6/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		50.74	ft			
Dissolved Oxygen		1.3	mg/L			
pH		6.1	Std Unit			
Temperature		59	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			IN7105
<b>PHYSC</b>						
Specific Conductivity (PIP)		214	umho/cm			IN7125
<b>RADS</b>						
Technetium-99		0	pCi/L	9		RL-7100

#### 7809-95

Collected: 11/6/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.1	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		214	umho/cm			IN7125

#### 7810-95

Collected: 11/6/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.1	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		214	umho/cm			IN7125

#### 7811-95

Collected: 11/6/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.1	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		214	umho/cm			IN7125

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**MW95**  
**C404-95**  
**7876-95**

**C-404 Landfill Monitoring 1995**

Collected: 11/13/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		50.96	ft			
Dissolved Oxygen		0.59	mg/L			
pH		5.8	Std Unit			
Temperature		59	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			IN7105
<b>PHYSC</b>						
Specific Conductivity (PIP)		214	umho/cm			IN7125
<b>RADS</b>						
Technetium-99		15	pCi/L	10		RL-7100

**7877-95**

Collected: 11/13/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.8	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		214	umho/cm			IN7125

**7878-95**

Collected: 11/13/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.8	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		214	umho/cm			IN7125

**7879-95**

Collected: 11/13/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.8	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		214	umho/cm			IN7125

**MW95**

**C404-95**

**C-404 Landfill Monitoring 1995**

**5256-95**

Collected: 2/13/1995

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		51.9	ft			
Dissolved Oxygen		1.99	mg/L			
pH		6	Std Unit			
Temperature		59	deg F			
<b>METAL</b>						
Cadmium	U	0.002	mg/L			SW846-6010
Chromium	U	0.01	mg/L			SW846-6010
Lead	U	0.004	mg/L			SW846-7421
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
Uranium	U	0.001	mg/L			SA-U-8
<b>METAL-D</b>						
Cadmium	U	0.002	mg/L			SW846-6010
Chromium	U	0.01	mg/L			SW846-6010
Lead	U	0.004	mg/L			SW846-7421
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
<b>PHYSC</b>						
Specific Conductivity (PIP)		212	umho/cm			SA-COND-1
<b>RADS</b>						
Technetium-99		12	pCi/L	18		R-46
<b>VOA</b>						
Trichloroethene	U	0.001	mg/L			SW846-8260

**5257-95**

Collected: 2/13/1995

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		212	umho/cm			SA-COND-1

**5258-95**

Collected: 2/13/1995

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		212	umho/cm			SA-COND-1

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**MW95**  
**C404-95**  
**5259-95**

## C-404 Landfill Monitoring 1995

Collected: 2/13/1995

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		212	umho/cm			SA-COND-1

**5758-95**

Collected: 4/17/1995

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		49.61	ft			
Dissolved Oxygen		0.91	mg/L			
pH		5.9	Std Unit			
Temperature		61	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			SA-U-8
<b>PHYSC</b>						
Specific Conductivity (PIP)		213	umho/cm			SA-COND-1
<b>RADS</b>						
Technetium-99		10	pCi/L	7		R-46

**5759-95**

Collected: 4/17/1995

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		211	umho/cm			SA-COND-1

**5760-95**

Collected: 4/17/1995

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		213	umho/cm			SA-COND-1

**5761-95**

Collected: 4/17/1995

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		212	umho/cm			SA-COND-1



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**MW95**

**C404-95**

**C-404 Landfill Monitoring 1995**

**6850-95**

Collected: 7/17/1995

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		46.64	ft			
Dissolved Oxygen		2.08	mg/L			
pH		5.9	Std Unit			
Temperature		61	deg F			
<b>METAL</b>						
Cadmium	U	0.01	mg/L			SW846-6010
Chromium	U	0.05	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
Uranium	U	0.001	mg/L			IN7105
<b>PHYSC</b>						
Specific Conductivity (PIP)		213	umho/cm			IN7125
<b>RADS</b>						
Alpha activity	U	1000	pCi/L			R-56
Beta activity	U	1000	pCi/L			R-56
Technetium-99		12	pCi/L	10		R-46
<b>VOA</b>						
Trichloroethene	XU	0.001	mg/L			SW846-8260

**6851-95**

Collected: 7/17/1995

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		213	umho/cm			IN7125

**6852-95**

Collected: 7/17/1995

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		213	umho/cm			IN7125

**6853-95**

Collected: 7/17/1995

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		213	umho/cm			IN7125

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**MW95**  
**C404-95**  
**7888-95**

## C-404 Landfill Monitoring 1995

Collected: 11/13/1995

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		50.96	ft			
Dissolved Oxygen		0.59	mg/L			
pH		5.8	Std Unit			
Temperature		59	deg F			
<b>METAL-D</b>						
Uranium	U	0.001	mg/L			IN7105
<b>PHYSC</b>						
Specific Conductivity (PIP)		214	umho/cm			IN7125
<b>RADS</b>						
Technetium-99		2	pCi/L	10		RL-7100

**7889-95**

Collected: 11/13/1995

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.8	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		213	umho/cm			IN7125

**7890-95**

Collected: 11/13/1995

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.8	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		213	umho/cm			IN7125

**7891-95**

Collected: 11/13/1995

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.8	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		213	umho/cm			IN7125

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MW226

C404-96

C-404 Landfill Monitoring 1996

5995-96

Collected: 7/10/1996

Media Type: WG

Sample Type: REG2

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		48.27	ft			
Dissolved Oxygen		0.48	mg/L			
pH		5.9	Std Unit			
Specific Conductivity (PIP)		295	umho/cm			
Temperature		65	deg F			
<b>METAL</b>						
Cadmium	BU	0.005	mg/L			SW846-7131
Chromium		0.139	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
Uranium	U	0.001	mg/L			IN7105
<b>METAL-D</b>						
Chromium	U	0.05	mg/L			SW846-6010
<b>RADS</b>						
Technetium-99		65	pCi/L	13		RL-7100
Uranium	U	0.01	ppm			TIMS-3
<b>VOA</b>						
Trichloroethene		0.02	mg/L			SW846-8260

5057-96

Collected: 1/22/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		53.45	ft			
Dissolved Oxygen		0.35	mg/L			
pH		5.9	Std Unit			
Temperature		59	deg F			
<b>METAL</b>						
Cadmium	U	0.005	mg/L			SW846-7131
Chromium	BU	0.03	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
Uranium	U	0.001	mg/L			IN7105
<b>PHYSC</b>						
Specific Conductivity (PIP)		276	umho/cm			IN7125
<b>RADS</b>						
Technetium-99		42	pCi/L	12		RL-7100
Uranium	U	0.01	ppm			TIMS-3
<b>VOA</b>						
Trichloroethene		0.02	mg/L			SW846-8260

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## MW226

### C404-96

### C-404 Landfill Monitoring 1996

#### 5058-96

Collected: 1/22/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		277	umho/cm			IN7125

#### 5059-96

Collected: 1/22/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		277	umho/cm			IN7125

#### 5060-96

Collected: 1/22/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		278	umho/cm			IN7125

#### 5898-96

Collected: 5/17/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		51.25	ft			
Dissolved Oxygen		1.46	mg/L			
pH		5.9	Std Unit			
Specific Conductivity (PIP)		276	umho/cm			
Temperature		69	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			IN7105
<b>RADS</b>						
Technetium-99		59	pCi/L	12		RL-7100

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## MW227

### C404-96

### C-404 Landfill Monitoring 1996

#### 5061-96

Collected: 1/22/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		53.81	ft			
Dissolved Oxygen		2.07	mg/L			
pH		6	Std Unit			
Temperature		59	deg F			
<b>METAL</b>						
Cadmium	U	0.005	mg/L			SW846-7131
Chromium	BU	0.03	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
Uranium	U	0.001	mg/L			IN7105
<b>PHYSC</b>						
Specific Conductivity (PIP)		248	umho/cm			IN7125
<b>RADS</b>						
Technetium-99		3	pCi/L	10		RL-7100
Uranium		0.02	ppm			TIMS-3
Uranium-234		2.9	pCi/L			TIMS-4
Uranium-235		0.42	wt %			TIMS-3
Uranium-235		0.18	pCi/L			TIMS-4
Uranium-238		6.69	pCi/L			TIMS-4
<b>VOA</b>						
Trichloroethene		0.004	mg/L			SW846-8260

#### 5062-96

Collected: 1/22/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		247	umho/cm			IN7125

#### 5063-96

Collected: 1/22/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		247	umho/cm			IN7125

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**MW227**

**C404-96**

**C-404 Landfill Monitoring 1996**

**5064-96**

Collected: 1/22/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		247	umho/cm			IN7125

**5899-96**

Collected: 5/17/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		51.39	ft			
Dissolved Oxygen		1.71	mg/L			
pH		5.9	Std Unit			
Specific Conductivity (PIP)		232	umho/cm			
Temperature		66	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			IN7105
<b>RADS</b>						
Technetium-99		10	pCi/L	11		RL-7100

**5996-96**

Collected: 7/9/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		48.24	ft			
Dissolved Oxygen		1.06	mg/L			
pH		5.9	Std Unit			
Specific Conductivity (PIP)		242	umho/cm			
Temperature		65	deg F			
<b>METAL</b>						
Cadmium	BU	0.005	mg/L			SW846-7131
Chromium	U	0.05	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
Uranium	U	0.001	mg/L			IN7105
<b>RADS</b>						
Technetium-99		7	pCi/L	11		RL-7100
Uranium	U	0.01	ppm			TIMS-3
<b>VOA</b>						
Trichloroethene		0.005	mg/L			SW846-8260

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**MW227**

**C404-96**

**C-404 Landfill Monitoring 1996**

**5065-96**

Collected: 1/22/1996

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		53.81	ft			
Dissolved Oxygen		2.07	mg/L			
pH		6	Std Unit			
Temperature		59	deg F			
<b>METAL</b>						
Cadmium	U	0.005	mg/L			SW846-7131
Chromium	BU	0.03	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
Uranium	U	0.001	mg/L			IN7105
<b>PHYSC</b>						
Specific Conductivity (PIP)		243	umho/cm			IN7125
<b>RADS</b>						
Technetium-99		4	pCi/L	10		RL-7100
Uranium	U	0.01	ppm			TIMS-3
<b>VOA</b>						
Trichloroethene		0.004	mg/L			SW846-8260

**5066-96**

Collected: 1/22/1996

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		243	umho/cm			IN7125

**5067-96**

Collected: 1/22/1996

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		243	umho/cm			IN7125

**5068-96**

Collected: 1/22/1996

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		244	umho/cm			IN7125

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**MW84**  
**C404-96**  
**5009-96**

## C-404 Landfill Monitoring 1996

Collected: 1/11/1996                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		50.88	ft			
Dissolved Oxygen		1.12	mg/L			
pH		6.3	Std Unit			
Temperature		60	deg F			
<b>METAL</b>						
Cadmium	U	0.005	mg/L			SW846-7131
Chromium	BU	0.03	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
Uranium	U	0.001	mg/L			IN7105
<b>PHYSC</b>						
Specific Conductivity (PIP)		208	umho/cm			IN7125
<b>RADS</b>						
Technetium-99		90	pCi/L	13		RL-7100
Uranium	U	0.01	ppm			TIMS-3
<b>VOA</b>						
Trichloroethene	U	0.001	mg/L			SW846-8260

**5010-96**

Collected: 1/17/1996                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.3	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		209	umho/cm			IN7125

**5011-96**

Collected: 1/17/1996                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.2	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		209	umho/cm			IN7125

**5012-96**

Collected: 1/17/1996                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.2	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		209	umho/cm			IN7125



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**MW84**

**C404-96**

## C-404 Landfill Monitoring 1996

**5886-96**

Collected: 5/16/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		48.79	ft			
Dissolved Oxygen		1.26	mg/L			
pH		6.1	Std Unit			
Specific Conductivity (PIP)		203	umho/cm			
Temperature		63	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			IN7105
<b>RADS</b>						
Technetium-99		0	pCi/L	0		RL-7100

**5983-96**

Collected: 7/8/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		45.4	ft			
Dissolved Oxygen		1.4	mg/L			
pH		5.6	Std Unit			
Specific Conductivity (PIP)		200	umho/cm			
Temperature		66	deg F			
<b>METAL</b>						
Cadmium	BU	0.005	mg/L			SW846-7131
Chromium	U	0.05	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
Uranium	U	0.001	mg/L			IN7105
<b>RADS</b>						
Alpha activity		20	pCi/L			RL-7119
Beta activity		30	pCi/L			RL-7119
Technetium-99		0	pCi/L	0		RL-7100
Uranium	U	0.01	ppm			TIMS-3
<b>VOA</b>						
Trichloroethene	UX	0.001	mg/L			SW846-8260

**5900-96**

Collected: 5/16/1996

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		48.79	ft			
Dissolved Oxygen		1.26	mg/L			
pH		6.1	Std Unit			
Specific Conductivity (PIP)		203	umho/cm			
Temperature		63	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			IN7105
<b>RADS</b>						
Technetium-99		6	pCi/L	10		RL-7100

**MW84**  
**C404-96**  
**6000-96**

**C-404 Landfill Monitoring 1996**

Collected: 7/8/1996

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		45.4	ft			
Dissolved Oxygen		1.4	mg/L			
pH		5.6	Std Unit			
Specific Conductivity (PIP)		200	umho/cm			
Temperature		66	deg F			
<b>METAL</b>						
Cadmium	BU	0.005	mg/L			SW846-7131
Chromium	U	0.05	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
Uranium	U	0.001	mg/L			IN7105
<b>RADS</b>						
Alpha activity		20	pCi/L			RL-7119
Beta activity		-20	pCi/L			RL-7119
Technetium-99		6	pCi/L	11		RL-7100
Uranium	U	0.01	ppm			TIMS-3
<b>VOA</b>						
Trichloroethene		0.001	mg/L			SW846-8260

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**MW85**

**C404-96**

**C-404 Landfill Monitoring 1996**

**5496-96**

Collected: 2/19/1996

Media Type: WG

Sample Type: REG2

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		15.85	ft			
Dissolved Oxygen		9.27	mg/L			
pH		6.3	Std Unit			
Temperature		59	deg F			
<b>METAL</b>						
Arsenic		0.006	mg/L			SW846-7060
Cadmium	U	0.005	mg/L			SW846-7131
Chromium	U	0.03	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
Uranium	U	0.001	mg/L			IN7105
<b>PHYSC</b>						
Specific Conductivity (PIP)		385	umho/cm			IN7125
<b>RADS</b>						
Technetium-99		348	pCi/L	20		RL-7100
Uranium	U	0.01	ppm			TIMS-3
<b>VOA</b>						
Trichloroethene		0.01	mg/L			SW846-8260

**5497-96**

Collected: 2/19/1996

Media Type: WG

Sample Type: REG2

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.3	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		374	umho/cm			IN7125

**5498-96**

Collected: 2/19/1996

Media Type: WG

Sample Type: REG2

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.3	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		374	umho/cm			IN7125

**5499-96**

Collected: 2/19/1996

Media Type: WG

Sample Type: REG2

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.3	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		379	umho/cm			IN7125

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## MW85

### C404-96

### C-404 Landfill Monitoring 1996

#### 5013-96

Collected: 1/30/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		16.51	ft			

#### 5887-96

Collected: 5/16/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		14.97	ft			
Dissolved Oxygen		7.04	mg/L			
pH		6.5	Std Unit			
Specific Conductivity (PIP)		350	umho/cm			
Temperature		64	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			IN7105
<b>RADS</b>						
Technetium-99		386	pCi/L	20		RL-7100

#### 5984-96

Collected: 7/8/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		14.8	ft			
Dissolved Oxygen		8.23	mg/L			
pH		6	Std Unit			
Specific Conductivity (PIP)		325	umho/cm			
Temperature		66	deg F			
<b>METAL</b>						
Cadmium	BU	0.005	mg/L			SW846-7131
Chromium	U	0.05	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
Uranium	U	0.001	mg/L			IN7105
<b>RADS</b>						
Alpha activity		10	pCi/L			RL-7119
Beta activity		190	pCi/L			RL-7119
Technetium-99		376	pCi/L	20		RL-7100
Uranium	U	0.01	ppm			TIMS-3
<b>VOA</b>						
Trichloroethene		0.045	mg/L			SW846-8260

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**MW86**  
**C404-96**  
**5017-96**

**C-404 Landfill Monitoring 1996**

Collected: 1/11/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		50.76	ft			
Dissolved Oxygen		0.53	mg/L			
pH		6.1	Std Unit			
Temperature		15.4	deg F			
<b>METAL</b>						
Cadmium	U	0.005	mg/L			SW846-7131
Chromium	BU	0.03	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
Uranium	U	0.001	mg/L			IN7105
<b>PHYSC</b>						
Specific Conductivity (PIP)		218	umho/cm			IN7125
<b>RADS</b>						
Technetium-99		0	pCi/L	0		RL-7100
Uranium	U	0.01	ppm			TIMS-3
<b>VOA</b>						
Trichloroethene	U	0.001	mg/L			SW846-8260

**5018-96**

Collected: 1/17/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.1	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		216	umho/cm			IN7125

**5019-96**

Collected: 1/17/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.1	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		217	umho/cm			IN7125

**5020-96**

Collected: 1/17/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.1	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		217	umho/cm			IN7125

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**MW86**  
**C404-96**  
**5888-96**

**C-404 Landfill Monitoring 1996**

Collected: 5/16/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		48.72	ft			
Dissolved Oxygen		2.98	mg/L			
pH		6.4	Std Unit			
Specific Conductivity (PIP)		214	umho/cm			
Temperature		65	deg F			
<b>METAL</b>						
Uranium		0.003	mg/L			IN7105
<b>RADS</b>						
Technetium-99		0	pCi/L	0		RL-7100
Uranium-234		1.37	pCi/L			TIMS-3
Uranium-235		0.1	pCi/L			TIMS-3
Uranium-238		5.02	pCi/L			TIMS-3

**5985-96**

Collected: 7/9/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		45.59	ft			
Dissolved Oxygen		1.3	mg/L			
pH		5.9	Std Unit			
Specific Conductivity (PIP)		210	umho/cm			
Temperature		68	deg F			
<b>METAL</b>						
Cadmium	BU	0.005	mg/L			SW846-7131
Chromium	U	0.05	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
Uranium		0.002	mg/L			IN7105
<b>RADS</b>						
Technetium-99		0	pCi/L	0		RL-7100
Uranium	U	0.01	ppm			TIMS-3
<b>VOA</b>						
Trichloroethene	U	0.001	mg/L			SW846-8260

**MW87**

**C404-96**

**C-404 Landfill Monitoring 1996**

**5021-96**

Collected: 1/11/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		50.79	ft			
Dissolved Oxygen		1.42	mg/L			
pH		6.1	Std Unit			
Temperature		60	deg F			
<b>METAL</b>						
Cadmium	U	0.005	mg/L			SW846-7131
Chromium	BU	0.03	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
Uranium	U	0.001	mg/L			IN7105
<b>PHYSC</b>						
Specific Conductivity (PIP)		224	umho/cm			IN7125
<b>RADS</b>						
Technetium-99		0	pCi/L	0		RL-7100
Uranium	U	0.01	ppm			TIMS-3
<b>VOA</b>						
Trichloroethene	U	0.001	mg/L			SW846-8260

**5022-96**

Collected: 1/17/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.1	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		225	umho/cm			IN7125

**5023-96**

Collected: 1/17/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.1	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		224	umho/cm			IN7125

**5024-96**

Collected: 1/17/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.1	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		224	umho/cm			IN7125

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MW87

C404-96

C-404 Landfill Monitoring 1996

5889-96

Collected: 5/16/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		48.59	ft			
Dissolved Oxygen		2.31	mg/L			
pH		6.3	Std Unit			
Specific Conductivity (PIP)		247	umho/cm			
Temperature		65	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			IN7105
<b>RADS</b>						
Technetium-99		2	pCi/L	10		RL-7100

5986-96

Collected: 7/8/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		45.24	ft			
Dissolved Oxygen		1.77	mg/L			
pH		5.8	Std Unit			
Specific Conductivity (PIP)		249	umho/cm			
Temperature		67	deg F			
<b>METAL</b>						
Cadmium	BU	0.005	mg/L			SW846-7131
Chromium	U	0.05	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
Uranium	U	0.001	mg/L			IN7105
<b>RADS</b>						
Alpha activity		10	pCi/L			RL-7119
Beta activity		10	pCi/L			RL-7119
Technetium-99		3	pCi/L	10		RL-7100
Uranium	U	0.01	ppm			TIMS-3
<b>VOA</b>						
Trichloroethene	U	0.001	mg/L			SW846-8260



**MW88**

**C404-96**

**C-404 Landfill Monitoring 1996**

**5025-96**

Collected: 1/30/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		15.98	ft			
Dissolved Oxygen		2.7	mg/L			
pH		5.6	Std Unit			
Temperature		60	deg F			
<b>METAL</b>						
Cadmium	U	0.005	mg/L			SW846-7131
Chromium	BU	0.03	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
Uranium	U	0.001	mg/L			IN7105
<b>PHYSC</b>						
Specific Conductivity (PIP)		573	umho/cm			IN7125
<b>RADS</b>						
Technetium-99		504	pCi/L	22		RL-7100
Uranium	U	0.01	ppm			TIMS-3
<b>VOA</b>						
Trichloroethene		1.8	mg/L			SW846-8260

**5026-96**

Collected: 1/30/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		573	umho/cm			IN7125

**5027-96**

Collected: 1/30/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		572	umho/cm			IN7125

**5028-96**

Collected: 1/30/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		571	umho/cm			IN7125

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MW88

C404-96

C-404 Landfill Monitoring 1996

5890-96

Collected: 5/17/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		15.11	ft			
Dissolved Oxygen		1.68	mg/L			
pH		5.8	Std Unit			
Specific Conductivity (PIP)		635	umho/cm			
Temperature		64	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			IN7105
<b>RADS</b>						
Technetium-99		215	pCi/L	16		RL-7100

5987-96

Collected: 7/8/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		14.5	ft			
Dissolved Oxygen		0.8	mg/L			
pH		5.4	Std Unit			
Specific Conductivity (PIP)		637	umho/cm			
Temperature		66	deg F			
<b>METAL</b>						
Cadmium	BU	0.005	mg/L			SW846-7131
Chromium	U	0.05	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
Uranium	U	0.001	mg/L			IN7105
<b>RADS</b>						
Alpha activity		30	pCi/L			RL-7119
Beta activity		90	pCi/L			RL-7119
Technetium-99		226	pCi/L	17		RL-7100
Uranium	U	0.01	ppm			TIMS-3
<b>VOA</b>						
Trichloroethene		0.2	mg/L			SW846-8260

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**MW89**

**C404-96**

## C-404 Landfill Monitoring 1996

**5029-96**

Collected: 1/18/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		50.26	ft			
Dissolved Oxygen		0.39	mg/L			
pH		5.9	Std Unit			
Temperature		60	deg F			
<b>METAL</b>						
Cadmium	U	0.005	mg/L			SW846-7131
Chromium	BU	0.03	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
Uranium	U	0.001	mg/L			IN7105
<b>PHYSC</b>						
Specific Conductivity (PIP)		215	umho/cm			IN7125
<b>RADS</b>						
Technetium-99		0	pCi/L	0		RL-7100
Uranium		0.02	ppm			TIMS-3
<b>VOA</b>						
Trichloroethene	U	0.001	mg/L			SW846-8260

**5030-96**

Collected: 1/18/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		215	umho/cm			IN7125

**5031-96**

Collected: 1/18/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		215	umho/cm			IN7125

**5032-96**

Collected: 1/18/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		216	umho/cm			IN7125

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**MW89**

**C404-96**

## C-404 Landfill Monitoring 1996

**5891-96**

Collected: 5/17/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		48.42	ft			
Dissolved Oxygen		2.17	mg/L			
pH		6	Std Unit			
Specific Conductivity (PIP)		190	umho/cm			
Temperature		65	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			IN7105
<b>RADS</b>						
Technetium-99		1	pCi/L	10		RL-7100

**5988-96**

Collected: 7/10/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		45.45	ft			
Dissolved Oxygen		1.24	mg/L			
pH		5.7	Std Unit			
Specific Conductivity (PIP)		186	umho/cm			
Temperature		66	deg F			
<b>METAL</b>						
Cadmium	BU	0.005	mg/L			SW846-7131
Chromium	U	0.05	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
Uranium	U	0.001	mg/L			IN7105
<b>RADS</b>						
Technetium-99		5	pCi/L	11		RL-7100
Uranium	U	0.01	ppm			TIMS-3
<b>VOA</b>						
Trichloroethene		0.002	mg/L			SW846-8260

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## MW90

### C404-96

### C-404 Landfill Monitoring 1996

#### 5033-96

Collected: 1/18/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		49.06	ft			
Dissolved Oxygen		2.91	mg/L			
pH		5.8	Std Unit			
Temperature		60	deg F			
<b>METAL</b>						
Cadmium	U	0.005	mg/L			SW846-7131
Chromium	BU	0.03	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
Uranium	U	0.001	mg/L			IN7105
<b>PHYSC</b>						
Specific Conductivity (PIP)		200	umho/cm			IN7125
<b>RADS</b>						
Technetium-99		10	pCi/L	10		RL-7100
Uranium		0.02	ppm			TIMS-3
<b>VOA</b>						
Trichloroethene	U	0.001	mg/L			SW846-8260

#### 5034-96

Collected: 1/18/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.8	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		200	umho/cm			IN7125

#### 5035-96

Collected: 1/18/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.8	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		200	umho/cm			IN7125

#### 5036-96

Collected: 1/18/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.8	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		200	umho/cm			IN7125

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**MW90**

**C404-96**

**C-404 Landfill Monitoring 1996**

**5892-96**

Collected: 5/17/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		47.12	ft			
Dissolved Oxygen		3.16	mg/L			
pH		6	Std Unit			
Specific Conductivity (PIP)		193	umho/cm			
Temperature		67	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			IN7105
<b>RADS</b>						
Technetium-99		4	pCi/L	10		RL-7100

**5989-96**

Collected: 7/9/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		44.01	ft			
Dissolved Oxygen		4.42	mg/L			
pH		5.8	Std Unit			
Specific Conductivity (PIP)		134.5	umho/cm			
Temperature		66	deg F			
<b>METAL</b>						
Cadmium	BU	0.005	mg/L			SW846-7131
Chromium	U	0.05	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
Uranium	U	0.001	mg/L			IN7105
<b>RADS</b>						
Alpha activity		20	pCi/L			RL-7119
Beta activity		10	pCi/L			RL-7119
Technetium-99		0	pCi/L	0		RL-7100
Uranium	U	0.01	ppm			TIMS-3
<b>VOA</b>						
Trichloroethene	U	0.001	mg/L			SW846-8260

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**MW91**

**C404-96**

**C-404 Landfill Monitoring 1996**

**5037-96**

Collected: 1/31/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		12.48	ft			
Dissolved Oxygen		4.68	mg/L			
pH		5.9	Std Unit			
Temperature		58	deg F			
<b>METAL</b>						
Cadmium	U	0.005	mg/L			SW846-7131
Chromium	B	0.064	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
Uranium	U	0.001	mg/L			IN7105
<b>METAL-D</b>						
Chromium	U	0.03	mg/L			SW846-6010
<b>PHYSC</b>						
Specific Conductivity (PIP)		296	umho/cm			IN7125
<b>RADS</b>						
Technetium-99		27	pCi/L	11		RL-7100
Uranium	U	0.01	ppm			TIMS-3
<b>VOA</b>						
Trichloroethene		0.042	mg/L			SW846-8260

**5038-96**

Collected: 1/31/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		295	umho/cm			IN7125

**5039-96**

Collected: 1/31/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		295	umho/cm			IN7125

**5040-96**

Collected: 1/31/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		294	umho/cm			IN7125

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**MW91**

**C404-96**

## C-404 Landfill Monitoring 1996

**5893-96**

Collected: 5/16/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		11.62	ft			
Dissolved Oxygen		4.9	mg/L			
pH		6	Std Unit			
Specific Conductivity (PIP)		508	umho/cm			
Temperature		66	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			IN7105
<b>RADS</b>						
Technetium-99		60	pCi/L	12		RL-7100

**5990-96**

Collected: 7/8/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		10.93	ft			
Dissolved Oxygen		1.99	mg/L			
pH		5.5	Std Unit			
Specific Conductivity (PIP)		528	umho/cm			
Temperature		65	deg F			
<b>METAL</b>						
Cadmium	BU	0.005	mg/L			SW846-7131
Chromium	U	0.05	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
Uranium	U	0.001	mg/L			IN7105
<b>RADS</b>						
Alpha activity		20	pCi/L			RL-7119
Beta activity		90	pCi/L			RL-7119
Technetium-99		54	pCi/L	12		RL-7100
Uranium	U	0.01	ppm			TIMS-3
<b>VOA</b>						
Trichloroethene		0.071	mg/L			SW846-8260



**MW92**

**C404-96**

**C-404 Landfill Monitoring 1996**

**5041-96**

Collected: 1/18/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		48.95	ft			
Dissolved Oxygen		0.79	mg/L			
pH		5.6	Std Unit			
Temperature		60	deg F			
<b>METAL</b>						
Cadmium	U	0.005	mg/L			SW846-7131
Chromium	BU	0.03	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
Uranium	U	0.001	mg/L			IN7105
<b>PHYSC</b>						
Specific Conductivity (PIP)		153	umho/cm			IN7125
<b>RADS</b>						
Technetium-99		2	pCi/L	10		RL-7100
Uranium	U	0.01	ppm			TIMS-3
<b>VOA</b>						
Trichloroethene	U	0.001	mg/L			SW846-8260

**5042-96**

Collected: 1/18/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.7	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		153	umho/cm			IN7125

**5043-96**

Collected: 1/18/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		153	umho/cm			IN7125

**5044-96**

Collected: 1/18/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.7	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		153	umho/cm			IN7125

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MW92

C404-96

C-404 Landfill Monitoring 1996

5894-96

Collected: 5/17/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		47.26	ft			
Dissolved Oxygen		1.66	mg/L			
pH		5.6	Std Unit			
Specific Conductivity (PIP)		138	umho/cm			
Temperature		65	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			IN7105
<b>RADS</b>						
Technetium-99		0	pCi/L	0		RL-7100

5991-96

Collected: 7/10/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		44.39	ft			
Dissolved Oxygen		1.63	mg/L			
pH		5.5	Std Unit			
Specific Conductivity (PIP)		135	umho/cm			
Temperature		74	deg F			
<b>METAL</b>						
Cadmium	BU	0.005	mg/L			SW846-7131
Chromium	U	0.05	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
Uranium	U	0.001	mg/L			IN7105
<b>RADS</b>						
Technetium-99		2	pCi/L	11		RL-7100
Uranium	U	0.01	ppm			TIMS-3
<b>VOA</b>						
Trichloroethene	U	0.001	mg/L			SW846-8260

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## MW93

### C404-96

### C-404 Landfill Monitoring 1996

#### 5045-96

Collected: 1/22/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		52.72	ft			
Dissolved Oxygen		1.17	mg/L			
pH		6	Std Unit			
Temperature		59	deg F			
<b>METAL</b>						
Cadmium	U	0.005	mg/L			SW846-7131
Chromium	BU	0.03	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
Uranium	U	0.001	mg/L			IN7105
<b>PHYSC</b>						
Specific Conductivity (PIP)		210	umho/cm			IN7125
<b>RADS</b>						
Technetium-99		9	pCi/L	10		RL-7100
Uranium	U	0.01	ppm			TIMS-3
<b>VOA</b>						
Trichloroethene		0.001	mg/L			SW846-8260

#### 5046-96

Collected: 1/22/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		209	umho/cm			IN7125

#### 5047-96

Collected: 1/22/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		209	umho/cm			IN7125

#### 5048-96

Collected: 1/22/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		209	umho/cm			IN7125

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**MW93**  
**C404-96**  
**5895-96**

**C-404 Landfill Monitoring 1996**

Collected: 5/16/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		51.39	ft			
Dissolved Oxygen		2.08	mg/L			
pH		6	Std Unit			
Specific Conductivity (PIP)		207	umho/cm			
Temperature		66	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			IN7105
<b>RADS</b>						
Technetium-99		3	pCi/L	10		RL-7100

**5992-96**

Collected: 7/8/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		46.9	ft			
Dissolved Oxygen		2.26	mg/L			
pH		5.7	Std Unit			
Specific Conductivity (PIP)		2.26	umho/cm			
Temperature		63	deg F			
<b>METAL</b>						
Cadmium	BU	0.005	mg/L			SW846-7131
Chromium	U	0.05	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
Uranium	U	0.001	mg/L			IN7105
<b>RADS</b>						
Alpha activity		10	pCi/L			RL-7119
Beta activity		-10	pCi/L			RL-7119
Technetium-99		1	pCi/L	11		RL-7100
Uranium	U	0.01	ppm			TIMS-3
<b>VOA</b>						
Trichloroethene		0.002	mg/L			SW846-8260

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**MW94**  
**C404-96**  
**5049-96**

**C-404 Landfill Monitoring 1996**

Collected: 1/31/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		17.9	ft			
Dissolved Oxygen		2.89	mg/L			
pH		5.7	Std Unit			
Temperature		60	deg F			
<b>METAL</b>						
Cadmium	U	0.005	mg/L			SW846-7131
Chromium	B	0.035	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
Uranium		0.001	mg/L			IN7105
<b>METAL-D</b>						
Chromium	U	0.03	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
<b>PHYSC</b>						
Specific Conductivity (PIP)		1227	umho/cm			IN7125
<b>RADS</b>						
Technetium-99		358	pCi/L	20		RL-7100
Uranium	U	0.01	ppm			TIMS-3
<b>VOA</b>						
Trichloroethene		0.07	mg/L			SW846-8260

**5050-96**

Collected: 1/31/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.7	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		1224	umho/cm			IN7125

**5051-96**

Collected: 1/31/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.7	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		1225	umho/cm			IN7125

**5052-96**

Collected: 1/31/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.7	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		1225	umho/cm			IN7125

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**MW94**  
**C404-96**  
**5896-96**

**C-404 Landfill Monitoring 1996**

Collected: 5/16/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		15.87	ft			
Dissolved Oxygen		1.93	mg/L			
pH		6	Std Unit			
Specific Conductivity (PIP)		1490	umho/cm			
Temperature		64	deg F			
<b>METAL</b>						
Uranium		0.001	mg/L			IN7105
<b>RADS</b>						
Technetium-99		577	pCi/L	24		RL-7100

**5993-96**

Collected: 7/8/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		15.32	ft			
Dissolved Oxygen		1.35	mg/L			
pH		5.5	Std Unit			
Specific Conductivity (PIP)		1363	umho/cm			
Temperature		63	deg F			
<b>METAL</b>						
Arsenic		0.005	mg/L			SW846-7060
Cadmium	BU	0.005	mg/L			SW846-7131
Chromium		0.075	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
Uranium	U	0.001	mg/L			IN7105
<b>METAL-D</b>						
Chromium	U	0.05	mg/L			SW846-6010
<b>RADS</b>						
Alpha activity		-10	pCi/L			RL-7119
Beta activity		260	pCi/L			RL-7119
Technetium-99		505	pCi/L	23		RL-7100
Uranium	U	0.01	ppm			TIMS-3
<b>VOA</b>						
Trichloroethene		0.11	mg/L			SW846-8260

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## MW95

### C404-96

### C-404 Landfill Monitoring 1996

#### 5053-96

Collected: 1/22/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		52.84	ft			
Dissolved Oxygen		0.69	mg/L			
pH		6	Std Unit			
Temperature		59	deg F			
<b>METAL</b>						
Cadmium	U	0.005	mg/L			SW846-7131
Chromium	BU	0.03	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
Uranium	U	0.001	mg/L			IN7105
<b>PHYSC</b>						
Specific Conductivity (PIP)		213	umho/cm			IN7125
<b>RADS</b>						
Technetium-99		10	pCi/L	10		RL-7100
Uranium	U	0.01	ppm			TIMS-3
<b>VOA</b>						
Trichloroethene	U	0.001	mg/L			SW846-8260

#### 5054-96

Collected: 1/22/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		212	umho/cm			IN7125

#### 5055-96

Collected: 1/22/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		212	umho/cm			IN7125

#### 5056-96

Collected: 1/22/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		213	umho/cm			IN7125

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MW95

C404-96

C-404 Landfill Monitoring 1996

5897-96

Collected: 5/16/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		50.49	ft			
Dissolved Oxygen		1.27	mg/L			
pH		6	Std Unit			
Specific Conductivity (PIP)		205	umho/cm			
Temperature		64	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			IN7105
<b>RADS</b>						
Technetium-99		9	pCi/L	11		RL-7100

5994-96

Collected: 7/10/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		47.29	ft			
Dissolved Oxygen		1.44	mg/L			
pH		5.9	Std Unit			
Specific Conductivity (PIP)		205	umho/cm			
Temperature		64	deg F			
<b>METAL</b>						
Cadmium	BU	0.005	mg/L			SW846-7131
Chromium	U	0.05	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
Uranium	U	0.001	mg/L			IN7105
<b>RADS</b>						
Technetium-99		9	pCi/L	11		RL-7100
Uranium	U	0.01	ppm			TIMS-3
<b>VOA</b>						
Trichloroethene		0.002	mg/L			SW846-8260



MW226

C404G97-01

C-404 Groundwater Quarterly Rad Monitoring C404G97-01

6228-96

Collected: 10/14/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		51	ft			
Dissolved Oxygen		0.59	mg/L			
pH		5.7	Std Unit			
Specific Conductivity (PIP)		298	umho/cm			
Temperature		62	deg F			
<b>RADS</b>						
Technetium-99		35	pCi/L	14		RL-7100
Uranium	U	0.01	ppm			TIMS-3

MW227

C404G97-01

C-404 Groundwater Quarterly Rad Monitoring C404G97-01

6229-96

Collected: 10/14/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		51.1	ft			
Dissolved Oxygen		2.37	mg/L			
pH		5.8	Std Unit			
Specific Conductivity (PIP)		237	umho/cm			
Temperature		63	deg F			
<b>RADS</b>						
Technetium-99		0	pCi/L	0		RL-7100
Uranium	U	0.01	ppm			TIMS-3

**MW84**

**C404G97-01**

**C-404 Groundwater Quarterly Rad Monitoring C404G97-01**

**6216-96**

Collected: 10/15/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		48.55	ft			
Dissolved Oxygen		1.65	mg/L			
pH		5.9	Std Unit			
Specific Conductivity (PIP)		206	umho/cm			
Temperature		60	deg F			
<b>RADS</b>						
Technetium-99		0	pCi/L	0		RL-7100
Uranium	U	0.01	ppm			TIMS-3

MW85

C404G97-01

C-404 Groundwater Quarterly Rad Monitoring C404G97-01

6217-96

Collected: 10/15/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		14.85	ft			
Dissolved Oxygen		5.01	mg/L			
pH		6.3	Std Unit			
Specific Conductivity (PIP)		363	umho/cm			
Temperature		61	deg F			
<b>RADS</b>						
Technetium-99		294	pCi/L	20		RL-7100
Uranium	U	0.01	ppm			TIMS-3

MW86

C404G97-01

C-404 Groundwater Quarterly Rad Monitoring C404G97-01

6218-96

Collected: 10/15/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		48.47	ft			
Dissolved Oxygen		0.95	mg/L			
pH		6	Std Unit			
Specific Conductivity (PIP)		206	umho/cm			
Temperature		61	deg F			
<b>RADS</b>						
Technetium-99		0	pCi/L	0		RL-7100
Uranium	U	0.01	ppm			TIMS-3

MW87

C404G97-01

C-404 Groundwater Quarterly Rad Monitoring C404G97-01

6219-96

Collected: 10/15/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		48.51	ft			
Dissolved Oxygen		1.54	mg/L			
pH		6	Std Unit			
Specific Conductivity (PIP)		232	umho/cm			
Temperature		62	deg F			
<b>RADS</b>						
Technetium-99		0	pCi/L	0		RL-7100
Uranium	U	0.01	ppm			TIMS-3

**MW88**

**C404G97-01**

**C-404 Groundwater Quarterly Rad Monitoring C404G97-01**

**6220-96**

Collected: 10/14/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		14.9	ft			
Dissolved Oxygen		0.83	mg/L			
pH		5.7	Std Unit			
Specific Conductivity (PIP)		628	umho/cm			
Temperature		62	deg F			
<b>RADS</b>						
Technetium-99		182	pCi/L	18		RL-7100
Uranium	U	0.01	ppm			TIMS-3

**MW89**

**C404G97-01**

**C-404 Groundwater Quarterly Rad Monitoring C404G97-01**

**6221-96**

Collected: 10/14/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		48.35	ft			
Dissolved Oxygen		1.29	mg/L			
pH		6.1	Std Unit			
Specific Conductivity (PIP)		188	umho/cm			
Temperature		62	deg F			
<b>RADS</b>						
Technetium-99		0	pCi/L	0		RL-7100
Uranium	U	0.01	ppm			TIMS-3

**6230-96**

Collected: 10/14/1996

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		48.35	ft			
Dissolved Oxygen		1.29	mg/L			
pH		6.1	Std Unit			
Specific Conductivity (PIP)		188	umho/cm			
Temperature		62	deg F			
<b>RADS</b>						
Technetium-99		0	pCi/L	0		RL-7100
Uranium	U	0.01	ppm			TIMS-3



MW90

C404G97-01

C-404 Groundwater Quarterly Rad Monitoring C404G97-01

6222-96

Collected: 10/15/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		47.12	ft			
Dissolved Oxygen		3.6	mg/L			
pH		5.8	Std Unit			
Specific Conductivity (PIP)		179	umho/cm			
Temperature		64	deg F			
<b>RADS</b>						
Technetium-99		0	pCi/L	0		RL-7100
Uranium	U	0.01	ppm			TIMS-3

MW91

C404G97-01

C-404 Groundwater Quarterly Rad Monitoring C404G97-01

6223-96

Collected: 10/15/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		11.17	ft			
Dissolved Oxygen		2.14	mg/L			
pH		5.8	Std Unit			
Specific Conductivity (PIP)		499	umho/cm			
Temperature		69	deg F			
<b>RADS</b>						
Technetium-99		1	pCi/L	13		RL-7100
Uranium	U	0.01	ppm			TIMS-3

MW92

C404G97-01

C-404 Groundwater Quarterly Rad Monitoring C404G97-01

6224-96

Collected: 10/15/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		47.21	ft			
Dissolved Oxygen		0.9	mg/L			
pH		5.5	Std Unit			
Specific Conductivity (PIP)		139.4	umho/cm			
Temperature		66	deg F			
<b>RADS</b>						
Technetium-99		0	pCi/L	0		RL-7100
Uranium	U	0.01	ppm			TIMS-3

MW93

C404G97-01

C-404 Groundwater Quarterly Rad Monitoring C404G97-01

6225-96

Collected: 10/15/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		50	ft			
Dissolved Oxygen		1.6	mg/L			
pH		5.8	Std Unit			
Specific Conductivity (PIP)		205	umho/cm			
Temperature		66	deg F			
<b>RADS</b>						
Technetium-99		0	pCi/L	0		RL-7100
Uranium	U	0.01	ppm			TIMS-3

**MW94**

**C404G97-01**

**C-404 Groundwater Quarterly Rad Monitoring C404G97-01**

**6226-96**

Collected: 10/15/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		16.47	ft			
Dissolved Oxygen		1.26	mg/L			
pH		5.7	Std Unit			
Specific Conductivity (PIP)		1298	umho/cm			
Temperature		62	deg F			
<b>RADS</b>						
Technetium-99		459	pCi/L	23		RL-7100
Uranium	U	0.01	ppm			TIMS-3

MW95

C404G97-01

C-404 Groundwater Quarterly Rad Monitoring C404G97-01

6227-96

Collected: 10/15/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		50.22	ft			
Dissolved Oxygen		1.62	mg/L			
pH		5.8	Std Unit			
Specific Conductivity (PIP)		208	umho/cm			
Temperature		61	deg F			
<b>RADS</b>						
Technetium-99		0	pCi/L	0		RL-7100
Uranium	U	0.01	ppm			TIMS-3

MW226

C404G97-02

C-404 Groundwater Quarterly Rad Monitoring C404G97-02

5031-97

Collected: 1/16/1997

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		49.6	ft			
Dissolved Oxygen		1.09	mg/L			
pH		5.9	Std Unit			
Specific Conductivity (PIP)		303	umho/cm			
Temperature		53	deg F			
<b>METAL</b>						
Cadmium	U	0.005	mg/L			SW846-7131
Chromium		0.124	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
<b>METAL-D</b>						
Chromium	U	0.05	mg/L			SW846-6010
<b>RADS</b>						
Technetium-99		86	pCi/L	15		RL-7100
<b>VOA</b>						
Trichloroethene		0.024	mg/L			SW846-8260

**MW227**

**C404G97-02**

**C-404 Groundwater Quarterly Rad Monitoring C404G97-02**

**5032-97**

Collected: 1/16/1997

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		49.91	ft			
Dissolved Oxygen		2.15	mg/L			
pH		6	Std Unit			
Specific Conductivity (PIP)		237	umho/cm			
Temperature		52	deg F			
<b>METAL</b>						
Cadmium	U	0.005	mg/L			SW846-7131
Chromium	U	0.05	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
<b>RADS</b>						
Technetium-99		11	pCi/L	12		RL-7100
<b>VOA</b>						
Trichloroethene		0.006	mg/L			SW846-8260

**5033-97**

Collected: 1/16/1997

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		49.91	ft			
Dissolved Oxygen		2.15	mg/L			
pH		6	Std Unit			
Specific Conductivity (PIP)		237	umho/cm			
Temperature		52	deg F			
<b>METAL</b>						
Cadmium	U	0.005	mg/L			SW846-7131
Chromium	U	0.05	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
<b>RADS</b>						
Technetium-99		3	pCi/L	12		RL-7100
<b>VOA</b>						
Trichloroethene		0.006	mg/L			SW846-8260



**MW84**

**C404G97-02**

**C-404 Groundwater Quarterly Rad Monitoring C404G97-02**

**5019-97**

Collected: 1/16/1997

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		47.24	ft			
Dissolved Oxygen		1.69	mg/L			
pH		6.1	Std Unit			
Specific Conductivity (PIP)		208	umho/cm			
Temperature		51	deg F			
<b>METAL</b>						
Cadmium	U	0.005	mg/L			SW846-7131
Chromium	U	0.05	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
<b>RADS</b>						
Technetium-99		0	pCi/L	0		RL-7100
Uranium	U	0.01	ppm			TIMS-3
<b>VOA</b>						
Trichloroethene	U	0.001	mg/L			SW846-8260

**MW85**

**C404G97-02**

**C-404 Groundwater Quarterly Rad Monitoring C404G97-02**

**5020-97**

Collected: 1/16/1997

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		15.28	ft			
Dissolved Oxygen		4.72	mg/L			
pH		6.6	Std Unit			
Specific Conductivity (PIP)		440	umho/cm			
Temperature		49	deg F			
<b>METAL</b>						
Cadmium	U	0.005	mg/L			SW846-7131
Chromium	U	0.05	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
<b>RADS</b>						
Technetium-99		373	pCi/L	21		RL-7100
<b>VOA</b>						
Trichloroethene		0.017	mg/L			SW846-8260

**MW86**

**C404G97-02**

**C-404 Groundwater Quarterly Rad Monitoring C404G97-02**

**5021-97**

Collected: 1/14/1997

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		47.5	ft			
Dissolved Oxygen		1.26	mg/L			
pH		6.1	Std Unit			
Specific Conductivity (PIP)		210	umho/cm			
Temperature		53	deg F			
<b>METAL</b>						
Cadmium	U	0.005	mg/L			SW846-7131
Chromium	U	0.05	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
<b>RADS</b>						
Technetium-99		0	pCi/L	0		RL-7100
Uranium	UX	0.01	ppm			TIMS-3
<b>VOA</b>						
Trichloroethene	U	0.001	mg/L			SW846-8260

MW87

C404G97-02

C-404 Groundwater Quarterly Rad Monitoring C404G97-02

5022-97

Collected: 1/14/1997

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		47.55	ft			
Dissolved Oxygen		1.8	mg/L			
pH		6.2	Std Unit			
Specific Conductivity (PIP)		249	umho/cm			
Temperature		50	deg F			
<b>METAL</b>						
Cadmium	U	0.005	mg/L			SW846-7131
Chromium	U	0.05	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
<b>RADS</b>						
Technetium-99		0	pCi/L	0		RL-7100
Uranium	UX	0.01	ppm			TIMS-3
<b>VOA</b>						
Trichloroethene	U	0.001	mg/L			SW846-8260

**MW88**

**C404G97-02**

**C-404 Groundwater Quarterly Rad Monitoring C404G97-02**

**5023-97**

Collected: 1/14/1997

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		14.24	ft			
Dissolved Oxygen		1.04	mg/L			
pH		5.9	Std Unit			
Specific Conductivity (PIP)		633	umho/cm			
Temperature		50	deg F			
<b>METAL</b>						
Cadmium	U	0.005	mg/L			SW846-7131
Chromium	U	0.05	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
<b>RADS</b>						
Technetium-99		177	pCi/L	17		RL-7100
<b>VOA</b>						
Trichloroethene		0.052	mg/L			SW846-8260

MW89

C404G97-02

C-404 Groundwater Quarterly Rad Monitoring C404G97-02

5024-97

Collected: 1/14/1997

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		47.16	ft			
Dissolved Oxygen		1.19	mg/L			
pH		6	Std Unit			
Specific Conductivity (PIP)		191	umho/cm			
Temperature		54	deg F			
<b>METAL</b>						
Cadmium	U	0.005	mg/L			SW846-7131
Chromium	U	0.05	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
<b>RADS</b>						
Technetium-99		0	pCi/L	0		RL-7100
<b>VOA</b>						
Trichloroethene	U	0.001	mg/L			SW846-8260

MW90

C404G97-02

C-404 Groundwater Quarterly Rad Monitoring C404G97-02

5025-97

Collected: 1/14/1997

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		46.15	ft			
Dissolved Oxygen		4.16	mg/L			
pH		6	Std Unit			
Specific Conductivity (PIP)		190	umho/cm			
Temperature		53	deg F			
<b>METAL</b>						
Cadmium	U	0.005	mg/L			SW846-7131
Chromium	U	0.05	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
<b>RADS</b>						
Technetium-99		0	pCi/L	0		RL-7100
<b>VOA</b>						
Trichloroethene	U	0.001	mg/L			SW846-8260

MW91

C404G97-02

C-404 Groundwater Quarterly Rad Monitoring C404G97-02

5026-97

Collected: 1/14/1997

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		10.72	ft			
Dissolved Oxygen		2.42	mg/L			
pH		6	Std Unit			
Specific Conductivity (PIP)		551	umho/cm			
Temperature		55	deg F			
<b>METAL</b>						
Cadmium	U	0.005	mg/L			SW846-7131
Chromium		0.062	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
<b>METAL-D</b>						
Chromium	U	0.05	mg/L			SW846-6010
<b>RADS</b>						
Technetium-99		68	pCi/L	14		RL-7100
<b>VOA</b>						
Trichloroethene		0.064	mg/L			SW846-8260



**MW92**

**C404G97-02**

**C-404 Groundwater Quarterly Rad Monitoring C404G97-02**

**5027-97**

Collected: 1/14/1997

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		46.01	ft			
Dissolved Oxygen		0.99	mg/L			
pH		5.8	Std Unit			
Specific Conductivity (PIP)		145.1	umho/cm			
Temperature		56	deg F			
<b>METAL</b>						
Cadmium	U	0.005	mg/L			SW846-7131
Chromium	U	0.05	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
<b>RADS</b>						
Technetium-99		0	pCi/L	0		RL-7100
<b>VOA</b>						
Trichloroethene	U	0.001	mg/L			SW846-8260

**MW93**

**C404G97-02**

**C-404 Groundwater Quarterly Rad Monitoring C404G97-02**

**5028-97**

Collected: 1/14/1997

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		49.26	ft			
Dissolved Oxygen		1.1	mg/L			
pH		6.1	Std Unit			
Specific Conductivity (PIP)		215	umho/cm			
Temperature		55	deg F			
<b>METAL</b>						
Cadmium	U	0.005	mg/L			SW846-7131
Chromium	U	0.05	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
<b>RADS</b>						
Technetium-99		0	pCi/L	0		RL-7100
Uranium	U	0.01	ppm			TIMS-3
<b>VOA</b>						
Trichloroethene		0.002	mg/L			SW846-8260

**MW94**

**C404G97-02**

**C-404 Groundwater Quarterly Rad Monitoring C404G97-02**

**5029-97**

Collected: 1/14/1997

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		15.27	ft			
Dissolved Oxygen		1.52	mg/L			
pH		5.9	Std Unit			
Specific Conductivity (PIP)		1333	umho/cm			
Temperature		54	deg F			
<b>METAL</b>						
Cadmium	U	0.005	mg/L			SW846-7131
Chromium		0.074	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
<b>METAL-D</b>						
Chromium	U	0.05	mg/L			SW846-6010
<b>RADS</b>						
Technetium-99		489	pCi/L	23		RL-7100
Uranium	U	0.01	ppm			TIMS-3
<b>VOA</b>						
Trichloroethene		0.05	mg/L			SW846-8260

**MW95**

**C404G97-02**

**C-404 Groundwater Quarterly Rad Monitoring C404G97-02**

**5030-97**

Collected: 1/14/1997

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		49.31	ft			
Dissolved Oxygen		2.22	mg/L			
pH		6.1	Std Unit			
Specific Conductivity (PIP)		212	umho/cm			
Temperature		52	deg F			
<b>METAL</b>						
Cadmium	U	0.005	mg/L			SW846-7131
Chromium	U	0.05	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
<b>RADS</b>						
Technetium-99		3	pCi/L	12		RL-7100
Uranium	U	0.01	ppm			TIMS-3
<b>VOA</b>						
Trichloroethene		0.002	mg/L			SW846-8260

MW226

C404G97-03

C-404 Groundwater Quarterly Rad Monitoring C404G97-03

5248-97

Collected: 4/14/1997

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		44.66	ft			
Dissolved Oxygen		0.52	mg/L			
pH		5.9	Std Unit			
Specific Conductivity (PIP)		323	umho/cm			
Temperature		59	deg F			
<b>METAL</b>						
Uranium	U	0.01	mg/L			TIMS-3
<b>METAL-D</b>						
Uranium	U	0.01	mg/L			TIMS-3
<b>RADS</b>						
Cesium-137	U	16.76	pCi/L			RL-7124
Technetium-99		84	pCi/L	14		RL-7100

MW227

C404G97-03

C-404 Groundwater Quarterly Rad Monitoring C404G97-03

5249-97

Collected: 4/14/1997

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		44.97	ft			
Dissolved Oxygen		1.68	mg/L			
pH		5.9	Std Unit			
Specific Conductivity (PIP)		249	umho/cm			
Temperature		59	deg F			
<b>METAL</b>						
Uranium	U	0.01	mg/L			TIMS-3
<b>METAL-D</b>						
Uranium	U	0.01	mg/L			TIMS-3
<b>RADS</b>						
Cesium-137	U	18.09	pCi/L			RL-7124
Technetium-99		367	pCi/L	21		RL-7100

MW84

C404G97-03

C-404 Groundwater Quarterly Rad Monitoring C404G97-03

5225-97

Collected: 4/14/1997

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		42.14	ft			
Dissolved Oxygen		1.23	mg/L			
pH		5.8	Std Unit			
Specific Conductivity (PIP)		210	umho/cm			
Temperature		60	deg F			
<b>METAL</b>						
Uranium	U	0.01	mg/L			TIMS-3
<b>METAL-D</b>						
Uranium	U	0.01	mg/L			TIMS-3
<b>RADS</b>						
Cesium-137	U	15.09	pCi/L			RL-7124
Technetium-99		5	pCi/L	11		RL-7100

MW85

C404G97-03

C-404 Groundwater Quarterly Rad Monitoring C404G97-03

5226-97

Collected: 4/14/1997

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		12.8	ft			
Dissolved Oxygen		6	mg/L			
pH		6.2	Std Unit			
Specific Conductivity (PIP)		306	umho/cm			
Temperature		59	deg F			
<b>METAL</b>						
Uranium	U	0.01	mg/L			TIMS-3
<b>METAL-D</b>						
Uranium	U	0.01	mg/L			TIMS-3
<b>RADS</b>						
Cesium-137	U	14.03	pCi/L			RL-7124
Technetium-99		15	pCi/L	12		RL-7100



**MW86**

**C404G97-03**

**C-404 Groundwater Quarterly Rad Monitoring C404G97-03**

**5227-97**

Collected: 4/14/1997

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		42.05	ft			
Dissolved Oxygen		2.37	mg/L			
pH		6	Std Unit			
Specific Conductivity (PIP)		215	umho/cm			
Temperature		60	deg F			
<b>METAL</b>						
Uranium	U	0.01	mg/L			TIMS-3
<b>METAL-D</b>						
Uranium	U	0.01	mg/L			TIMS-3
<b>RADS</b>						
Cesium-137	U	15.12	pCi/L			RL-7124
Technetium-99		1	pCi/L	11		RL-7100

MW87

C404G97-03

C-404 Groundwater Quarterly Rad Monitoring C404G97-03

5228-97

Collected: 4/15/1997

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		42	ft			
Dissolved Oxygen		2.3	mg/L			
pH		6.2	Std Unit			
Specific Conductivity (PIP)		181	umho/cm			
Temperature		63	deg F			
<b>METAL</b>						
Uranium	U	0.01	mg/L			TIMS-3
<b>METAL-D</b>						
Uranium	U	0.01	mg/L			TIMS-3
<b>RADS</b>						
Cesium-137	U	17.87	pCi/L			RL-7124
Technetium-99		27	pCi/L	12		RL-7100

MW88

C404G97-03

C-404 Groundwater Quarterly Rad Monitoring C404G97-03

5229-97

Collected: 4/15/1997

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		13.14	ft			
Dissolved Oxygen		1.85	mg/L			
pH		5.8	Std Unit			
Specific Conductivity (PIP)		343	umho/cm			
Temperature		63	deg F			
<b>METAL</b>						
Uranium	U	0.01	mg/L			TIMS-3
<b>METAL-D</b>						
Uranium	U	0.01	mg/L			TIMS-3
<b>RADS</b>						
Cesium-137	U	18.59	pCi/L			RL-7124
Technetium-99		173	pCi/L	16		RL-7100

MW89

C404G97-03

C-404 Groundwater Quarterly Rad Monitoring C404G97-03

5230-97

Collected: 4/15/1997

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		42.03	ft			
Dissolved Oxygen		2.4	mg/L			
pH		6.1	Std Unit			
Specific Conductivity (PIP)		115.3	umho/cm			
Temperature		63	deg F			
<b>METAL</b>						
Uranium	U	0.01	mg/L			TIMS-3
<b>METAL-D</b>						
Uranium	U	0.01	mg/L			TIMS-3
<b>RADS</b>						
Cesium-137	U	17.18	pCi/L			RL-7124
Technetium-99		24	pCi/L	12		RL-7100

**MW90**

**C404G97-03**

**C-404 Groundwater Quarterly Rad Monitoring C404G97-03**

**5231-97**

Collected: 4/15/1997

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		40.97	ft			
Dissolved Oxygen		4.36	mg/L			
pH		5.9	Std Unit			
Specific Conductivity (PIP)		199	umho/cm			
Temperature		60	deg F			
<b>METAL</b>						
Uranium	U	0.01	mg/L			TIMS-3
<b>METAL-D</b>						
Uranium	U	0.01	mg/L			TIMS-3
<b>RADS</b>						
Cesium-137	U	16.01	pCi/L			RL-7124
Technetium-99		17	pCi/L	12		RL-7100

MW91

C404G97-03

C-404 Groundwater Quarterly Rad Monitoring C404G97-03

5232-97

Collected: 4/15/1997

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		10.28	ft			
Dissolved Oxygen		3.96	mg/L			
pH		5.9	Std Unit			
Specific Conductivity (PIP)		503	umho/cm			
Temperature		60	deg F			
<b>METAL</b>						
Uranium	U	0.01	mg/L			TIMS-3
<b>METAL-D</b>						
Uranium	U	0.01	mg/L			TIMS-3
<b>RADS</b>						
Cesium-137	U	16.74	pCi/L			RL-7124
Technetium-99		89	pCi/L	14		RL-7100

MW92

C404G97-03

C-404 Groundwater Quarterly Rad Monitoring C404G97-03

5233-97

Collected: 4/15/1997

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		40.94	ft			
Dissolved Oxygen		1.1	mg/L			
pH		5.7	Std Unit			
Specific Conductivity (PIP)		141.4	umho/cm			
Temperature		62	deg F			
<b>METAL</b>						
Uranium	U	0.01	mg/L			TIMS-3
<b>METAL-D</b>						
Uranium	U	0.01	mg/L			TIMS-3
<b>RADS</b>						
Cesium-137	U	14.38	pCi/L			RL-7124
Technetium-99		19	pCi/L	12		RL-7100

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**MW93**

**C404G97-03**

**C-404 Groundwater Quarterly Rad Monitoring C404G97-03**

**5234-97**

Collected: 4/16/1997

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		43.66	ft			
Dissolved Oxygen		0.94	mg/L			
pH		5.9	Std Unit			
Specific Conductivity (PIP)		212	umho/cm			
Temperature		60	deg F			
<b>METAL</b>						
Uranium	U	0.01	mg/L			TIMS-3
<b>METAL-D</b>						
Uranium	U	0.01	mg/L			TIMS-3
<b>RADS</b>						
Cesium-137	U	22.63	pCi/L			RL-7124
Technetium-99		2	pCi/L	12		RL-7100

**5237-97**

Collected: 4/16/1997

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		43.66	ft			
Dissolved Oxygen		0.94	mg/L			
pH		5.9	Std Unit			
Specific Conductivity (PIP)		212	umho/cm			
Temperature		60	deg F			
<b>METAL</b>						
Uranium	U	0.01	mg/L			TIMS-3
<b>METAL-D</b>						
Uranium	U	0.01	mg/L			TIMS-3
<b>RADS</b>						
Cesium-137	U	18670	pCi/L			RL-7124
Technetium-99		33	pCi/L	12		RL-7100



MW94

C404G97-03

C-404 Groundwater Quarterly Rad Monitoring C404G97-03

5235-97

Collected: 4/15/1997

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		14.12	ft			
Dissolved Oxygen		2.62	mg/L			
pH		5.9	Std Unit			
Specific Conductivity (PIP)		1253	umho/cm			
Temperature		62	deg F			
<b>METAL</b>						
Uranium	U	0.01	mg/L			TIMS-3
<b>METAL-D</b>						
Uranium	U	0.01	mg/L			TIMS-3
<b>RADS</b>						
Cesium-137	U	16.13	pCi/L			RL-7124
Technetium-99		517	pCi/L	23		RL-7100

**MW95**

**C404G97-03**

**C-404 Groundwater Quarterly Rad Monitoring C404G97-03**

**5236-97**

Collected: 4/14/1997

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		43.83	ft			
Dissolved Oxygen		1.1	mg/L			
pH		5.9	Std Unit			
Specific Conductivity (PIP)		211	umho/cm			
Temperature		60	deg F			
<b>METAL</b>						
Uranium	U	0.01	mg/L			TIMS-3
<b>METAL-D</b>						
Uranium	U	0.01	mg/L			TIMS-3
<b>RADS</b>						
Cesium-137	U	16.11	pCi/L			RL-7124
Technetium-99		11	pCi/L	12		RL-7100

**MW226**  
**C404G97-04**  
**5476-97**

**C-404 Groundwater Quarterly Monitoring**

Collected: 7/14/1997

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		46.15	ft			
Dissolved Oxygen		0.71	mg/L			
pH		5.9	Std Unit			
Specific Conductivity (PIP)		306	umho/cm			
Temperature		67.6	deg F			
<b>METAL</b>						
Cadmium	BWU	0.005	mg/L			SW846-7131
Chromium		0.102	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
Uranium	U	0.01	mg/L			TIMS-3
<b>METAL-D</b>						
Chromium	U	0.05	mg/L			SW846-6010
<b>RADS</b>						
Technetium-99		84	pCi/L	14		RL-7100
<b>VOA</b>						
Trichloroethene		0.026	mg/L			SW846-8260

**5477-97**

Collected: 7/14/1997

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		46.15	ft			
Dissolved Oxygen		0.71	mg/L			
pH		5.9	Std Unit			
Specific Conductivity (PIP)		306	umho/cm			
Temperature		67.6	deg F			
<b>METAL</b>						
Cadmium	BWU	0.005	mg/L			SW846-7131
Chromium		0.073	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
Uranium	U	0.01	mg/L			TIMS-3
<b>METAL-D</b>						
Chromium	U	0.05	mg/L			SW846-6010
<b>RADS</b>						
Technetium-99		85	pCi/L	14		RL-7100
<b>VOA</b>						
Trichloroethene		0.027	mg/L			SW846-8260

**MW227**  
**C404G97-04**  
**5478-97**

**C-404 Groundwater Quarterly Monitoring**

Collected: 7/14/1997

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		46.4	ft			
Dissolved Oxygen		1.92	mg/L			
pH		6	Std Unit			
Specific Conductivity (PIP)		246	umho/cm			
Temperature		68.6	deg F			
<b>METAL</b>						
Cadmium	BNU	0.005	mg/L			SW846-7131
Chromium	U	0.05	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
Uranium	U	0.01	mg/L			TIMS-3
<b>RADS</b>						
Technetium-99		2	pCi/L	11		RL-7100
<b>VOA</b>						
Trichloroethene		0.006	mg/L			SW846-8260

**MW84**  
**C404G97-04**  
**5464-97**

**C-404 Groundwater Quarterly Monitoring**

Collected: 7/14/1997

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		43.83	ft			
Dissolved Oxygen		2.06	mg/L			
pH		5.8	Std Unit			
Specific Conductivity (PIP)		212	umho/cm			
Temperature		65.9	deg F			
<b>METAL</b>						
Cadmium	BWU	0.005	mg/L			SW846-7131
Chromium	U	0.05	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
Uranium	U	0.01	mg/L			TIMS-3
<b>RADS</b>						
Technetium-99		0	pCi/L	0		RL-7100
<b>VOA</b>						
Trichloroethene	U	0.001	mg/L			SW846-8260

**MW85**  
**C404G97-04**  
**5465-97**

**C-404 Groundwater Quarterly Monitoring**

Collected: 7/14/1997

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		12.8	ft			
Dissolved Oxygen		6.03	mg/L			
pH		6.3	Std Unit			
Specific Conductivity (PIP)		456	umho/cm			
Temperature		68.4	deg F			
<b>METAL</b>						
Cadmium	BWU	0.005	mg/L			SW846-7131
Chromium	U	0.05	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
Uranium	U	0.01	mg/L			TIMS-3
<b>RADS</b>						
Technetium-99		346	pCi/L	20		RL-7100
<b>VOA</b>						
Trichloroethene		0.013	mg/L			SW846-8260

**MW86**  
**C404G97-04**  
**5466-97**

**C-404 Groundwater Quarterly Monitoring**

Collected: 7/14/1997

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		43.83	ft			
Dissolved Oxygen		1.1	mg/L			
pH		5.9	Std Unit			
Specific Conductivity (PIP)		218	umho/cm			
Temperature		66.1	deg F			
<b>METAL</b>						
Cadmium	BWU	0.005	mg/L			SW846-7131
Chromium	U	0.05	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
Uranium	U	0.01	mg/L			TIMS-3
<b>RADS</b>						
Technetium-99		0	pCi/L	0		RL-7100
<b>VOA</b>						
Trichloroethene	U	0.001	mg/L			SW846-8260

**MW87**  
**C404G97-04**  
**5467-97**

**C-404 Groundwater Quarterly Monitoring**

Collected: 7/15/1997

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		44	ft			
Dissolved Oxygen		1.65	mg/L			
pH		5.96	Std Unit			
Specific Conductivity (PIP)		241	umho/cm			
Temperature		66.4	deg F			
<b>METAL</b>						
Cadmium	BWU	0.005	mg/L			SW846-7131
Chromium	U	0.05	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
Uranium	U	0.01	mg/L			TIMS-3
<b>RADS</b>						
Technetium-99		0	pCi/L	0		RL-7100
<b>VOA</b>						
Trichloroethene	U	0.001	mg/L			SW846-8260



**MW88**  
**C404G97-04**  
**5468-97**

**C-404 Groundwater Quarterly Monitoring**

Collected: 7/15/1997

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		13.13	ft			
Dissolved Oxygen		0.45	mg/L			
pH		5.6	Std Unit			
Specific Conductivity (PIP)		634	umho/cm			
Temperature		67.3	deg F			
<b>METAL</b>						
Cadmium	BWU	0.005	mg/L			SW846-7131
Chromium	U	0.05	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
Uranium	U	0.01	mg/L			TIMS-3
<b>RADS</b>						
Technetium-99		166	pCi/L	16		RL-7100
<b>VOA</b>						
Trichloroethene		0.093	mg/L			SW846-8260

**MW89**  
**C404G97-04**  
**5469-97**

**C-404 Groundwater Quarterly Monitoring**

Collected: 7/15/1997

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		43.96	ft			
Dissolved Oxygen		1.19	mg/L			
pH		5.8	Std Unit			
Specific Conductivity (PIP)		192	umho/cm			
Temperature		66.7	deg F			
<b>METAL</b>						
Cadmium	BWU	0.005	mg/L			SW846-7131
Chromium	U	0.05	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
Uranium	U	0.01	mg/L			TIMS-3
<b>RADS</b>						
Technetium-99		0	pCi/L	0		RL-7100
<b>VOA</b>						
Trichloroethene	U	0.001	mg/L			SW846-8260

**MW90**  
**C404G97-04**  
**5470-97**

**C-404 Groundwater Quarterly Monitoring**

Collected: 7/15/1997

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		42.52	ft			
Dissolved Oxygen		4.54	mg/L			
pH		5.9	Std Unit			
Specific Conductivity (PIP)		186	umho/cm			
Temperature		66.6	deg F			
<b>METAL</b>						
Cadmium	BWU	0.005	mg/L			SW846-7131
Chromium	U	0.05	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
Uranium	U	0.01	mg/L			TIMS-3
<b>RADS</b>						
Technetium-99		4	pCi/L	11		RL-7100
<b>VOA</b>						
Trichloroethene		0.001	mg/L			SW846-8260

**MW91**  
**C404G97-04**  
**5471-97**

**C-404 Groundwater Quarterly Monitoring**

Collected: 7/15/1997

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		10.05	ft			
Dissolved Oxygen		2.37	mg/L			
pH		5.9	Std Unit			
Specific Conductivity (PIP)		496	umho/cm			
Temperature		67.5	deg F			
<b>METAL</b>						
Cadmium	BWU	0.005	mg/L			SW846-7131
Chromium		0.075	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
Uranium	U	0.01	mg/L			TIMS-3
<b>METAL-D</b>						
Chromium	U	0.05	mg/L			SW846-6010
<b>RADS</b>						
Technetium-99		52	pCi/L	13		RL-7100
<b>VOA</b>						
Trichloroethene		0.06	mg/L			SW846-8260

**MW92**  
**C404G97-04**  
**5472-97**

**C-404 Groundwater Quarterly Monitoring**

Collected: 7/15/1997

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		42.65	ft			
Dissolved Oxygen		1.1	mg/L			
pH		5.7	Std Unit			
Specific Conductivity (PIP)		141	umho/cm			
Temperature		65.7	deg F			
<b>METAL</b>						
Cadmium	BWU	0.005	mg/L			SW846-7131
Chromium	U	0.05	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
Uranium	U	0.01	mg/L			TIMS-3
<b>RADS</b>						
Technetium-99		4	pCi/L	11		RL-7100
<b>VOA</b>						
Trichloroethene	U	0.001	mg/L			SW846-8260

**MW93**  
**C404G97-04**  
**5473-97**

**C-404 Groundwater Quarterly Monitoring**

Collected: 7/14/1997

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		45.52	ft			
Dissolved Oxygen		1.08	mg/L			
pH		5.85	Std Unit			
Specific Conductivity (PIP)		213	umho/cm			
Temperature		67.5	deg F			
<b>METAL</b>						
Cadmium	BWU	0.005	mg/L			SW846-7131
Chromium	U	0.05	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
Uranium	U	0.01	mg/L			TIMS-3
<b>RADS</b>						
Technetium-99		0	pCi/L	0		RL-7100
<b>VOA</b>						
Trichloroethene		0.003	mg/L			SW846-8260

**MW94**  
**C404G97-04**  
**5474-97**

**C-404 Groundwater Quarterly Monitoring**

Collected: 7/14/1997

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		14.32	ft			
Dissolved Oxygen		1.24	mg/L			
pH		5.9	Std Unit			
Specific Conductivity (PIP)		1253	umho/cm			
Temperature		67.1	deg F			
<b>METAL</b>						
Cadmium	BWU	0.005	mg/L			SW846-7131
Chromium	U	0.05	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
Uranium	U	0.01	mg/L			TIMS-3
<b>RADS</b>						
Technetium-99		580	pCi/L	24		RL-7100
<b>VOA</b>						
Trichloroethene		0.039	mg/L			SW846-8260

**MW95**  
**C404G97-04**  
**5475-97**

**C-404 Groundwater Quarterly Monitoring**

Collected: 7/14/1997

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		45.51	ft			
Dissolved Oxygen		1.29	mg/L			
pH		5.82	Std Unit			
Specific Conductivity (PIP)		214	umho/cm			
Temperature		66.7	deg F			
<b>METAL</b>						
Cadmium	BWU	0.005	mg/L			SW846-7131
Chromium	U	0.05	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Selenium	U	0.005	mg/L			SW846-7740
Uranium	U	0.01	mg/L			TIMS-3
<b>RADS</b>						
Technetium-99		6	pCi/L	11		RL-7100
<b>VOA</b>						
Trichloroethene		0.003	mg/L			SW846-8260



## MW179

## C746S-95

## C-746S&amp;T Landfill Monitoring C746S-95

## 5270-95

Collected: 1/10/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		30	mg/L			SW846-9251
Nitrate as Nitrogen		0.9	mg/L			SA-N-1
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)		0.033	mg/L			SW846-9020
<b>Field P</b>						
Depth to Water		34.74	ft			
Dissolved Oxygen		3.71	mg/L			
pH		6.1	Std Unit			
Temperature		59	deg F			
<b>METAL</b>						
Aluminum	U	0.2	mg/L			SW846-6010
Antimony	U	0.006	mg/L			SW846-7041
Barium		0.026	mg/L			SW846-6010
Beryllium	U	0.002	mg/L			SW846-6010
Boron		1.44	mg/L			SW846-6010
Cadmium	U	0.0005	mg/L			SW846-7131
Calcium		61.8	mg/L			SW846-6010
Cerium	U	0.08	mg/L			SW846-6010
Chromium	U	0.03	mg/L			SW846-6010
Cobalt	U	0.01	mg/L			SW846-6010
Copper	U	0.03	mg/L			SW846-6010
Gallium	U	0.09	mg/L			SW846-6010
Iron	U	0.3	mg/L			SW846-6010
Lead	U	0.005	mg/L			SW846-7421
Lithium	U	0.08	mg/L			SW846-6010
Magnesium		23.1	mg/L			SW846-6010
Manganese	U	0.009	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Molybdenum	U	0.03	mg/L			SW846-6010
Nickel	U	0.04	mg/L			SW846-6010
Potassium	U	3	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	U	0.03	mg/L			SW846-6010
Sodium		51.7	mg/L			SW846-6010
Strontium		0.136	mg/L			SW846-6010
Thallium	U	0.002	mg/L			SW846-7841
Thorium	U	0.05	mg/L			SW846-6010
Titanium	U	0.06	mg/L			SW846-6010
Uranium	U	0.001	mg/L			SA-U-8
Vanadium	U	0.02	mg/L			SW846-6010
Zinc	U	0.05	mg/L			SW846-6010
Zirconium	U	0.02	mg/L			SW846-6010
<b>METAL-D</b>						
Aluminum	U	0.2	mg/L			SW846-6010
Antimony		0.01	mg/L			SW846-7041
Barium		0.026	mg/L			SW846-6010
Beryllium	U	0.002	mg/L			SW846-6010
Boron		1.47	mg/L			SW846-6010
Cadmium	U	0.0005	mg/L			SW846-7131

## MW179

## C746S-95

## C-746S&amp;T Landfill Monitoring C746S-95

Calcium		62.8	mg/L		SW846-6010
Cerium	U	0.08	mg/L		SW846-6010
Chromium	U	0.03	mg/L		SW846-6010
Cobalt	U	0.01	mg/L		SW846-6010
Copper	U	0.03	mg/L		SW846-6010
Gallium	U	0.09	mg/L		SW846-6010
Iron	U	0.3	mg/L		SW846-6010
Lead	U	0.005	mg/L		SW846-7421
Lithium	U	0.08	mg/L		SW846-6010
Magnesium		23.5	mg/L		SW846-6010
Manganese	U	0.009	mg/L		SW846-6010
Mercury	U	0.0002	mg/L		SW846-7470
Molybdenum	U	0.03	mg/L		SW846-6010
Nickel	U	0.04	mg/L		SW846-6010
Potassium	U	3	mg/L		SW846-6010
Selenium	U	0.005	mg/L		SW846-7740
Silver	U	0.03	mg/L		SW846-6010
Sodium		52.1	mg/L		SW846-6010
Strontium		0.138	mg/L		SW846-6010
Thallium	U	0.002	mg/L		SW846-7841
Thorium	U	0.05	mg/L		SW846-6010
Titanium	U	0.06	mg/L		SW846-6010
Vanadium	U	0.02	mg/L		SW846-6010
Zinc	U	0.05	mg/L		SW846-6010
Zirconium	U	0.02	mg/L		SW846-6010
<b>PHYSC</b>					
Chemical Oxygen Demand (COD)	<	5	mg/L		W-40
Dissolved Solids		480	mg/L		W-140
Specific Conductivity (PIP)		699	umho/cm		SA-COND-1
Turbidity		2	NTU		W-170
<b>RADS</b>					
Alpha activity	U	1000	pCi/L		R
Alpha activity		0.9	pCi/L	0.7	R-4
Beta activity		4	pCi/L	2	R-4
Beta activity	U	1000	pCi/L		R
Technetium-99		15	pCi/L	19	R-46
<b>SVOA</b>					
1,2-Dichlorobenzene	U	0.005	mg/L		SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		SW846-8260
<b>VOA</b>					
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		SW846-8260
1,1,2-Trichloro-1,2,2-trifluoroethane	U	0.005	mg/L		SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		SW846-8260
2-Butanone	JB	0.004	mg/L		SW846-8260
2-Chloroethyl vinyl ether	U	0.005	mg/L		SW846-8260
2-Hexanone	U	0.005	mg/L		SW846-8260
4-Methyl-2-pentanone	U	0.005	mg/L		SW846-8260

**MW179**

**C746S-95**

**C-746S&T Landfill Monitoring C746S-95**

Acetone	JB	0.005	mg/L	SW846-8260
Acrolein	U	0.005	mg/L	SW846-8260
Acrylonitrile	U	0.005	mg/L	SW846-8260
Benzene	U	0.005	mg/L	SW846-8260
Bromochloromethane	U	0.005	mg/L	SW846-8260
Bromodichloromethane	U	0.005	mg/L	SW846-8260
Bromoform	U	0.005	mg/L	SW846-8260
Bromomethane	U	0.005	mg/L	SW846-8260
Carbon disulfide	U	0.005	mg/L	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	SW846-8260
Chlorobenzene	J	0.001	mg/L	SW846-8260
Chloroethane	U	0.005	mg/L	SW846-8260
Chloromethane	U	0.005	mg/L	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Dibromochloromethane	U	0.005	mg/L	SW846-8260
Dibromomethane	U	0.005	mg/L	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	SW846-8260
Ethanol	U	0.2	mg/L	SW846-8260
Ethyl methacrylate	U	0.005	mg/L	SW846-8260
Ethylbenzene	J	0.001	mg/L	SW846-8260
Iodomethane	U	0.005	mg/L	SW846-8260
Methylene chloride	U	0.005	mg/L	SW846-8260
Styrene	U	0.005	mg/L	SW846-8260
Tetrachloroethene	J	0.002	mg/L	SW846-8260
Toluene	J	0.001	mg/L	SW846-8260
Total Xylene	J	0.003	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L	SW846-8260
Trichloroethene		0.005	mg/L	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L	SW846-8260
Vinyl acetate	U	0.005	mg/L	SW846-8260
Vinyl chloride	U	0.002	mg/L	SW846-8260

**5271-95**

Collected: 1/10/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)		0.017	mg/L			SW846-9020
<b>Field P</b>						
pH		6.1	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		701	umho/cm			SA-COND-1

**MW179**

**C746S-95**

**C-746S&T Landfill Monitoring C746S-95**

**5272-95**

Collected: 1/10/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)		0.011	mg/L			SW846-9020
<b>Field P</b>						
pH		6.1	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		700	umho/cm			SA-COND-1

**5273-95**

Collected: 1/10/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)		0.012	mg/L			SW846-9020
<b>Field P</b>						
pH		6.1	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		700	umho/cm			SA-COND-1

## MW179

## C746S-95

## C-746S&amp;T Landfill Monitoring C746S-95

## 5963-95

Collected: 4/4/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		31	mg/L			SW846-9251
Nitrate as Nitrogen		0.8	mg/L			SA-N-1
Sulfate		190	mg/L			SW846-9038
Total Organic Carbon (TOC)		1	mg/L			W-150
Total Organic Halides (TOX)		0.006	mg/L			SW846-9020
<b>Field P</b>						
Depth to Water		32.2	ft			
Dissolved Oxygen		4.11	mg/L			
pH		6.1	Std Unit			
Temperature		59	deg F			
<b>METAL</b>						
Aluminum		0.2	mg/L			SW846-6010
Antimony	U	0.006	mg/L			SW846-7041
Barium		0.026	mg/L			SW846-6010
Beryllium		0.002	mg/L			SW846-6010
Boron		1.54	mg/L			SW846-6010
Cadmium	U	0.0005	mg/L			SW846-7131
Calcium		64.7	mg/L			SW846-6010
Cerium		0.08	mg/L			SW846-6010
Chromium		0.03	mg/L			SW846-6010
Cobalt		0.01	mg/L			SW846-6010
Copper		0.03	mg/L			SW846-6010
Gallium		0.09	mg/L			SW846-6010
Iron		0.3	mg/L			SW846-6010
Lead	U	0.005	mg/L			SW846-7421
Lithium		0.08	mg/L			SW846-6010
Magnesium		23.5	mg/L			SW846-6010
Manganese		0.009	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Molybdenum		0.03	mg/L			SW846-6010
Nickel		0.04	mg/L			SW846-6010
Potassium		3	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver		0.03	mg/L			SW846-6010
Sodium		53.4	mg/L			SW846-6010
Strontium		0.141	mg/L			SW846-6010
Thallium	U	0.002	mg/L			SW846-7841
Thorium		0.05	mg/L			SW846-6010
Titanium		0.06	mg/L			SW846-6010
Uranium	U	0.001	mg/L			SA-U-8
Vanadium		0.02	mg/L			SW846-6010
Zinc		0.05	mg/L			SW846-6010
Zirconium		0.02	mg/L			SW846-6010
<b>METAL-D</b>						
Aluminum		0.2	mg/L			SW846-6010
Antimony		0.011	mg/L			SW846-7041
Barium		0.028	mg/L			SW846-6010
Beryllium		0.002	mg/L			SW846-6010
Boron		1.61	mg/L			SW846-6010

**MW179**

**C746S-95**

**C-746S&T Landfill Monitoring C746S-95**

Cadmium	U	0.0005	mg/L		SW846-7131
Calcium		64.4	mg/L		SW846-6010
Cerium		0.08	mg/L		SW846-6010
Chromium		0.03	mg/L		SW846-6010
Cobalt		0.01	mg/L		SW846-6010
Copper		0.03	mg/L		SW846-6010
Gallium		0.09	mg/L		SW846-6010
Iron		0.3	mg/L		SW846-6010
Lead	U	0.005	mg/L		SW846-7421
Lithium		0.08	mg/L		SW846-6010
Magnesium		23.4	mg/L		SW846-6010
Manganese		0.009	mg/L		SW846-6010
Mercury	U	0.0002	mg/L		SW846-7470
Molybdenum		0.03	mg/L		SW846-6010
Nickel		0.04	mg/L		SW846-6010
Potassium		3	mg/L		SW846-6010
Selenium	U	0.005	mg/L		SW846-7740
Silver		0.03	mg/L		SW846-6010
Sodium		53.7	mg/L		SW846-6010
Strontium		0.142	mg/L		SW846-6010
Thallium	U	0.002	mg/L		SW846-7841
Thorium		0.05	mg/L		SW846-6010
Titanium		0.06	mg/L		SW846-6010
Vanadium		0.02	mg/L		SW846-6010
Zinc		0.05	mg/L		SW846-6010
Zirconium		0.02	mg/L		SW846-6010

**PHYSC**

Chemical Oxygen Demand (COD)	<	5	mg/L		W-40
Dissolved Solids		518	mg/L		W-140
Specific Conductivity (PIP)		725	umho/cm		SA-COND-1
Turbidity		4.9	NTU		W-170

**RADS**

Alpha activity	U	1000	pCi/L		R
Alpha activity		4	pCi/L	2.3	R-4
Beta activity	U	1000	pCi/L		R
Beta activity		6	pCi/L	1	R-4
Technetium-99		4	pCi/L	4	R-46

**SVOA**

1,2-Dichlorobenzene	U	0.005	mg/L		SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		SW846-8260

**VOA**

1,1,1,2-Tetrachloroethane	U	0.005	mg/L		SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		SW846-8260
1,1,2-Trichloro-1,2,2-trifluoroethane	U	0.005	mg/L		SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		SW846-8260
2-Butanone	U	0.005	mg/L		SW846-8260
2-Chloroethyl vinyl ether	U	0.005	mg/L		SW846-8260
2-Hexanone	U	0.005	mg/L		SW846-8260

**MW179**

**C746S-95**

**C-746S&T Landfill Monitoring C746S-95**

4-Methyl-2-pentanone	U	0.005	mg/L	SW846-8260
Acetone	U	0.005	mg/L	SW846-8260
Acrolein	U	0.005	mg/L	SW846-8260
Acrylonitrile	U	0.005	mg/L	SW846-8260
Benzene	U	0.005	mg/L	SW846-8260
Bromochloromethane	U	0.005	mg/L	SW846-8260
Bromodichloromethane	U	0.005	mg/L	SW846-8260
Bromoform	U	0.005	mg/L	SW846-8260
Bromomethane	U	0.005	mg/L	SW846-8260
Carbon disulfide	U	0.005	mg/L	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	SW846-8260
Chlorobenzene	U	0.005	mg/L	SW846-8260
Chloroethane	U	0.005	mg/L	SW846-8260
Chloromethane	U	0.005	mg/L	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Dibromochloromethane	U	0.005	mg/L	SW846-8260
Dibromomethane	U	0.005	mg/L	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	SW846-8260
Ethanol	U	0.2	mg/L	SW846-8260
Ethyl methacrylate	U	0.005	mg/L	SW846-8260
Ethylbenzene	U	0.005	mg/L	SW846-8260
Iodomethane	U	0.005	mg/L	SW846-8260
Methylene chloride	U	0.005	mg/L	SW846-8260
Styrene	U	0.005	mg/L	SW846-8260
Tetrachloroethene	U	0.005	mg/L	SW846-8260
Toluene	U	0.005	mg/L	SW846-8260
Total Xylene	U	0.005	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L	SW846-8260
Trichloroethene		0.003	mg/L	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L	SW846-8260
Vinyl acetate	U	0.005	mg/L	SW846-8260
Vinyl chloride	U	0.002	mg/L	SW846-8260

**5964-95**

Collected: 4/4/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)		0.01	mg/L			SW846-9020
<b>Field P</b>						
pH		6.1	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		725	umho/cm			SA-COND-1

**MW179**

**C746S-95**

**C-746S&T Landfill Monitoring C746S-95**

**5965-95**

Collected: 4/4/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)		1	mg/L			W-150
Total Organic Halides (TOX)		0.012	mg/L			SW846-9020
<b>Field P</b>						
pH		6.1	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		725	umho/cm			SA-COND-1

**5966-95**

Collected: 4/4/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)		0.006	mg/L			SW846-9020
<b>Field P</b>						
pH		6.1	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		726	umho/cm			SA-COND-1



## MW179

## C746S-95

## C-746S&amp;T Landfill Monitoring C746S-95

## 6733-95

Collected: 7/11/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		33	mg/L			SW846-9251
Nitrate as Nitrogen		0.9	mg/L			SA-N-1
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)		0.006	mg/L			SW846-9020
<b>Field P</b>						
Depth to Water		29.09	ft			
Dissolved Oxygen		2.85	mg/L			
pH		5.9	Std Unit			
Temperature		60	deg F			
<b>METAL</b>						
Aluminum		0.2	mg/L			SW846-6010
Antimony	U	0.006	mg/L			SW846-7041
Barium		0.026	mg/L			SW846-6010
Beryllium		0.002	mg/L			SW846-6010
Boron		1.51	mg/L			SW846-6010
Cadmium	BNU	0.005	mg/L			SW846-7131
Calcium		68	mg/L			SW846-6010
Cerium		0.08	mg/L			SW846-6010
Chromium	U	0.025	mg/L			SW846-6010
Cobalt		0.01	mg/L			SW846-6010
Copper	U	0.025	mg/L			SW846-6010
Gallium		0.09	mg/L			SW846-6010
Iron		0.3	mg/L			SW846-6010
Lead	U	0.005	mg/L			SW846-7421
Lithium		0.08	mg/L			SW846-6010
Magnesium		24.3	mg/L			SW846-6010
Manganese		0.009	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Molybdenum		0.03	mg/L			SW846-6010
Nickel		0.04	mg/L			SW846-6010
Potassium		3	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	U	0.025	mg/L			SW846-6010
Sodium		55.3	mg/L			SW846-6010
Strontium		0.146	mg/L			SW846-6010
Thallium	U	0.002	mg/L			SW846-7841
Thorium		0.05	mg/L			SW846-6010
Titanium		0.06	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Vanadium		0.02	mg/L			SW846-6010
Zinc		0.05	mg/L			SW846-6010
Zirconium		0.02	mg/L			SW846-6010
<b>PHYSC</b>						
Chemical Oxygen Demand (COD)		10	mg/L			W-40
Dissolved Solids		512	mg/L			IN7475
Specific Conductivity (PIP)		770	umho/cm			EPA-120.1
Turbidity		2.2	NTU			IN7490
<b>RADS</b>						
Alpha activity	U	1000	pCi/L			R-56

## MW179

## C746S-95

## C-746S&amp;T Landfill Monitoring C746S-95

Alpha activity		2.2	pCi/L	0.7	R-4
Beta activity	U	1000	pCi/L		R-56
Beta activity		20	pCi/L	2	R-4
Technetium-99		18	pCi/L	11	R-46
<b>SVOA</b>					
1,2-Dichlorobenzene	U	0.005	mg/L		SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		SW846-8260
<b>VOA</b>					
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		SW846-8260
1,1,2-Trichloro-1,2,2-trifluoroethane	U	0.005	mg/L		SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		SW846-8260
2-Butanone	U	0.005	mg/L		SW846-8260
2-Chloroethyl vinyl ether	U	0.005	mg/L		SW846-8260
2-Hexanone	U	0.005	mg/L		SW846-8260
4-Methyl-2-pentanone	U	0.005	mg/L		SW846-8260
Acetone	B	0.007	mg/L		SW846-8260
Acrolein	U	0.005	mg/L		SW846-8260
Acrylonitrile	U	0.005	mg/L		SW846-8260
Benzene	U	0.005	mg/L		SW846-8260
Bromochloromethane	U	0.005	mg/L		SW846-8260
Bromodichloromethane	U	0.005	mg/L		SW846-8260
Bromoform	U	0.005	mg/L		SW846-8260
Bromomethane	U	0.005	mg/L		SW846-8260
Carbon disulfide	U	0.005	mg/L		SW846-8260
Carbon tetrachloride	U	0.005	mg/L		SW846-8260
Chlorobenzene	U	0.005	mg/L		SW846-8260
Chloroethane	U	0.005	mg/L		SW846-8260
Chloromethane	U	0.005	mg/L		SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		SW846-8260
Dibromochloromethane	U	0.005	mg/L		SW846-8260
Dibromomethane	U	0.005	mg/L		SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		SW846-8260
Ethanol	U	0.2	mg/L		SW846-8260
Ethyl methacrylate	U	0.005	mg/L		SW846-8260
Ethylbenzene	U	0.005	mg/L		SW846-8260
Iodomethane	U	0.005	mg/L		SW846-8260
Methylene chloride	U	0.005	mg/L		SW846-8260
Styrene	U	0.005	mg/L		SW846-8260
Tetrachloroethene	U	0.005	mg/L		SW846-8260
Toluene	U	0.005	mg/L		SW846-8260
Total Xylene	U	0.005	mg/L		SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		SW846-8260
Trichloroethene		0.003	mg/L		SW846-8260
Trichlorofluoromethane	U	0.005	mg/L		SW846-8260

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**MW179**

**C746S-95**

**C-746S&T Landfill Monitoring C746S-95**

Vinyl acetate	U	0.005	mg/L	SW846-8260
Vinyl chloride	U	0.002	mg/L	SW846-8260

**6734-95**

Collected: 7/11/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)		0.011	mg/L			SW846-9020
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		770	umho/cm			IN7125

**6735-95**

Collected: 7/11/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)		0.008	mg/L			SW846-9020
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		769	umho/cm			IN7125

**6736-95**

Collected: 7/11/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)		0.009	mg/L			SW846-9020
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		771	umho/cm			IN7125

MW179

C746S-95

C-746S&T Landfill Monitoring C746S-95

7569-95

Collected: 10/9/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		31.1	mg/L			IN7120
Nitrate as Nitrogen	U	1	mg/L			IN7120
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)		0.009	mg/L			SW846-9020
<b>Field P</b>						
Depth to Water		32.8	ft			
Dissolved Oxygen		4.52	mg/L			
pH		6.1	Std Unit			
Temperature		60	deg F			
<b>METAL</b>						
Antimony	U	0.003	mg/L			DNT
Barium	U	0.035	mg/L			SW846-6010
Beryllium	U	0.002	mg/L			DNT
Cadmium	U	0.01	mg/L			SW846-6010
Chromium	U	0.03	mg/L			SW846-6010
Cobalt	U	0.022	mg/L			SW846-6010
Copper	U	0.012	mg/L			SW846-6010
Iron	U	0.178	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Nickel	U	0.05	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	U	0.03	mg/L			SW846-6010
Sodium	N	51.5	mg/L			SW846-6010
Thallium	U	0.002	mg/L			DNT
Uranium	U	0.001	mg/L			IN7105
Vanadium		0.204	mg/L			SW846-6010
Zinc	U	0.015	mg/L			SW846-6010
<b>METAL-D</b>						
Sodium	N	49.4	mg/L			SW846-6010
Vanadium		0.113	mg/L			SW846-6010
<b>PHYSC</b>						
Chemical Oxygen Demand (COD)		5	mg/L			W-40
Dissolved Solids		487	mg/L			IN7475
Specific Conductivity (PIP)		731	umho/cm			IN7125
Turbidity		1.7	NTU			IN7490
<b>RADS</b>						
Alpha activity		1.3	pCi/L	0.7		R-4
Alpha activity	U	400	pCi/L			R-56
Beta activity		3	pCi/L	1		R-4
Beta activity	U	1000	pCi/L			R-56
Technetium-99		10	pCi/L	10		RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.00005	mg/L			SW846-8260
1,4-Dichlorobenzene	U	0.00005	mg/L			SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.00005	mg/L			SW846-8260
1,1,1-Trichloroethane	U	0.00005	mg/L			SW846-8260
1,1,2,2-Tetrachloroethane	U	0.00005	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.00005	mg/L			SW846-8260

## MW179

## C746S-95

## C-746S&amp;T Landfill Monitoring C746S-95

1,1-Dichloroethane	U	0.00005	mg/L	SW846-8260
1,1-Dichloroethene	U	0.00005	mg/L	SW846-8260
1,2,3-Trichloropropane	U	0.00005	mg/L	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.00005	mg/L	SW846-8260
1,2-Dibromoethane	U	0.00005	mg/L	SW846-8260
1,2-Dichloroethane	U	0.00005	mg/L	SW846-8260
1,2-Dichloropropane	U	0.00005	mg/L	SW846-8260
2-Butanone	U	0.005	mg/L	SW846-8260
2-Chloroethyl vinyl ether	U	0.001	mg/L	SW846-8260
2-Hexanone	U	0.005	mg/L	SW846-8260
4-Methyl-2-pentanone	U	0.005	mg/L	SW846-8260
Acetone	U	0.005	mg/L	SW846-8260
Acrolein	U	0.001	mg/L	SW846-8260
Acrylonitrile	U	0.001	mg/L	SW846-8260
Benzene	U	0.00005	mg/L	SW846-8260
Bromochloromethane	U	0.00005	mg/L	SW846-8260
Bromodichloromethane	U	0.00005	mg/L	SW846-8260
Bromoform	U	0.00005	mg/L	SW846-8260
Bromomethane	U	0.00005	mg/L	SW846-8260
Carbon disulfide	U	0.001	mg/L	SW846-8260
Carbon tetrachloride	U	0.00005	mg/L	SW846-8260
Chlorobenzene	U	0.00005	mg/L	SW846-8260
Chloroethane	U	0.00005	mg/L	SW846-8260
Chloroform	U	0.00005	mg/L	SW846-8260
Chloromethane	B	5.7E-05	mg/L	SW846-8260
cis-1,2-Dichloroethene		0.00012	mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.00005	mg/L	SW846-8260
Dibromochloromethane	U	0.00005	mg/L	SW846-8260
Dibromomethane	U	0.00005	mg/L	SW846-8260
Dichlorodifluoromethane	U	0.00005	mg/L	SW846-8260
Ethanol	U	0.25	mg/L	SW846-8260
Ethyl methacrylate	U	0.001	mg/L	SW846-8260
Ethylbenzene	U	0.00005	mg/L	SW846-8260
Iodomethane	U	0.001	mg/L	SW846-8260
m,p-Xylene	J	4.6E-05	mg/L	SW846-8260
Methylene chloride	U	0.00005	mg/L	SW846-8260
Styrene	U	0.00005	mg/L	SW846-8260
Tetrachloroethene	U	0.00005	mg/L	SW846-8260
Tetrachloroethene	U	0.00005	mg/L	SW846-8260
Toluene	U	0.00005	mg/L	SW846-8260
Total Xylene	U	0.00005	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.00005	mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.00005	mg/L	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.001	mg/L	SW846-8260
Trichloroethene		0.0038	mg/L	SW846-8260
Trichlorofluoromethane	U	0.00005	mg/L	SW846-8260
Vinyl acetate	U	0.001	mg/L	SW846-8260
Vinyl chloride	U	0.00005	mg/L	SW846-8260

**MW179**

**C746S-95**

**C-746S&T Landfill Monitoring C746S-95**

**7570-95**

Collected: 10/9/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)		0.006	mg/L			SW846-9020
<b>Field P</b>						
pH		6.1	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		733	umho/cm			IN7125

**7571-95**

Collected: 10/9/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)		0.008	mg/L			SW846-9020
<b>Field P</b>						
pH		6.1	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		733	umho/cm			IN7125

**7572-95**

Collected: 10/9/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)		0.012	mg/L			SW846-9020
<b>Field P</b>						
pH		6.1	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		731	umho/cm			IN7125

MW181

C746S-95

C-746S&T Landfill Monitoring C746S-95

5274-95

Collected: 1/9/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		56	mg/L			SW846-9251
Nitrate as Nitrogen		1.5	mg/L			SA-N-1
Total Organic Carbon (TOC)		1	mg/L			W-150
Total Organic Halides (TOX)		0.015	mg/L			SW846-9020
<b>Field P</b>						
Depth to Water		46.88	ft			
Dissolved Oxygen		6.17	mg/L			
pH		5.9	Std Unit			
Temperature		58	deg F			
<b>METAL</b>						
Aluminum		2	mg/L			SW846-6010
Antimony	U	0.006	mg/L			SW846-7041
Barium		0.227	mg/L			SW846-6010
Beryllium	U	0.002	mg/L			SW846-6010
Boron	U	0.03	mg/L			SW846-6010
Cadmium	U	0.0005	mg/L			SW846-7131
Calcium		32.3	mg/L			SW846-6010
Cerium	U	0.08	mg/L			SW846-6010
Chromium		0.34	mg/L			SW846-6010
Cobalt		0.01	mg/L			SW846-6010
Copper	U	0.03	mg/L			SW846-6010
Gallium	U	0.09	mg/L			SW846-6010
Iron		7.6	mg/L			SW846-6010
Lead	U	0.005	mg/L			SW846-7421
Lithium	U	0.08	mg/L			SW846-6010
Magnesium		12.4	mg/L			SW846-6010
Manganese		0.599	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Molybdenum	U	0.03	mg/L			SW846-6010
Nickel		0.43	mg/L			SW846-6010
Potassium	U	3	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	U	0.03	mg/L			SW846-6010
Sodium		53.7	mg/L			SW846-6010
Strontium		0.134	mg/L			SW846-6010
Thallium	U	0.002	mg/L			SW846-7841
Thorium	U	0.05	mg/L			SW846-6010
Titanium	U	0.06	mg/L			SW846-6010
Uranium	U	0.001	mg/L			SA-U-8
Vanadium	U	0.02	mg/L			SW846-6010
Zinc	U	0.05	mg/L			SW846-6010
Zirconium	U	0.02	mg/L			SW846-6010
<b>METAL-D</b>						
Aluminum	U	0.2	mg/L			SW846-6010
Antimony	U	0.006	mg/L			SW846-7041
Barium		0.168	mg/L			SW846-6010
Beryllium	U	0.002	mg/L			SW846-6010
Boron	U	0.03	mg/L			SW846-6010
Cadmium	U	0.0005	mg/L			SW846-7131

## MW181

## C746S-95

## C-746S&amp;T Landfill Monitoring C746S-95

Calcium		32.5	mg/L		SW846-6010
Cerium	U	0.08	mg/L		SW846-6010
Chromium	U	0.03	mg/L		SW846-6010
Cobalt	U	0.01	mg/L		SW846-6010
Copper	U	0.03	mg/L		SW846-6010
Gallium	U	0.09	mg/L		SW846-6010
Iron	U	0.3	mg/L		SW846-6010
Lead	U	0.005	mg/L		SW846-7421
Lithium	U	0.08	mg/L		SW846-6010
Magnesium		12.4	mg/L		SW846-6010
Manganese		0.033	mg/L		SW846-6010
Mercury	U	0.0002	mg/L		SW846-7470
Molybdenum	U	0.03	mg/L		SW846-6010
Nickel		0.14	mg/L		SW846-6010
Potassium	U	3	mg/L		SW846-6010
Selenium	U	0.005	mg/L		SW846-7740
Silver	U	0.03	mg/L		SW846-6010
Sodium		53.7	mg/L		SW846-6010
Strontium		0.133	mg/L		SW846-6010
Thallium	U	0.002	mg/L		SW846-7841
Thorium	U	0.05	mg/L		SW846-6010
Titanium	U	0.06	mg/L		SW846-6010
Vanadium	U	0.02	mg/L		SW846-6010
Zinc	U	0.05	mg/L		SW846-6010
Zirconium	U	0.02	mg/L		SW846-6010
<b>PHYSC</b>					
Chemical Oxygen Demand (COD)	<	5	mg/L		W-40
Dissolved Solids		252	mg/L		W-140
Specific Conductivity (PIP)		511	umho/cm		SA-COND-1
Turbidity		8.5	NTU		W-170
<b>RADS</b>					
Alpha activity	U	1000	pCi/L		R
Alpha activity		1.2	pCi/L	1.7	R-4
Beta activity	U	1000	pCi/L		R
Beta activity		100	pCi/L	5	R-4
Technetium-99		139	pCi/L	24	R-46
<b>SVOA</b>					
1,2-Dichlorobenzene	U	0.005	mg/L		SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		SW846-8260
<b>VOA</b>					
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		SW846-8260
1,1,2-Trichloro-1,2,2-trifluoroethane	U	0.005	mg/L		SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		SW846-8260
2-Butanone	JB	0.003	mg/L		SW846-8260
2-Chloroethyl vinyl ether	U	0.005	mg/L		SW846-8260
2-Hexanone	U	0.005	mg/L		SW846-8260
4-Methyl-2-pentanone	U	0.005	mg/L		SW846-8260



**MW181**

**C746S-95**

**C-746S&T Landfill Monitoring C746S-95**

Acetone	U	0.005	mg/L	SW846-8260
Acrolein	U	0.005	mg/L	SW846-8260
Acrylonitrile	U	0.005	mg/L	SW846-8260
Benzene	U	0.005	mg/L	SW846-8260
Bromochloromethane	U	0.005	mg/L	SW846-8260
Bromodichloromethane	U	0.005	mg/L	SW846-8260
Bromoform	U	0.005	mg/L	SW846-8260
Bromomethane	U	0.005	mg/L	SW846-8260
Carbon disulfide	U	0.005	mg/L	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	SW846-8260
Chlorobenzene	U	0.005	mg/L	SW846-8260
Chloroethane	U	0.005	mg/L	SW846-8260
Chloromethane	U	0.005	mg/L	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Dibromochloromethane	U	0.005	mg/L	SW846-8260
Dibromomethane	U	0.005	mg/L	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	SW846-8260
Ethanol	U	0.2	mg/L	SW846-8260
Ethyl methacrylate	U	0.005	mg/L	SW846-8260
Ethylbenzene	U	0.005	mg/L	SW846-8260
Iodomethane	U	0.005	mg/L	SW846-8260
Methylene chloride	U	0.005	mg/L	SW846-8260
Styrene	U	0.005	mg/L	SW846-8260
Tetrachloroethene	U	0.005	mg/L	SW846-8260
Toluene	U	0.005	mg/L	SW846-8260
Total Xylene	U	0.005	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L	SW846-8260
Trichloroethene	U	0.001	mg/L	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L	SW846-8260
Vinyl acetate	U	0.005	mg/L	SW846-8260
Vinyl chloride	U	0.002	mg/L	SW846-8260

**5275-95**

Collected: 1/9/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)		0.015	mg/L			SW846-9020
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		511	umho/cm			SA-COND-1

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**MW181**

**C746S-95**

**C-746S&T Landfill Monitoring C746S-95**

**5276-95**

Collected: 1/9/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)		0.013	mg/L			SW846-9020
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		512	umho/cm			SA-COND-1

**5277-95**

Collected: 1/9/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)		0.019	mg/L			SW846-9020
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		512	umho/cm			SA-COND-1

**5315-95**

Collected: 1/9/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)		0.007	mg/L			SW846-9020
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		510	umho/cm			SA-COND-1

**5316-95**

Collected: 1/9/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)		0.011	mg/L			SW846-9020
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		511	umho/cm			SA-COND-1

**MW181**  
**C746S-95**  
**5317-95**

**C-746S&T Landfill Monitoring C746S-95**

Collected: 1/9/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)		0.012	mg/L			SW846-9020
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		511	umho/cm			SA-COND-1

MW181

C746S-95

C-746S&T Landfill Monitoring C746S-95

5967-95

Collected: 4/3/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		43	mg/L			SW846-9251
Nitrate as Nitrogen		2.2	mg/L			SA-N-1
Sulfate		40	mg/L			SW846-9038
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)		0.01	mg/L			SW846-9020
<b>Field P</b>						
Depth to Water		44.35	ft			
Dissolved Oxygen		7.1	mg/L			
pH		5.8	Std Unit			
Temperature		60	deg F			
<b>METAL</b>						
Aluminum		3.5	mg/L			SW846-6010
Antimony	U	0.006	mg/L			SW846-7041
Barium		0.245	mg/L			SW846-6010
Beryllium		0.002	mg/L			SW846-6010
Boron		0.03	mg/L			SW846-6010
Cadmium	U	0.0005	mg/L			SW846-7131
Calcium		26.6	mg/L			SW846-6010
Cerium		0.08	mg/L			SW846-6010
Chromium		0.14	mg/L			SW846-6010
Cobalt		0.01	mg/L			SW846-6010
Copper		0.03	mg/L			SW846-6010
Gallium		0.09	mg/L			SW846-6010
Iron		13.2	mg/L			SW846-6010
Lead	U	0.005	mg/L			SW846-7421
Lithium		0.08	mg/L			SW846-6010
Magnesium		10.2	mg/L			SW846-6010
Manganese		0.863	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Molybdenum		0.03	mg/L			SW846-6010
Nickel		0.12	mg/L			SW846-6010
Potassium		3	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver		0.03	mg/L			SW846-6010
Sodium		45.9	mg/L			SW846-6010
Strontium		0.11	mg/L			SW846-6010
Thallium	U	0.002	mg/L			SW846-7841
Thorium		0.05	mg/L			SW846-6010
Titanium		0.06	mg/L			SW846-6010
Uranium	U	0.001	mg/L			SA-U-8
Vanadium		0.02	mg/L			SW846-6010
Zinc		0.05	mg/L			SW846-6010
Zirconium		0.02	mg/L			SW846-6010
<b>METAL-D</b>						
Aluminum		0.2	mg/L			SW846-6010
Antimony	U	0.006	mg/L			SW846-7041
Barium		0.161	mg/L			SW846-6010
Beryllium		0.002	mg/L			SW846-6010
Boron		0.03	mg/L			SW846-6010

## MW181

## C746S-95

## C-746S&amp;T Landfill Monitoring C746S-95

Cadmium	U	0.0005	mg/L	SW846-7131
Calcium		26.8	mg/L	SW846-6010
Cerium		0.08	mg/L	SW846-6010
Chromium		0.03	mg/L	SW846-6010
Cobalt		0.01	mg/L	SW846-6010
Copper		0.03	mg/L	SW846-6010
Gallium		0.09	mg/L	SW846-6010
Iron		0.3	mg/L	SW846-6010
Lead	U	0.005	mg/L	SW846-7421
Lithium		0.08	mg/L	SW846-6010
Magnesium		10.2	mg/L	SW846-6010
Manganese		0.041	mg/L	SW846-6010
Mercury	U	0.0002	mg/L	SW846-7470
Molybdenum		0.03	mg/L	SW846-6010
Nickel		0.11	mg/L	SW846-6010
Potassium		3	mg/L	SW846-6010
Selenium	U	0.005	mg/L	SW846-7740
Silver		0.03	mg/L	SW846-6010
Sodium		47.2	mg/L	SW846-6010
Strontium		0.108	mg/L	SW846-6010
Thallium	U	0.002	mg/L	SW846-7841
Thorium		0.05	mg/L	SW846-6010
Titanium		0.06	mg/L	SW846-6010
Vanadium		0.02	mg/L	SW846-6010
Zinc		0.05	mg/L	SW846-6010
Zirconium		0.02	mg/L	SW846-6010

**PHYSC**

Chemical Oxygen Demand (COD)		5	mg/L	W-40
Dissolved Solids		249	mg/L	W-140
Specific Conductivity (PIP)		421	umho/cm	SA-COND-1
Turbidity		130	NTU	W-170

**RADS**

Alpha activity		1	pCi/L	0.4	R-4
Alpha activity	U	1000	pCi/L		R
Beta activity		22	pCi/L	3	R-4
Beta activity	U	1000	pCi/L		R
Technetium-99		20	pCi/L	19	R-46

**SVOA**

1,2-Dichlorobenzene	U	0.005	mg/L	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L	SW846-8260

**VOA**

1,1,1,2-Tetrachloroethane	U	0.005	mg/L	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	SW846-8260
1,1,2-Trichloro-1,2,2-trifluoroethane	U	0.005	mg/L	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	SW846-8260
2-Butanone	U	0.005	mg/L	SW846-8260
2-Chloroethyl vinyl ether	U	0.005	mg/L	SW846-8260
2-Hexanone	U	0.005	mg/L	SW846-8260

**MW181**

**C746S-95**

**C-746S&T Landfill Monitoring C746S-95**

4-Methyl-2-pentanone	U	0.005	mg/L	SW846-8260
Acetone	U	0.005	mg/L	SW846-8260
Acrolein	U	0.005	mg/L	SW846-8260
Acrylonitrile	U	0.005	mg/L	SW846-8260
Benzene	U	0.005	mg/L	SW846-8260
Bromochloromethane	U	0.005	mg/L	SW846-8260
Bromodichloromethane	U	0.005	mg/L	SW846-8260
Bromoform	U	0.005	mg/L	SW846-8260
Bromomethane	U	0.005	mg/L	SW846-8260
Carbon disulfide	U	0.005	mg/L	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	SW846-8260
Chlorobenzene	U	0.005	mg/L	SW846-8260
Chloroethane	U	0.005	mg/L	SW846-8260
Chloromethane	U	0.005	mg/L	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Dibromochloromethane	U	0.005	mg/L	SW846-8260
Dibromomethane	U	0.005	mg/L	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	SW846-8260
Ethanol	U	0.2	mg/L	SW846-8260
Ethyl methacrylate	U	0.005	mg/L	SW846-8260
Ethylbenzene	U	0.005	mg/L	SW846-8260
Iodomethane	U	0.005	mg/L	SW846-8260
Methylene chloride	U	0.005	mg/L	SW846-8260
Styrene	U	0.005	mg/L	SW846-8260
Tetrachloroethene	U	0.005	mg/L	SW846-8260
Toluene	U	0.005	mg/L	SW846-8260
Total Xylene	U	0.005	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L	SW846-8260
Trichloroethene	U	0.001	mg/L	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L	SW846-8260
Vinyl acetate	U	0.005	mg/L	SW846-8260
Vinyl chloride	U	0.002	mg/L	SW846-8260

**5968-95**

Collected: 4/3/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)		0.005	mg/L			SW846-9020
<b>Field P</b>						
pH		5.8	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		423	umho/cm			SA-COND-1

**MW181**

**C746S-95**

**C-746S&T Landfill Monitoring C746S-95**

**5969-95**

Collected: 4/3/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)		0.008	mg/L			SW846-9020
<b>Field P</b>						
pH		5.8	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		419	umho/cm			SA-COND-1

**5970-95**

Collected: 4/3/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)		0.006	mg/L			SW846-9020
<b>Field P</b>						
pH		5.8	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		422	umho/cm			SA-COND-1

**MW181**

**C746S-95**

**C-746S&T Landfill Monitoring C746S-95**

**6737-95**

Collected: 7/10/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		43	mg/L			SW846-9251
Nitrate as Nitrogen		3	mg/L			SA-N-1
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)	U	0.005	mg/L			SW846-9020
<b>Field P</b>						
Depth to Water		41.31	ft			
Dissolved Oxygen		5.15	mg/L			
pH		6	Std Unit			
Temperature		61	deg F			
<b>METAL</b>						
Aluminum		1.4	mg/L			SW846-6010
Antimony	U	0.006	mg/L			SW846-7041
Barium		0.189	mg/L			SW846-6010
Beryllium		0.002	mg/L			SW846-6010
Boron		0.03	mg/L			SW846-6010
Cadmium	BNU	0.005	mg/L			SW846-7131
Calcium		25.2	mg/L			SW846-6010
Cerium		0.08	mg/L			SW846-6010
Chromium		0.066	mg/L			SW846-6010
Cobalt		0.01	mg/L			SW846-6010
Copper	U	0.025	mg/L			SW846-6010
Gallium		0.09	mg/L			SW846-6010
Iron		4.7	mg/L			SW846-6010
Lead	U	0.005	mg/L			SW846-7421
Lithium		0.08	mg/L			SW846-6010
Magnesium		9.7	mg/L			SW846-6010
Manganese		0.361	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Molybdenum		0.03	mg/L			SW846-6010
Nickel		0.08	mg/L			SW846-6010
Potassium		3	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	U	0.025	mg/L			SW846-6010
Sodium	N	43	mg/L			SW846-6010
Strontium		0.104	mg/L			SW846-6010
Thallium	U	0.002	mg/L			SW846-7841
Thorium		0.05	mg/L			SW846-6010
Titanium		0.06	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Vanadium		0.02	mg/L			SW846-6010
Zinc		0.05	mg/L			SW846-6010
Zirconium		0.02	mg/L			SW846-6010
<b>PHYSC</b>						
Chemical Oxygen Demand (COD)	<	5	mg/L			W-40
Dissolved Solids		215	mg/L			IN7475
Specific Conductivity (PIP)		429	umho/cm			EPA-120.1
Turbidity		36	NTU			IN7490
<b>RADS</b>						
Alpha activity	U	1000	pCi/L			R-56



## MW181

## C746S-95

Alpha activity		0.6	pCi/L	0.3	R-4
Beta activity		21	pCi/L	2	R-4
Beta activity	U	1000	pCi/L		R-56
Technetium-99		17	pCi/L	11	R-46

## SVOA

1,2-Dichlorobenzene	U	0.005	mg/L		SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		SW846-8260

## VOA

1,1,1,2-Tetrachloroethane	U	0.005	mg/L		SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		SW846-8260
1,1,2-Trichloro-1,2,2-trifluoroethane	U	0.005	mg/L		SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		SW846-8260
2-Butanone	U	0.005	mg/L		SW846-8260
2-Chloroethyl vinyl ether	U	0.005	mg/L		SW846-8260
2-Hexanone	U	0.005	mg/L		SW846-8260
4-Methyl-2-pentanone	U	0.005	mg/L		SW846-8260
Acetone	B	0.016	mg/L		SW846-8260
Acrolein	U	0.005	mg/L		SW846-8260
Acrylonitrile	U	0.005	mg/L		SW846-8260
Benzene	U	0.005	mg/L		SW846-8260
Bromochloromethane	U	0.005	mg/L		SW846-8260
Bromodichloromethane	U	0.005	mg/L		SW846-8260
Bromoform	U	0.005	mg/L		SW846-8260
Bromomethane	U	0.005	mg/L		SW846-8260
Carbon disulfide	U	0.005	mg/L		SW846-8260
Carbon tetrachloride	U	0.005	mg/L		SW846-8260
Chlorobenzene	U	0.005	mg/L		SW846-8260
Chloroethane	U	0.005	mg/L		SW846-8260
Chloromethane	U	0.005	mg/L		SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		SW846-8260
Dibromochloromethane	U	0.005	mg/L		SW846-8260
Dibromomethane	U	0.005	mg/L		SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		SW846-8260
Ethanol	U	0.2	mg/L		SW846-8260
Ethyl methacrylate	U	0.005	mg/L		SW846-8260
Ethylbenzene	U	0.005	mg/L		SW846-8260
Iodomethane	U	0.005	mg/L		SW846-8260
Methylene chloride	U	0.005	mg/L		SW846-8260
Styrene	U	0.005	mg/L		SW846-8260
Tetrachloroethene	U	0.005	mg/L		SW846-8260
Toluene	U	0.005	mg/L		SW846-8260
Total Xylene	U	0.005	mg/L		SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		SW846-8260
Trichloroethene	U	0.001	mg/L		SW846-8260
Trichlorofluoromethane	U	0.005	mg/L		SW846-8260

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**MW181**

**C746S-95**

**C-746S&T Landfill Monitoring C746S-95**

Vinyl acetate	U	0.005	mg/L	SW846-8260
Vinyl chloride	U	0.002	mg/L	SW846-8260

**6738-95**

Collected: 7/10/1995      Media Type: WG      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)		0.006	mg/L			SW846-9020
<b>Field P</b>						
pH		6.1	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		428	umho/cm			EPA-120.1

**6739-95**

Collected: 7/10/1995      Media Type: WG      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)	U	0.005	mg/L			SW846-9020
<b>Field P</b>						
pH		6.1	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		429	umho/cm			EPA-120.1

**6740-95**

Collected: 7/10/1995      Media Type: WG      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)		0.007	mg/L			SW846-9020
<b>Field P</b>						
pH		6.1	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		429	umho/cm			EPA-120.1

MW181

C746S-95

C-746S&amp;T Landfill Monitoring C746S-95

7573-95

Collected: 10/9/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		43.5	mg/L			IN7120
Nitrate as Nitrogen		2	mg/L			IN7120
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)		0.032	mg/L			SW846-9020
<b>Field P</b>						
Depth to Water		44.6	ft			
Dissolved Oxygen		10.11	mg/L			
pH		6.7	Std Unit			
Temperature		59	deg F			
<b>METAL</b>						
Antimony	U	0.003	mg/L			DNT
Barium		0.189	mg/L			SW846-6010
Beryllium	U	0.002	mg/L			DNT
Cadmium	U	0.01	mg/L			SW846-6010
Chromium		0.206	mg/L			SW846-6010
Cobalt	U	0.022	mg/L			SW846-6010
Copper	U	0.012	mg/L			SW846-6010
Iron		5.35	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Nickel		0.128	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	U	0.03	mg/L			SW846-6010
Sodium	N	44.7	mg/L			SW846-6010
Thallium	U	0.002	mg/L			DNT
Uranium	U	0.001	mg/L			IN7105
Vanadium		0.099	mg/L			SW846-6010
Zinc		0.024	mg/L			SW846-6010
<b>METAL-D</b>						
Barium		0.148	mg/L			SW846-6010
Chromium	U	0.03	mg/L			SW846-6010
Iron	U	0.355	mg/L			SW846-6010
Nickel	U	0.1	mg/L			SW846-6010
Sodium	N	43.5	mg/L			SW846-6010
Vanadium		0.053	mg/L			SW846-6010
Zinc	U	0.03	mg/L			SW846-6010
<b>PHYSIC</b>						
Chemical Oxygen Demand (COD)	<	5	mg/L			W-40
Dissolved Solids		263	mg/L			IN7475
Specific Conductivity (PIP)		451	umho/cm			IN7125
Turbidity		19	NTU			IN7490
<b>RADS</b>						
Alpha activity		1.9	pCi/L	0.8		R-4
Alpha activity	U	400	pCi/L			R-56
Beta activity		54	pCi/L	5		R-4
Beta activity	U	1000	pCi/L			R-56
Technetium-99		68	pCi/L	12		RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.00005	mg/L			SW846-8260
1,4-Dichlorobenzene	U	0.00005	mg/L			SW846-8260

## MW181

## C746S-95

## C-746S&amp;T Landfill Monitoring C746S-95

## VOA

1,1,1,2-Tetrachloroethane	U	0.00005	mg/L	SW846-8260
1,1,1-Trichloroethane	U	0.00005	mg/L	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.00005	mg/L	SW846-8260
1,1,2-Trichloroethane	U	0.00005	mg/L	SW846-8260
1,1-Dichloroethane	U	0.00005	mg/L	SW846-8260
1,1-Dichloroethene	U	0.00005	mg/L	SW846-8260
1,2,3-Trichloropropane	U	0.00005	mg/L	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.00005	mg/L	SW846-8260
1,2-Dibromoethane	U	0.00005	mg/L	SW846-8260
1,2-Dichloroethane	U	0.00005	mg/L	SW846-8260
1,2-Dichloropropane	U	0.00005	mg/L	SW846-8260
2-Butanone	U	0.005	mg/L	SW846-8260
2-Chloroethyl vinyl ether	U	0.001	mg/L	SW846-8260
2-Hexanone	U	0.005	mg/L	SW846-8260
4-Methyl-2-pentanone	U	0.005	mg/L	SW846-8260
Acetone	B	0.0055	mg/L	SW846-8260
Acrolein	U	0.001	mg/L	SW846-8260
Acrylonitrile	U	0.001	mg/L	SW846-8260
Benzene	U	0.00005	mg/L	SW846-8260
Bromochloromethane	U	0.00005	mg/L	SW846-8260
Bromodichloromethane	U	0.00005	mg/L	SW846-8260
Bromoform	U	0.00005	mg/L	SW846-8260
Bromomethane	B	5.5E-05	mg/L	SW846-8260
Carbon disulfide	U	0.001	mg/L	SW846-8260
Carbon tetrachloride	U	0.00005	mg/L	SW846-8260
Chlorobenzene	U	0.00005	mg/L	SW846-8260
Chloroethane	U	0.00005	mg/L	SW846-8260
Chloroform	B	7.6E-05	mg/L	SW846-8260
Chloromethane	B	0.00018	mg/L	SW846-8260
cis-1,2-Dichloroethene	U	0.00005	mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.00005	mg/L	SW846-8260
Dibromochloromethane	U	0.00005	mg/L	SW846-8260
Dibromomethane	U	0.00005	mg/L	SW846-8260
Dichlorodifluoromethane	U	0.00005	mg/L	SW846-8260
Ethanol	U	0.25	mg/L	SW846-8260
Ethyl methacrylate	U	0.001	mg/L	SW846-8260
Ethylbenzene	U	0.00005	mg/L	SW846-8260
Iodomethane	U	0.001	mg/L	SW846-8260
m,p-Xylene	U	0.0001	mg/L	SW846-8260
Methylene chloride	B	5.5E-05	mg/L	SW846-8260
Styrene	U	0.00005	mg/L	SW846-8260
Tetrachloroethene	U	0.00005	mg/L	SW846-8260
Tetrachloroethene	U	0.00005	mg/L	SW846-8260
Toluene	B	0.00023	mg/L	SW846-8260
Total Xylene	U	0.00005	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.00005	mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.00005	mg/L	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.001	mg/L	SW846-8260
Trichloroethene		0.001	mg/L	SW846-8260
Trichlorofluoromethane	U	0.00005	mg/L	SW846-8260
Vinyl acetate	U	0.001	mg/L	SW846-8260
Vinyl chloride	U	0.00005	mg/L	SW846-8260

**MW181**

**C746S-95**

**C-746S&T Landfill Monitoring C746S-95**

**7574-95**

Collected: 10/9/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)		1	mg/L			W-150
Total Organic Halides (TOX)		0.008	mg/L			SW846-9020
<b>Field P</b>						
pH		6.7	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		452	umho/cm			IN7125

**7575-95**

Collected: 10/9/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)		0.013	mg/L			SW846-9020
<b>Field P</b>						
pH		6.7	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		451	umho/cm			IN7125

**7576-95**

Collected: 10/9/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)	U	0.005	mg/L			SW846-9020
<b>Field P</b>						
pH		6.7	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		451	umho/cm			IN7125

**8098-95**

Collected: 11/14/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		45.87	ft			
Dissolved Oxygen		5.47	mg/L			
pH		6	Std Unit			
Temperature		58	deg F			
<b>METAL</b>						
Chromium		0.097	mg/L			SW846-6010
<b>METAL-D</b>						
Chromium	U	0.06	mg/L			SW846-6010

## MW181

## C746S-95

## C-746S&amp;T Landfill Monitoring C746S-95

## 5314-95

Collected: 1/9/1995

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		56	mg/L			SW846-9251
Nitrate as Nitrogen		1.8	mg/L			SA-N-1
Total Organic Carbon (TOC)		1	mg/L			W-150
Total Organic Halides (TOX)		0.013	mg/L			SW846-9020
<b>Field P</b>						
Depth to Water		46.88	ft			
Dissolved Oxygen		6.17	mg/L			
pH		5.9	Std Unit			
Temperature		58	deg F			
<b>METAL</b>						
Aluminum		11.9	mg/L			SW846-6010
Antimony	U	0.006	mg/L			SW846-7041
Barium		0.461	mg/L			SW846-6010
Beryllium	U	0.002	mg/L			SW846-6010
Boron	U	0.03	mg/L			SW846-6010
Cadmium		0.0007	mg/L			SW846-7131
Calcium		33.2	mg/L			SW846-6010
Cerium	U	0.08	mg/L			SW846-6010
Chromium		0.23	mg/L			SW846-6010
Cobalt		0.02	mg/L			SW846-6010
Copper	U	0.03	mg/L			SW846-6010
Gallium	U	0.09	mg/L			SW846-6010
Iron		33.2	mg/L			SW846-6010
Lead	U	0.005	mg/L			SW846-7421
Lithium	U	0.08	mg/L			SW846-6010
Magnesium		13.2	mg/L			SW846-6010
Manganese		2.97	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Molybdenum	U	0.03	mg/L			SW846-6010
Nickel		0.08	mg/L			SW846-6010
Potassium	U	3	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	U	0.03	mg/L			SW846-6010
Sodium		53.1	mg/L			SW846-6010
Strontium		0.15	mg/L			SW846-6010
Thallium	U	0.002	mg/L			SW846-7841
Thorium	U	0.05	mg/L			SW846-6010
Titanium		0.12	mg/L			SW846-6010
Uranium	U	0.001	mg/L			SA-U-8
Vanadium	U	0.02	mg/L			SW846-6010
Zinc	U	0.05	mg/L			SW846-6010
Zirconium	U	0.02	mg/L			SW846-6010
<b>METAL-D</b>						
Aluminum	U	0.2	mg/L			SW846-6010
Antimony	U	0.006	mg/L			SW846-7041
Barium		0.166	mg/L			SW846-6010
Beryllium	U	0.002	mg/L			SW846-6010
Boron	U	0.03	mg/L			SW846-6010
Cadmium	U	0.0005	mg/L			SW846-7131

## MW181

## C746S-95

## C-746S&amp;T Landfill Monitoring C746S-95

Calcium		32.7	mg/L		SW846-6010
Cerium	U	0.08	mg/L		SW846-6010
Chromium	U	0.03	mg/L		SW846-6010
Cobalt	U	0.01	mg/L		SW846-6010
Copper	U	0.03	mg/L		SW846-6010
Gallium	U	0.09	mg/L		SW846-6010
Iron	U	0.3	mg/L		SW846-6010
Lead	U	0.005	mg/L		SW846-7421
Lithium	U	0.08	mg/L		SW846-6010
Magnesium		12.4	mg/L		SW846-6010
Manganese		0.011	mg/L		SW846-6010
Mercury	U	0.0002	mg/L		SW846-7470
Molybdenum	U	0.03	mg/L		SW846-6010
Nickel	U	0.04	mg/L		SW846-6010
Potassium	U	3	mg/L		SW846-6010
Selenium	U	0.005	mg/L		SW846-7740
Silver	U	0.03	mg/L		SW846-6010
Sodium		53.3	mg/L		SW846-6010
Strontium		0.135	mg/L		SW846-6010
Thallium	U	0.002	mg/L		SW846-7841
Thorium	U	0.05	mg/L		SW846-6010
Titanium	U	0.06	mg/L		SW846-6010
Vanadium	U	0.02	mg/L		SW846-6010
Zinc	U	0.05	mg/L		SW846-6010
Zirconium	U	0.02	mg/L		SW846-6010
<b>PHYSC</b>					
Chemical Oxygen Demand (COD)	<	5	mg/L		W-40
Dissolved Solids		274	mg/L		W-140
Specific Conductivity (PIP)		511	umho/cm		SA-COND-1
Turbidity		380	NTU		W-170
<b>RADS</b>					
Alpha activity	U	1000	pCi/L		R
Alpha activity		2.9	pCi/L	2	R-4
Beta activity	U	1000	pCi/L		R
Beta activity		151	pCi/L	6	R-4
Technetium-99		187	pCi/L	26	R-46
<b>SVOA</b>					
1,2-Dichlorobenzene	U	0.005	mg/L		SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		SW846-8260
<b>VOA</b>					
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		SW846-8260
1,1,2-Trichloro-1,2,2-trifluoroethane	U	0.005	mg/L		SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		SW846-8260
2-Butanone	JB	0.003	mg/L		SW846-8260
2-Chloroethyl vinyl ether	U	0.005	mg/L		SW846-8260
2-Hexanone	U	0.005	mg/L		SW846-8260
4-Methyl-2-pentanone	U	0.005	mg/L		SW846-8260

**MW181****C746S-95****C-746S&T Landfill Monitoring C746S-95**

Acetone	U	0.005	mg/L	SW846-8260
Acrolein	U	0.005	mg/L	SW846-8260
Acrylonitrile	U	0.005	mg/L	SW846-8260
Benzene	U	0.005	mg/L	SW846-8260
Bromochloromethane	U	0.005	mg/L	SW846-8260
Bromodichloromethane	U	0.005	mg/L	SW846-8260
Bromoform	U	0.005	mg/L	SW846-8260
Bromomethane	U	0.005	mg/L	SW846-8260
Carbon disulfide	U	0.005	mg/L	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	SW846-8260
Chlorobenzene	U	0.005	mg/L	SW846-8260
Chloroethane	U	0.005	mg/L	SW846-8260
Chloromethane	U	0.005	mg/L	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Dibromochloromethane	U	0.005	mg/L	SW846-8260
Dibromomethane	U	0.005	mg/L	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	SW846-8260
Ethanol	U	0.2	mg/L	SW846-8260
Ethyl methacrylate	U	0.005	mg/L	SW846-8260
Ethylbenzene	U	0.005	mg/L	SW846-8260
Iodomethane	U	0.005	mg/L	SW846-8260
Methylene chloride	U	0.005	mg/L	SW846-8260
Styrene	U	0.005	mg/L	SW846-8260
Tetrachloroethene	U	0.005	mg/L	SW846-8260
Toluene	U	0.005	mg/L	SW846-8260
Total Xylene	U	0.005	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L	SW846-8260
Trichloroethene	U	0.001	mg/L	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L	SW846-8260
Vinyl acetate	U	0.005	mg/L	SW846-8260
Vinyl chloride	U	0.002	mg/L	SW846-8260



## MW181

## C746S-95

## C-746S&amp;T Landfill Monitoring C746S-95

## 7617-95

Collected: 10/9/1995

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		42.2	mg/L			IN7120
Nitrate as Nitrogen		2	mg/L			IN7120
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)		0.005	mg/L			SW846-9020
<b>Field P</b>						
Depth to Water		44.6	ft			
Dissolved Oxygen		10.11	mg/L			
pH		6.7	Std Unit			
Temperature		59	deg F			
<b>METAL</b>						
Antimony	U	0.003	mg/L			DNT
Barium		0.16	mg/L			SW846-6010
Beryllium	U	0.002	mg/L			DNT
Cadmium	JU	0.01	mg/L			SW846-6010
Chromium		0.082	mg/L			SW846-6010
Cobalt	U	0.022	mg/L			SW846-6010
Copper	U	0.012	mg/L			SW846-6010
Iron		1.37	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Nickel	U	0.05	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	JU	0.03	mg/L			SW846-6010
Sodium	N	44.6	mg/L			SW846-6010
Thallium	U	0.002	mg/L			DNT
Uranium	U	0.001	mg/L			IN7105
Vanadium		0.094	mg/L			SW846-6010
Zinc	U	0.015	mg/L			SW846-6010
<b>METAL-D</b>						
Barium		0.133	mg/L			SW846-6010
Chromium	U	0.03	mg/L			SW846-6010
Iron	U	0.355	mg/L			SW846-6010
Sodium	N	41	mg/L			SW846-6010
Vanadium		0.05	mg/L			SW846-6010
<b>PHYSIC</b>						
Chemical Oxygen Demand (COD)	<	5	mg/L			W-40
Dissolved Solids		255	mg/L			IN7475
Specific Conductivity (PIP)		447	umho/cm			IN7125
Turbidity		12	NTU			IN7490
<b>RADS</b>						
Alpha activity	U	400	pCi/L			R-56
Alpha activity		-1.8	pCi/L	-1.1		R-4
Beta activity		61	pCi/L	6		R-4
Beta activity	U	1000	pCi/L			R-56
Technetium-99		69	pCi/L	12		RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.00005	mg/L			SW846-8260
1,4-Dichlorobenzene	U	0.00005	mg/L			SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.00005	mg/L			SW846-8260

## MW181

## C746S-95

## C-746S&amp;T Landfill Monitoring C746S-95

1,1,1-Trichloroethane	U	0.00005	mg/L	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.00005	mg/L	SW846-8260
1,1,2-Trichloroethane	U	0.00005	mg/L	SW846-8260
1,1-Dichloroethane	U	0.00005	mg/L	SW846-8260
1,1-Dichloroethene	U	0.00005	mg/L	SW846-8260
1,2,3-Trichloropropane	U	0.00005	mg/L	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.00005	mg/L	SW846-8260
1,2-Dibromoethane	U	0.00005	mg/L	SW846-8260
1,2-Dichloroethane	U	0.00005	mg/L	SW846-8260
1,2-Dichloropropane	U	0.00005	mg/L	SW846-8260
2-Butanone	U	0.005	mg/L	SW846-8260
2-Chloroethyl vinyl ether	U	0.001	mg/L	SW846-8260
2-Hexanone	U	0.005	mg/L	SW846-8260
4-Methyl-2-pentanone	U	0.005	mg/L	SW846-8260
Acetone	U	0.005	mg/L	SW846-8260
Acrolein	U	0.001	mg/L	SW846-8260
Acrylonitrile	U	0.001	mg/L	SW846-8260
Benzene	U	0.00005	mg/L	SW846-8260
Bromochloromethane	U	0.00005	mg/L	SW846-8260
Bromodichloromethane	U	0.00005	mg/L	SW846-8260
Bromoform	U	0.00005	mg/L	SW846-8260
Bromomethane	U	0.00005	mg/L	SW846-8260
Carbon disulfide	U	0.001	mg/L	SW846-8260
Carbon tetrachloride	U	0.00005	mg/L	SW846-8260
Chlorobenzene	U	0.00005	mg/L	SW846-8260
Chloroethane	U	0.00005	mg/L	SW846-8260
Chloroform	B	7.4E-05	mg/L	SW846-8260
Chloromethane	B	5.7E-05	mg/L	SW846-8260
cis-1,2-Dichloroethene	U	0.00005	mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.00005	mg/L	SW846-8260
Dibromochloromethane	U	0.00005	mg/L	SW846-8260
Dibromomethane	U	0.00005	mg/L	SW846-8260
Dichlorodifluoromethane	U	0.00005	mg/L	SW846-8260
Ethanol	U	0.25	mg/L	SW846-8260
Ethyl methacrylate	U	0.001	mg/L	SW846-8260
Ethylbenzene	U	0.00005	mg/L	SW846-8260
Iodomethane	U	0.001	mg/L	SW846-8260
Methylene chloride	B	0.00005	mg/L	SW846-8260
Styrene	U	0.00005	mg/L	SW846-8260
Tetrachloroethene	U	0.00005	mg/L	SW846-8260
Tetrachloroethene	U	0.00005	mg/L	SW846-8260
Toluene	B	0.00016	mg/L	SW846-8260
Total Xylene	U	0.00005	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.00005	mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.00005	mg/L	SW846-8260
Trichloroethene		0.00018	mg/L	SW846-8260
Trichlorofluoromethane	U	0.00005	mg/L	SW846-8260
Vinyl acetate	U	0.001	mg/L	SW846-8260
Vinyl chloride	U	0.00005	mg/L	SW846-8260

**MW181**

**C746S-95**

**C-746S&T Landfill Monitoring C746S-95**

**7618-95**

Collected: 10/9/1995

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)		0.013	mg/L			SW846-9020
<b>Field P</b>						
pH		6.7	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		449	umho/cm			IN7125

**7619-95**

Collected: 10/9/1995

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)		1	mg/L			W-150
Total Organic Halides (TOX)		0.011	mg/L			SW846-9020
<b>Field P</b>						
pH		6.7	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		449	umho/cm			IN7125

**7620-95**

Collected: 10/9/1995

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)		0.011	mg/L			SW846-9020
<b>Field P</b>						
pH		6.7	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		449	umho/cm			IN7125

**MW220**

**C746S-95**

**C-746S&T Landfill Monitoring C746S-95**

**5278-95**

Collected: 1/11/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		31	mg/L			SW846-9251
Nitrate as Nitrogen		2.2	mg/L			SA-N-1
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)		0.006	mg/L			SW846-9020
<b>Field P</b>						
Depth to Water		57.55	ft			
Dissolved Oxygen		5.83	mg/L			
pH		6.2	Std Unit			
Temperature		59	deg F			
<b>METAL</b>						
Aluminum		3.6	mg/L			SW846-6010
Antimony	U	0.006	mg/L			SW846-7041
Barium		0.233	mg/L			SW846-6010
Beryllium	U	0.002	mg/L			SW846-6010
Boron	U	0.03	mg/L			SW846-6010
Cadmium		0.0009	mg/L			SW846-7131
Calcium		24.1	mg/L			SW846-6010
Cerium	U	0.08	mg/L			SW846-6010
Chromium	U	0.03	mg/L			SW846-6010
Cobalt	U	0.01	mg/L			SW846-6010
Copper	U	0.03	mg/L			SW846-6010
Gallium	U	0.09	mg/L			SW846-6010
Iron		7.8	mg/L			SW846-6010
Lead	U	0.005	mg/L			SW846-7421
Lithium	U	0.08	mg/L			SW846-6010
Magnesium		9.5	mg/L			SW846-6010
Manganese		0.107	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Molybdenum	U	0.03	mg/L			SW846-6010
Nickel		0.11	mg/L			SW846-6010
Potassium		3	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	U	0.03	mg/L			SW846-6010
Sodium		35.6	mg/L			SW846-6010
Strontium		0.147	mg/L			SW846-6010
Thallium	U	0.002	mg/L			SW846-7841
Thorium	U	0.05	mg/L			SW846-6010
Titanium	U	0.06	mg/L			SW846-6010
Uranium	U	0.001	mg/L			SA-U-8
Vanadium	U	0.02	mg/L			SW846-6010
Zinc	U	0.05	mg/L			SW846-6010
Zirconium	U	0.02	mg/L			SW846-6010
<b>METAL-D</b>						
Aluminum	U	0.2	mg/L			SW846-6010
Antimony		0.006	mg/L			SW846-7041
Barium		0.211	mg/L			SW846-6010
Beryllium	U	0.002	mg/L			SW846-6010
Boron	U	0.03	mg/L			SW846-6010
Cadmium	U	0.0005	mg/L			SW846-7131

**MW220**

**C746S-95**

**C-746S&T Landfill Monitoring C746S-95**

Calcium		23.6	mg/L		SW846-6010
Cerium	U	0.08	mg/L		SW846-6010
Chromium	U	0.03	mg/L		SW846-6010
Cobalt	U	0.01	mg/L		SW846-6010
Copper	U	0.03	mg/L		SW846-6010
Gallium	U	0.09	mg/L		SW846-6010
Iron	U	0.3	mg/L		SW846-6010
Lead	U	0.005	mg/L		SW846-7421
Lithium	U	0.08	mg/L		SW846-6010
Magnesium		9.1	mg/L		SW846-6010
Manganese		0.049	mg/L		SW846-6010
Mercury	U	0.0002	mg/L		SW846-7470
Molybdenum	U	0.03	mg/L		SW846-6010
Nickel		0.09	mg/L		SW846-6010
Potassium	U	3	mg/L		SW846-6010
Selenium	U	0.005	mg/L		SW846-7740
Silver	U	0.03	mg/L		SW846-6010
Sodium		35.2	mg/L		SW846-6010
Strontium		0.138	mg/L		SW846-6010
Thallium	U	0.002	mg/L		SW846-7841
Thorium	U	0.05	mg/L		SW846-6010
Titanium	U	0.06	mg/L		SW846-6010
Vanadium	U	0.02	mg/L		SW846-6010
Zinc	U	0.05	mg/L		SW846-6010
Zirconium	U	0.02	mg/L		SW846-6010

**PHYSC**

Chemical Oxygen Demand (COD)		6	mg/L		W-40
Dissolved Solids		195	mg/L		W-140
Specific Conductivity (PIP)		365	umho/cm		SA-COND-1
Turbidity		100	NTU		W-170

**RADS**

Alpha activity	U	1000	pCi/L		R
Alpha activity		1.5	pCi/L	1	R-4
Beta activity	U	1000	pCi/L		R
Beta activity		13	pCi/L	5	R-4
Technetium-99		3	pCi/L	19	R-46

**SVOA**

1,2-Dichlorobenzene	U	0.005	mg/L		SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		SW846-8260

**VOA**

1,1,1,2-Tetrachloroethane	U	0.005	mg/L		SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		SW846-8260
1,1,2-Trichloro-1,2,2-trifluoroethane	U	0.005	mg/L		SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		SW846-8260
2-Butanone	JB	0.01	mg/L		SW846-8260
2-Chloroethyl vinyl ether	U	0.005	mg/L		SW846-8260
2-Hexanone	U	0.005	mg/L		SW846-8260
4-Methyl-2-pentanone	U	0.005	mg/L		SW846-8260

**MW220**

**C746S-95**

**C-746S&T Landfill Monitoring C746S-95**

Acetone	J	0.003	mg/L	SW846-8260
Acrolein	U	0.005	mg/L	SW846-8260
Acrylonitrile	U	0.005	mg/L	SW846-8260
Benzene	U	0.005	mg/L	SW846-8260
Bromochloromethane	U	0.005	mg/L	SW846-8260
Bromodichloromethane	U	0.005	mg/L	SW846-8260
Bromoform	U	0.005	mg/L	SW846-8260
Bromomethane	U	0.005	mg/L	SW846-8260
Carbon disulfide	U	0.005	mg/L	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	SW846-8260
Chlorobenzene	U	0.005	mg/L	SW846-8260
Chloroethane	U	0.005	mg/L	SW846-8260
Chloromethane	U	0.005	mg/L	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Dibromochloromethane	U	0.005	mg/L	SW846-8260
Dibromomethane	U	0.005	mg/L	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	SW846-8260
Ethanol	U	0.2	mg/L	SW846-8260
Ethyl methacrylate	U	0.005	mg/L	SW846-8260
Ethylbenzene	U	0.005	mg/L	SW846-8260
Iodomethane	U	0.005	mg/L	SW846-8260
Methylene chloride	U	0.005	mg/L	SW846-8260
Styrene	U	0.005	mg/L	SW846-8260
Tetrachloroethene	U	0.005	mg/L	SW846-8260
Toluene	U	0.005	mg/L	SW846-8260
Total Xylene	U	0.005	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L	SW846-8260
Trichloroethene	U	0.001	mg/L	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L	SW846-8260
Vinyl acetate	U	0.005	mg/L	SW846-8260
Vinyl chloride	U	0.002	mg/L	SW846-8260

**5279-95**

Collected: 1/11/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)		0.008	mg/L			SW846-9020
<b>Field P</b>						
pH		6.2	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		362	umho/cm			SA-COND-1

**MW220**

**C746S-95**

**C-746S&T Landfill Monitoring C746S-95**

**5280-95**

Collected: 1/11/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)		0.008	mg/L			SW846-9020
<b>Field P</b>						
pH		6.2	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		364	umho/cm			SA-COND-1

**5281-95**

Collected: 1/11/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)	U	0.005	mg/L			SW846-9020
<b>Field P</b>						
pH		6.2	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		361	umho/cm			SA-COND-1

**MW220**

**C746S-95**

**C-746S&T Landfill Monitoring C746S-95**

**5971-95**

Collected: 4/3/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		29	mg/L			SW846-9251
Nitrate as Nitrogen		1.7	mg/L			SA-N-1
Sulfate		42	mg/L			SW846-9038
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)	U	0.005	mg/L			SW846-9020
<b>Field P</b>						
Depth to Water		55.26	ft			
Dissolved Oxygen		5.73	mg/L			
pH		6	Std Unit			
Temperature		60	deg F			
<b>METAL</b>						
Aluminum		2.6	mg/L			SW846-6010
Antimony	U	0.006	mg/L			SW846-7041
Barium		0.23	mg/L			SW846-6010
Beryllium		0.002	mg/L			SW846-6010
Boron		0.03	mg/L			SW846-6010
Cadmium	U	0.0005	mg/L			SW846-7131
Calcium		24.1	mg/L			SW846-6010
Cerium		0.08	mg/L			SW846-6010
Chromium		0.03	mg/L			SW846-6010
Cobalt		0.01	mg/L			SW846-6010
Copper		0.03	mg/L			SW846-6010
Gallium		0.09	mg/L			SW846-6010
Iron		6	mg/L			SW846-6010
Lead	U	0.005	mg/L			SW846-7421
Lithium		0.08	mg/L			SW846-6010
Magnesium		9.5	mg/L			SW846-6010
Manganese		0.095	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Molybdenum		0.03	mg/L			SW846-6010
Nickel		0.09	mg/L			SW846-6010
Potassium		3	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver		0.03	mg/L			SW846-6010
Sodium		37.5	mg/L			SW846-6010
Strontium		0.146	mg/L			SW846-6010
Thallium	U	0.002	mg/L			SW846-7841
Thorium		0.05	mg/L			SW846-6010
Titanium		0.06	mg/L			SW846-6010
Uranium	U	0.001	mg/L			SA-U-8
Vanadium		0.02	mg/L			SW846-6010
Zinc		0.05	mg/L			SW846-6010
Zirconium		0.02	mg/L			SW846-6010
<b>METAL-D</b>						
Aluminum		0.2	mg/L			SW846-6010
Antimony	U	0.006	mg/L			SW846-7041
Barium		0.21	mg/L			SW846-6010
Beryllium		0.002	mg/L			SW846-6010
Boron		0.03	mg/L			SW846-6010



**MW220****C746S-95****C-746S&T Landfill Monitoring C746S-95**

Cadmium	U	0.0005	mg/L		SW846-7131
Calcium		23.3	mg/L		SW846-6010
Cerium		0.08	mg/L		SW846-6010
Chromium		0.03	mg/L		SW846-6010
Cobalt		0.01	mg/L		SW846-6010
Copper		0.03	mg/L		SW846-6010
Gallium		0.09	mg/L		SW846-6010
Iron		0.3	mg/L		SW846-6010
Lead	U	0.005	mg/L		SW846-7421
Lithium		0.08	mg/L		SW846-6010
Magnesium		9	mg/L		SW846-6010
Manganese		0.052	mg/L		SW846-6010
Mercury	U	0.0002	mg/L		SW846-7470
Molybdenum		0.03	mg/L		SW846-6010
Nickel		0.08	mg/L		SW846-6010
Potassium		3	mg/L		SW846-6010
Selenium	U	0.005	mg/L		SW846-7740
Silver		0.03	mg/L		SW846-6010
Sodium		36.3	mg/L		SW846-6010
Strontium		0.139	mg/L		SW846-6010
Thallium	U	0.002	mg/L		SW846-7841
Thorium		0.05	mg/L		SW846-6010
Titanium		0.06	mg/L		SW846-6010
Vanadium		0.02	mg/L		SW846-6010
Zinc		0.05	mg/L		SW846-6010
Zirconium		0.02	mg/L		SW846-6010
<b>PHYSC</b>					
Chemical Oxygen Demand (COD)	<	5	mg/L		W-40
Dissolved Solids		188	mg/L		W-140
Specific Conductivity (PIP)		357	umho/cm		SA-COND-1
Turbidity		54	NTU		W-170
<b>RADS</b>					
Alpha activity	U	1000	pCi/L		R
Alpha activity		4	pCi/L	1.8	R-4
Beta activity		10	pCi/L	2	R-4
Beta activity	U	1000	pCi/L		R
Technetium-99		4	pCi/L	4	R-46
<b>SVOA</b>					
1,2-Dichlorobenzene	U	0.005	mg/L		SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		SW846-8260
<b>VOA</b>					
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		SW846-8260
1,1,2-Trichloro-1,2,2-trifluoroethane	U	0.005	mg/L		SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		SW846-8260
2-Butanone	BJ	0.006	mg/L		SW846-8260
2-Chloroethyl vinyl ether	U	0.005	mg/L		SW846-8260
2-Hexanone	U	0.005	mg/L		SW846-8260

**MW220**

**C746S-95**

**C-746S&T Landfill Monitoring C746S-95**

4-Methyl-2-pentanone	U	0.005	mg/L	SW846-8260
Acetone	BJ	0.006	mg/L	SW846-8260
Acrolein	U	0.005	mg/L	SW846-8260
Acrylonitrile	U	0.005	mg/L	SW846-8260
Benzene	U	0.005	mg/L	SW846-8260
Bromochloromethane	U	0.005	mg/L	SW846-8260
Bromodichloromethane	U	0.005	mg/L	SW846-8260
Bromoform	U	0.005	mg/L	SW846-8260
Bromomethane	U	0.005	mg/L	SW846-8260
Carbon disulfide	U	0.005	mg/L	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	SW846-8260
Chlorobenzene	U	0.005	mg/L	SW846-8260
Chloroethane	U	0.005	mg/L	SW846-8260
Chloromethane	U	0.005	mg/L	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Dibromochloromethane	U	0.005	mg/L	SW846-8260
Dibromomethane	U	0.005	mg/L	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	SW846-8260
Ethanol	U	0.2	mg/L	SW846-8260
Ethyl methacrylate	U	0.005	mg/L	SW846-8260
Ethylbenzene	U	0.005	mg/L	SW846-8260
Iodomethane	U	0.005	mg/L	SW846-8260
Methylene chloride	U	0.005	mg/L	SW846-8260
Styrene	U	0.005	mg/L	SW846-8260
Tetrachloroethene	U	0.005	mg/L	SW846-8260
Toluene	J	0.002	mg/L	SW846-8260
Total Xylene	U	0.005	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L	SW846-8260
Trichloroethene	U	0.001	mg/L	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L	SW846-8260
Vinyl acetate	U	0.005	mg/L	SW846-8260
Vinyl chloride	U	0.002	mg/L	SW846-8260

**5972-95**

Collected: 4/3/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)	U	0.005	mg/L			SW846-9020
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		355	umho/cm			SA-COND-1

**MW220**

**C746S-95**

**C-746S&T Landfill Monitoring C746S-95**

**5973-95**

Collected: 4/3/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)	U	0.005	mg/L			SW846-9020
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		356	umho/cm			SA-COND-1

**5974-95**

Collected: 4/3/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)	U	0.005	mg/L			SW846-9020
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		355	umho/cm			SA-COND-1

**MW220**

**C746S-95**

**C-746S&T Landfill Monitoring C746S-95**

**6741-95**

Collected: 7/10/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		34	mg/L			SW846-9251
Nitrate as Nitrogen		2	mg/L			SA-N-1
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)		0.006	mg/L			SW846-9020
<b>Field P</b>						
Depth to Water		51.4	ft			
Dissolved Oxygen		4.64	mg/L			
pH		6.2	Std Unit			
Temperature		62	deg F			
<b>METAL</b>						
Aluminum		0.3	mg/L			SW846-6010
Antimony	U	0.006	mg/L			SW846-7041
Barium		0.219	mg/L			SW846-6010
Beryllium		0.002	mg/L			SW846-6010
Boron		0.03	mg/L			SW846-6010
Cadmium	BNU	0.005	mg/L			SW846-7131
Calcium		23.9	mg/L			SW846-6010
Cerium		0.08	mg/L			SW846-6010
Chromium	U	0.025	mg/L			SW846-6010
Cobalt		0.01	mg/L			SW846-6010
Copper	U	0.025	mg/L			SW846-6010
Gallium		0.09	mg/L			SW846-6010
Iron		0.9	mg/L			SW846-6010
Lead	U	0.005	mg/L			SW846-7421
Lithium		0.08	mg/L			SW846-6010
Magnesium		9.3	mg/L			SW846-6010
Manganese		0.074	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Molybdenum		0.03	mg/L			SW846-6010
Nickel		0.13	mg/L			SW846-6010
Potassium		3	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	U	0.025	mg/L			SW846-6010
Sodium	N	35.9	mg/L			SW846-6010
Strontium		0.142	mg/L			SW846-6010
Thallium	U	0.002	mg/L			SW846-7841
Thorium		0.05	mg/L			SW846-6010
Titanium		0.06	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Vanadium		0.02	mg/L			SW846-6010
Zinc		0.05	mg/L			SW846-6010
Zirconium		0.02	mg/L			SW846-6010
<b>PHYSC</b>						
Chemical Oxygen Demand (COD)	<	5	mg/L			W-40
Dissolved Solids		222	mg/L			IN7475
Specific Conductivity (PIP)		369	umho/cm			EPA-120.1
Turbidity		8.6	NTU			IN7490
<b>RADS</b>						
Alpha activity	U	1000	pCi/L			R-56

## MW220

## C746S-95

Alpha activity		-0.8	pCi/L	-0.5	R-4
Beta activity	U	1000	pCi/L		R-56
Beta activity		10	pCi/L	1	R-4
Technetium-99		10	pCi/L	11	R-46

## SVOA

1,2-Dichlorobenzene	U	0.005	mg/L		SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		SW846-8260

## VOA

1,1,1,2-Tetrachloroethane	U	0.005	mg/L		SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		SW846-8260
1,1,2-Trichloro-1,2,2-trifluoroethane	U	0.005	mg/L		SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		SW846-8260
2-Butanone	U	0.005	mg/L		SW846-8260
2-Chloroethyl vinyl ether	U	0.005	mg/L		SW846-8260
2-Hexanone	U	0.005	mg/L		SW846-8260
4-Methyl-2-pentanone	U	0.005	mg/L		SW846-8260
Acetone	U	0.005	mg/L		SW846-8260
Acrolein	U	0.005	mg/L		SW846-8260
Acrylonitrile	U	0.005	mg/L		SW846-8260
Benzene	U	0.005	mg/L		SW846-8260
Bromochloromethane	U	0.005	mg/L		SW846-8260
Bromodichloromethane	U	0.005	mg/L		SW846-8260
Bromoform	U	0.005	mg/L		SW846-8260
Bromomethane	U	0.005	mg/L		SW846-8260
Carbon disulfide	U	0.005	mg/L		SW846-8260
Carbon tetrachloride	U	0.005	mg/L		SW846-8260
Chlorobenzene	U	0.005	mg/L		SW846-8260
Chloroethane	U	0.005	mg/L		SW846-8260
Chloromethane	U	0.005	mg/L		SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		SW846-8260
Dibromochloromethane	U	0.005	mg/L		SW846-8260
Dibromomethane	U	0.005	mg/L		SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		SW846-8260
Ethanol	U	0.2	mg/L		SW846-8260
Ethyl methacrylate	U	0.005	mg/L		SW846-8260
Ethylbenzene	U	0.005	mg/L		SW846-8260
Iodomethane	U	0.005	mg/L		SW846-8260
Methylene chloride	U	0.005	mg/L		SW846-8260
Styrene	U	0.005	mg/L		SW846-8260
Tetrachloroethene	U	0.005	mg/L		SW846-8260
Toluene	U	0.005	mg/L		SW846-8260
Total Xylene	U	0.005	mg/L		SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		SW846-8260
Trichloroethene	U	0.001	mg/L		SW846-8260
Trichlorofluoromethane	U	0.005	mg/L		SW846-8260

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**MW220**

**C746S-95**

**C-746S&T Landfill Monitoring C746S-95**

Vinyl acetate	U	0.005	mg/L	SW846-8260
Vinyl chloride	U	0.002	mg/L	SW846-8260

**6742-95**

Collected: 7/10/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)	U	0.005	mg/L			SW846-9020
<b>Field P</b>						
pH		6.2	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		369	umho/cm			EPA-120.1

**6743-95**

Collected: 7/10/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)	U	0.005	mg/L			SW846-9020
<b>Field P</b>						
pH		6.2	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		369	umho/cm			EPA-120.1

**6744-95**

Collected: 7/10/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)	U	0.005	mg/L			SW846-9020
<b>Field P</b>						
pH		6.2	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		370	umho/cm			EPA-120.1

MW220

C746S-95

C-746S&T Landfill Monitoring C746S-95

7577-95

Collected: 10/10/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		31.7	mg/L			IN7120
Nitrate as Nitrogen		1.7	mg/L			IN7120
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)		0.005	mg/L			SW846-9020
<b>Field P</b>						
Depth to Water		55.74	ft			
Dissolved Oxygen		4.69	mg/L			
pH		6.2	Std Unit			
Temperature		59	deg F			
<b>METAL</b>						
Antimony	U	0.003	mg/L			DNT
Barium		0.216	mg/L			SW846-6010
Beryllium	U	0.002	mg/L			DNT
Cadmium	U	0.01	mg/L			SW846-6010
Chromium	U	0.03	mg/L			SW846-6010
Cobalt	U	0.022	mg/L			SW846-6010
Copper	U	0.012	mg/L			SW846-6010
Iron		2.23	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Nickel		0.284	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	U	0.03	mg/L			SW846-6010
Sodium	N	34.4	mg/L			SW846-6010
Thallium	U	0.002	mg/L			DNT
Uranium	U	0.001	mg/L			IN7105
Vanadium		0.081	mg/L			SW846-6010
Zinc		0.02	mg/L			SW846-6010
<b>METAL-D</b>						
Barium		0.195	mg/L			SW846-6010
Iron	U	0.355	mg/L			SW846-6010
Nickel		0.204	mg/L			SW846-6010
Sodium	N	32.5	mg/L			SW846-6010
Vanadium		0.044	mg/L			SW846-6010
Zinc	U	0.03	mg/L			SW846-6010
<b>PHYSC</b>						
Chemical Oxygen Demand (COD)	<	5	mg/L			W-40
Dissolved Solids		210	mg/L			IN7475
Specific Conductivity (PIP)		364	umho/cm			IN7125
Turbidity		24	NTU			IN7490
<b>RADS</b>						
Alpha activity	U	400	pCi/L			R-56
Alpha activity		0.5	pCi/L	0.3		R-4
Beta activity		12	pCi/L	2		R-4
Beta activity	U	1000	pCi/L			R-56
Technetium-99		18	pCi/L	11		RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.00005	mg/L			SW846-8260
1,4-Dichlorobenzene	U	0.00005	mg/L			SW846-8260
<b>VOA</b>						

## MW220

## C746S-95

## C-746S&amp;T Landfill Monitoring C746S-95

1,1,1,2-Tetrachloroethane	U	0.00005	mg/L	SW846-8260
1,1,1-Trichloroethane	U	0.00005	mg/L	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.00005	mg/L	SW846-8260
1,1,2-Trichloroethane	U	0.00005	mg/L	SW846-8260
1,1-Dichloroethane	U	0.00005	mg/L	SW846-8260
1,1-Dichloroethene	U	0.00005	mg/L	SW846-8260
1,2,3-Trichloropropane	U	0.00005	mg/L	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.00005	mg/L	SW846-8260
1,2-Dibromoethane	U	0.00005	mg/L	SW846-8260
1,2-Dichloroethane	U	0.00005	mg/L	SW846-8260
1,2-Dichloropropane	U	0.00005	mg/L	SW846-8260
2-Butanone	U	0.005	mg/L	SW846-8260
2-Chloroethyl vinyl ether	U	0.001	mg/L	SW846-8260
2-Hexanone	U	0.005	mg/L	SW846-8260
4-Methyl-2-pentanone	U	0.005	mg/L	SW846-8260
Acetone	U	0.005	mg/L	SW846-8260
Acrolein	U	0.001	mg/L	SW846-8260
Acrylonitrile	U	0.001	mg/L	SW846-8260
Benzene	U	0.00005	mg/L	SW846-8260
Bromochloromethane	U	0.00005	mg/L	SW846-8260
Bromodichloromethane	U	0.00005	mg/L	SW846-8260
Bromoform	U	0.00005	mg/L	SW846-8260
Bromomethane	U	0.00005	mg/L	SW846-8260
Carbon disulfide	U	0.001	mg/L	SW846-8260
Carbon tetrachloride	U	0.00005	mg/L	SW846-8260
Chlorobenzene	U	0.00005	mg/L	SW846-8260
Chloroethane	U	0.00005	mg/L	SW846-8260
Chloroform	U	0.00005	mg/L	SW846-8260
Chloromethane	B	8.4E-05	mg/L	SW846-8260
cis-1,2-Dichloroethene		0.00013	mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.00005	mg/L	SW846-8260
Dibromochloromethane	U	0.00005	mg/L	SW846-8260
Dibromomethane	U	0.00005	mg/L	SW846-8260
Dichlorodifluoromethane	U	0.00005	mg/L	SW846-8260
Ethanol	U	0.25	mg/L	SW846-8260
Ethyl methacrylate	U	0.001	mg/L	SW846-8260
Ethylbenzene	U	0.00005	mg/L	SW846-8260
Iodomethane	U	0.001	mg/L	SW846-8260
m,p-Xylene	U	0.0001	mg/L	SW846-8260
Methylene chloride	U	0.00005	mg/L	SW846-8260
Styrene	U	0.00005	mg/L	SW846-8260
Tetrachloroethene	U	0.00005	mg/L	SW846-8260
Tetrachloroethene	U	0.00005	mg/L	SW846-8260
Toluene	JB	4.7E-05	mg/L	SW846-8260
Total Xylene	U	0.00005	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.00005	mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.00005	mg/L	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.001	mg/L	SW846-8260
Trichloroethene		6.9E-05	mg/L	SW846-8260
Trichlorofluoromethane	U	0.00005	mg/L	SW846-8260
Vinyl acetate	U	0.001	mg/L	SW846-8260
Vinyl chloride	U	0.00005	mg/L	SW846-8260



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**MW220**

**C746S-95**

**C-746S&T Landfill Monitoring C746S-95**

**7578-95**

Collected: 10/10/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)		0.008	mg/L			SW846-9020
<b>Field P</b>						
pH		6.2	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		367	umho/cm			IN7125

**7579-95**

Collected: 10/10/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)		0.006	mg/L			SW846-9020
<b>Field P</b>						
pH		6.2	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		365	umho/cm			IN7125

**7580-95**

Collected: 10/10/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)		0.006	mg/L			SW846-9020
<b>Field P</b>						
pH		6.2	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		367	umho/cm			IN7125

**MW220**

**C746S-95**

**C-746S&T Landfill Monitoring C746S-95**

**6781-95**

Collected: 7/10/1995

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		33	mg/L			SW846-9251
Nitrate as Nitrogen		2.7	mg/L			SA-N-1
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)		0.005	mg/L			SW846-9020
<b>Field P</b>						
Depth to Water		51.4	ft			
Dissolved Oxygen		4.64	mg/L			
pH		6.2	Std Unit			
Temperature		62	deg F			
<b>METAL</b>						
Aluminum		0.3	mg/L			SW846-6010
Antimony	U	0.006	mg/L			SW846-7041
Barium		0.219	mg/L			SW846-6010
Beryllium		0.002	mg/L			SW846-6010
Boron		0.03	mg/L			SW846-6010
Cadmium	BNU	0.005	mg/L			SW846-7131
Calcium		24.1	mg/L			SW846-6010
Cerium		0.08	mg/L			SW846-6010
Chromium	U	0.025	mg/L			SW846-6010
Cobalt		0.01	mg/L			SW846-6010
Copper	U	0.025	mg/L			SW846-6010
Gallium		0.09	mg/L			SW846-6010
Iron		0.6	mg/L			SW846-6010
Lead	U	0.005	mg/L			SW846-7421
Lithium		0.08	mg/L			SW846-6010
Magnesium		9.4	mg/L			SW846-6010
Manganese		0.071	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Molybdenum		0.03	mg/L			SW846-6010
Nickel	U	0.1	mg/L			SW846-6010
Potassium		3	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	U	0.025	mg/L			SW846-6010
Sodium	N	30.2	mg/L			SW846-6010
Strontium		0.142	mg/L			SW846-6010
Thallium	U	0.002	mg/L			SW846-7841
Thorium		0.05	mg/L			SW846-6010
Titanium		0.06	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Vanadium		0.02	mg/L			SW846-6010
Zinc		0.05	mg/L			SW846-6010
Zirconium		0.02	mg/L			SW846-6010
<b>PHYSC</b>						
Chemical Oxygen Demand (COD)	<	5	mg/L			W-40
Dissolved Solids		234	mg/L			IN7475
Specific Conductivity (PIP)		371	umho/cm			IN7125
Turbidity		9.7	NTU			IN7490
<b>RADS</b>						
Alpha activity		0.4	pCi/L	0.2		R-4



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**MW220**

**C746S-95**

**C-746S&T Landfill Monitoring C746S-95**

Vinyl acetate	U	0.005	mg/L	SW846-8260
Vinyl chloride	U	0.002	mg/L	SW846-8260

**6782-95**

Collected: 7/10/1995                      Media Type: WG                      Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)		1	mg/L			W-150
Total Organic Halides (TOX)		0.014	mg/L			SW846-9020
<b>Field P</b>						
pH		6.2	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		368	umho/cm			IN7125

**6783-95**

Collected: 7/10/1995                      Media Type: WG                      Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)		0.007	mg/L			SW846-9020
<b>Field P</b>						
pH		6.2	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		372	umho/cm			IN7125

**6784-95**

Collected: 7/10/1995                      Media Type: WG                      Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)		0.007	mg/L			SW846-9020
<b>Field P</b>						
pH		6.2	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		370	umho/cm			IN7125

## MW221

## C746S-95

## C-746S&amp;T Landfill Monitoring C746S-95

## 5282-95

Collected: 1/10/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		44	mg/L			SW846-9251
Nitrate as Nitrogen		2.3	mg/L			SA-N-1
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)		0.005	mg/L			SW846-9020
<b>Field P</b>						
Depth to Water		64.23	ft			
Dissolved Oxygen		6.16	mg/L			
pH		6.1	Std Unit			
Temperature		59	deg F			
<b>METAL</b>						
Aluminum	U	0.2	mg/L			SW846-6010
Antimony	U	0.006	mg/L			SW846-7041
Barium		0.245	mg/L			SW846-6010
Beryllium	U	0.002	mg/L			SW846-6010
Boron		0.04	mg/L			SW846-6010
Cadmium	U	0.0005	mg/L			SW846-7131
Calcium		24.1	mg/L			SW846-6010
Cerium	U	0.08	mg/L			SW846-6010
Chromium	U	0.03	mg/L			SW846-6010
Cobalt	U	0.01	mg/L			SW846-6010
Copper	U	0.03	mg/L			SW846-6010
Gallium	U	0.09	mg/L			SW846-6010
Iron	U	0.3	mg/L			SW846-6010
Lead	U	0.005	mg/L			SW846-7421
Lithium	U	0.08	mg/L			SW846-6010
Magnesium		10.7	mg/L			SW846-6010
Manganese	U	0.009	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Molybdenum	U	0.03	mg/L			SW846-6010
Nickel	U	0.04	mg/L			SW846-6010
Potassium	U	3	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	U	0.03	mg/L			SW846-6010
Sodium		43.2	mg/L			SW846-6010
Strontium		0.098	mg/L			SW846-6010
Thallium	U	0.002	mg/L			SW846-7841
Thorium	U	0.05	mg/L			SW846-6010
Titanium	U	0.06	mg/L			SW846-6010
Uranium	U	0.001	mg/L			SA-U-8
Vanadium	U	0.02	mg/L			SW846-6010
Zinc	U	0.05	mg/L			SW846-6010
Zirconium	U	0.02	mg/L			SW846-6010
<b>METAL-D</b>						
Aluminum	U	0.2	mg/L			SW846-6010
Antimony	U	0.006	mg/L			SW846-7041
Barium		0.241	mg/L			SW846-6010
Beryllium	U	0.002	mg/L			SW846-6010
Boron		0.04	mg/L			SW846-6010
Cadmium	U	0.0005	mg/L			SW846-7131

## MW221

## C746S-95

## C-746S&amp;T Landfill Monitoring C746S-95

Calcium		23.8	mg/L		SW846-6010
Cerium	U	0.08	mg/L		SW846-6010
Chromium	U	0.03	mg/L		SW846-6010
Cobalt	U	0.01	mg/L		SW846-6010
Copper	U	0.03	mg/L		SW846-6010
Gallium	U	0.09	mg/L		SW846-6010
Iron	U	0.3	mg/L		SW846-6010
Lead	U	0.005	mg/L		SW846-7421
Lithium	U	0.08	mg/L		SW846-6010
Magnesium		10.5	mg/L		SW846-6010
Manganese	U	0.009	mg/L		SW846-6010
Mercury	U	0.0002	mg/L		SW846-7470
Molybdenum	U	0.03	mg/L		SW846-6010
Nickel	U	0.04	mg/L		SW846-6010
Potassium	U	3	mg/L		SW846-6010
Selenium	U	0.005	mg/L		SW846-7740
Silver	U	0.03	mg/L		SW846-6010
Sodium		42.6	mg/L		SW846-6010
Strontium		0.097	mg/L		SW846-6010
Thallium	U	0.002	mg/L		SW846-7841
Thorium	U	0.05	mg/L		SW846-6010
Titanium	U	0.06	mg/L		SW846-6010
Vanadium	U	0.02	mg/L		SW846-6010
Zinc	U	0.05	mg/L		SW846-6010
Zirconium	U	0.02	mg/L		SW846-6010
<b>PHYSC</b>					
Chemical Oxygen Demand (COD)	<	5	mg/L		W-40
Dissolved Solids		217	mg/L		W-140
Specific Conductivity (PIP)		410	umho/cm		SA-COND-1
Turbidity		1.6	NTU		W-170
<b>RADS</b>					
Alpha activity		0.8	pCi/L	0.7	R-4
Alpha activity	U	1000	pCi/L		R
Beta activity	U	1000	pCi/L		R
Beta activity		4	pCi/L	1	R-4
Technetium-99		11	pCi/L	22	R-46
<b>SVOA</b>					
1,2-Dichlorobenzene	U	0.005	mg/L		SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		SW846-8260
<b>VOA</b>					
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		SW846-8260
1,1,2-Trichloro-1,2,2-trifluoroethane	U	0.005	mg/L		SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		SW846-8260
2-Butanone	U	0.005	mg/L		SW846-8260
2-Chloroethyl vinyl ether	U	0.005	mg/L		SW846-8260
2-Hexanone	U	0.005	mg/L		SW846-8260
4-Methyl-2-pentanone	U	0.005	mg/L		SW846-8260

**MW221**

**C746S-95**

**C-746S&T Landfill Monitoring C746S-95**

Acetone	JB	0.005	mg/L	SW846-8260
Acrolein	U	0.005	mg/L	SW846-8260
Acrylonitrile	U	0.005	mg/L	SW846-8260
Benzene	U	0.005	mg/L	SW846-8260
Bromochloromethane	U	0.005	mg/L	SW846-8260
Bromodichloromethane	U	0.005	mg/L	SW846-8260
Bromoform	U	0.005	mg/L	SW846-8260
Bromomethane	U	0.005	mg/L	SW846-8260
Carbon disulfide	U	0.005	mg/L	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	SW846-8260
Chlorobenzene	U	0.005	mg/L	SW846-8260
Chloroethane	U	0.005	mg/L	SW846-8260
Chloromethane	U	0.005	mg/L	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Dibromochloromethane	U	0.005	mg/L	SW846-8260
Dibromomethane	U	0.005	mg/L	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	SW846-8260
Ethanol	U	0.2	mg/L	SW846-8260
Ethyl methacrylate	U	0.005	mg/L	SW846-8260
Ethylbenzene	U	0.005	mg/L	SW846-8260
Iodomethane	U	0.005	mg/L	SW846-8260
Methylene chloride	U	0.005	mg/L	SW846-8260
Styrene	U	0.005	mg/L	SW846-8260
Tetrachloroethene	U	0.005	mg/L	SW846-8260
Toluene	U	0.005	mg/L	SW846-8260
Total Xylene	U	0.005	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L	SW846-8260
Trichloroethene		0.004	mg/L	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L	SW846-8260
Vinyl acetate	U	0.005	mg/L	SW846-8260
Vinyl chloride	U	0.002	mg/L	SW846-8260

**5283-95**

Collected: 1/10/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)		0.005	mg/L			SW846-9020
<b>Field P</b>						
pH		6.1	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		410	umho/cm			SA-COND-1

**MW221**

**C746S-95**

**C-746S&T Landfill Monitoring C746S-95**

**5284-95**

Collected: 1/10/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)		0.005	mg/L			SW846-9020
<b>Field P</b>						
pH		6.1	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		410	umho/cm			SA-COND-1

**5285-95**

Collected: 1/10/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)	U	0.005	mg/L			SW846-9020
<b>Field P</b>						
pH		6.1	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		410	umho/cm			SA-COND-1



MW221

C746S-95

C-746S&T Landfill Monitoring C746S-95

5975-95

Collected: 4/4/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		43	mg/L			SW846-9251
Nitrate as Nitrogen		2	mg/L			SA-N-1
Sulfate		12	mg/L			SW846-9038
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)	U	0.005	mg/L			SW846-9020
<b>Field P</b>						
Depth to Water		64	ft			
Dissolved Oxygen		6.53	mg/L			
pH		6.1	Std Unit			
Temperature		59	deg F			
<b>METAL</b>						
Aluminum		0.2	mg/L			SW846-6010
Antimony	U	0.006	mg/L			SW846-7041
Barium		0.256	mg/L			SW846-6010
Beryllium		0.002	mg/L			SW846-6010
Boron		0.06	mg/L			SW846-6010
Cadmium	U	0.0005	mg/L			SW846-7131
Calcium		25.2	mg/L			SW846-6010
Cerium		0.08	mg/L			SW846-6010
Chromium		0.03	mg/L			SW846-6010
Cobalt		0.01	mg/L			SW846-6010
Copper		0.03	mg/L			SW846-6010
Gallium		0.09	mg/L			SW846-6010
Iron		0.3	mg/L			SW846-6010
Lead	U	0.005	mg/L			SW846-7421
Lithium		0.08	mg/L			SW846-6010
Magnesium		11.2	mg/L			SW846-6010
Manganese		0.01	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Molybdenum		0.03	mg/L			SW846-6010
Nickel		0.05	mg/L			SW846-6010
Potassium		3	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver		0.03	mg/L			SW846-6010
Sodium		45.7	mg/L			SW846-6010
Strontium		0.104	mg/L			SW846-6010
Thallium	U	0.002	mg/L			SW846-7841
Thorium		0.05	mg/L			SW846-6010
Titanium		0.06	mg/L			SW846-6010
Uranium	U	0.001	mg/L			SA-U-8
Vanadium		0.02	mg/L			SW846-6010
Zinc		0.05	mg/L			SW846-6010
Zirconium		0.02	mg/L			SW846-6010
<b>METAL-D</b>						
Aluminum		0.2	mg/L			SW846-6010
Antimony		0.019	mg/L			SW846-7041
Barium		0.254	mg/L			SW846-6010
Beryllium		0.002	mg/L			SW846-6010
Boron		0.07	mg/L			SW846-6010

**MW221****C746S-95****C-746S&T Landfill Monitoring C746S-95**

Cadmium	U	0.0005	mg/L		SW846-7131
Calcium		24.9	mg/L		SW846-6010
Cerium		0.08	mg/L		SW846-6010
Chromium		0.03	mg/L		SW846-6010
Cobalt		0.01	mg/L		SW846-6010
Copper		0.03	mg/L		SW846-6010
Gallium		0.09	mg/L		SW846-6010
Iron		0.3	mg/L		SW846-6010
Lead	U	0.005	mg/L		SW846-7421
Lithium		0.08	mg/L		SW846-6010
Magnesium		11	mg/L		SW846-6010
Manganese		0.012	mg/L		SW846-6010
Mercury	U	0.0002	mg/L		SW846-7470
Molybdenum		0.03	mg/L		SW846-6010
Nickel		0.05	mg/L		SW846-6010
Potassium		3	mg/L		SW846-6010
Selenium	U	0.005	mg/L		SW846-7740
Silver		0.03	mg/L		SW846-6010
Sodium		44.7	mg/L		SW846-6010
Strontium		0.103	mg/L		SW846-6010
Thallium	U	0.002	mg/L		SW846-7841
Thorium		0.05	mg/L		SW846-6010
Titanium		0.06	mg/L		SW846-6010
Vanadium		0.02	mg/L		SW846-6010
Zinc		0.05	mg/L		SW846-6010
Zirconium		0.02	mg/L		SW846-6010
<b>PHYSC</b>					
Chemical Oxygen Demand (COD)	<	5	mg/L		W-40
Dissolved Solids		280	mg/L		W-140
Specific Conductivity (PIP)		416	umho/cm		SA-COND-1
Turbidity		4.5	NTU		W-170
<b>RADS</b>					
Alpha activity		1.7	pCi/L	1	R-4
Alpha activity	U	1000	pCi/L		R
Beta activity		5	pCi/L	1	R-4
Beta activity	U	1000	pCi/L		R
Technetium-99		6	pCi/L	62	R-46
<b>SVOA</b>					
1,2-Dichlorobenzene	U	0.005	mg/L		SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		SW846-8260
<b>VOA</b>					
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		SW846-8260
1,1,2-Trichloro-1,2,2-trifluoroethane	U	0.005	mg/L		SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		SW846-8260
2-Butanone	U	0.005	mg/L		SW846-8260
2-Chloroethyl vinyl ether	U	0.005	mg/L		SW846-8260
2-Hexanone	U	0.005	mg/L		SW846-8260

**MW221**

**C746S-95**

**C-746S&T Landfill Monitoring C746S-95**

4-Methyl-2-pentanone	U	0.005	mg/L	SW846-8260
Acetone	U	0.005	mg/L	SW846-8260
Acrolein	U	0.005	mg/L	SW846-8260
Acrylonitrile	U	0.005	mg/L	SW846-8260
Benzene	U	0.005	mg/L	SW846-8260
Bromochloromethane	U	0.005	mg/L	SW846-8260
Bromodichloromethane	U	0.005	mg/L	SW846-8260
Bromoform	U	0.005	mg/L	SW846-8260
Bromomethane	U	0.005	mg/L	SW846-8260
Carbon disulfide	U	0.005	mg/L	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	SW846-8260
Chlorobenzene	U	0.005	mg/L	SW846-8260
Chloroethane	U	0.005	mg/L	SW846-8260
Chloromethane	U	0.005	mg/L	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Dibromochloromethane	U	0.005	mg/L	SW846-8260
Dibromomethane	U	0.005	mg/L	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	SW846-8260
Ethanol	U	0.2	mg/L	SW846-8260
Ethyl methacrylate	U	0.005	mg/L	SW846-8260
Ethylbenzene	U	0.005	mg/L	SW846-8260
Iodomethane	U	0.005	mg/L	SW846-8260
Methylene chloride	U	0.005	mg/L	SW846-8260
Styrene	U	0.005	mg/L	SW846-8260
Tetrachloroethene	U	0.005	mg/L	SW846-8260
Toluene	U	0.005	mg/L	SW846-8260
Total Xylene	U	0.005	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L	SW846-8260
Trichloroethene		0.004	mg/L	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L	SW846-8260
Vinyl acetate	U	0.005	mg/L	SW846-8260
Vinyl chloride	U	0.002	mg/L	SW846-8260

**5976-95**

Collected: 4/4/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)		0.008	mg/L			SW846-9020
<b>Field P</b>						
pH		6.1	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		416	umho/cm			SA-COND-1

**MW221**

**C746S-95**

**C-746S&T Landfill Monitoring C746S-95**

**5977-95**

Collected: 4/4/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)		0.008	mg/L			SW846-9020
<b>Field P</b>						
pH		6.1	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		416	umho/cm			SA-COND-1

**5978-95**

Collected: 4/4/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)		0.008	mg/L			SW846-9020
<b>Field P</b>						
pH		6.1	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		416	umho/cm			SA-COND-1

**MW221**

**C746S-95**

**C-746S&T Landfill Monitoring C746S-95**

**6745-95**

Collected: 7/10/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		46	mg/L			SW846-9251
Nitrate as Nitrogen		2.8	mg/L			SA-N-1
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)	U	0.005	mg/L			SW846-9020
<b>Field P</b>						
Depth to Water		61.04	ft			
Dissolved Oxygen		6.14	mg/L			
pH		6	Std Unit			
Temperature		61	deg F			
<b>METAL</b>						
Aluminum		0.2	mg/L			SW846-6010
Antimony	U	0.006	mg/L			SW846-7041
Barium	U	0.07	mg/L			SW846-6010
Beryllium		0.002	mg/L			SW846-6010
Boron		0.03	mg/L			SW846-6010
Cadmium	BNU	0.005	mg/L			SW846-7131
Calcium		23.7	mg/L			SW846-6010
Cerium		0.08	mg/L			SW846-6010
Chromium	U	0.025	mg/L			SW846-6010
Cobalt		0.01	mg/L			SW846-6010
Copper	U	0.025	mg/L			SW846-6010
Gallium		0.09	mg/L			SW846-6010
Iron		0.3	mg/L			SW846-6010
Lead	U	0.005	mg/L			SW846-7421
Lithium		0.08	mg/L			SW846-6010
Magnesium		10.6	mg/L			SW846-6010
Manganese		0.012	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Molybdenum		0.03	mg/L			SW846-6010
Nickel		0.07	mg/L			SW846-6010
Potassium		3	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	U	0.025	mg/L			SW846-6010
Sodium	N	42.8	mg/L			SW846-6010
Strontium		0.099	mg/L			SW846-6010
Thallium	U	0.002	mg/L			SW846-7841
Thorium		0.05	mg/L			SW846-6010
Titanium		0.06	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Vanadium		0.02	mg/L			SW846-6010
Zinc		0.05	mg/L			SW846-6010
Zirconium		0.02	mg/L			SW846-6010
<b>PHYSC</b>						
Chemical Oxygen Demand (COD)	<	5	mg/L			W-40
Dissolved Solids		230	mg/L			IN7475
Specific Conductivity (PIP)		416	umho/cm			EPA-120.1
Turbidity		1.4	NTU			IN7490
<b>RADS</b>						
Alpha activity	U	1000	pCi/L			R-56

## MW221

## C746S-95

## C-746S&amp;T Landfill Monitoring C746S-95

Alpha activity		-0.4	pCi/L	-0.3	R-4
Beta activity	U	1000	pCi/L		R-56
Beta activity		6	pCi/L	1	R-4
Technetium-99		0	pCi/L	0	R-46
<b>SVOA</b>					
1,2-Dichlorobenzene	U	0.005	mg/L		SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		SW846-8260
<b>VOA</b>					
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		SW846-8260
1,1,2-Trichloro-1,2,2-trifluoroethane	U	0.005	mg/L		SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		SW846-8260
2-Butanone	U	0.005	mg/L		SW846-8260
2-Chloroethyl vinyl ether	U	0.005	mg/L		SW846-8260
2-Hexanone	U	0.005	mg/L		SW846-8260
4-Methyl-2-pentanone	U	0.005	mg/L		SW846-8260
Acetone	U	0.005	mg/L		SW846-8260
Acrolein	U	0.005	mg/L		SW846-8260
Acrylonitrile	U	0.005	mg/L		SW846-8260
Benzene	U	0.005	mg/L		SW846-8260
Bromochloromethane	U	0.005	mg/L		SW846-8260
Bromodichloromethane	U	0.005	mg/L		SW846-8260
Bromoform	U	0.005	mg/L		SW846-8260
Bromomethane	U	0.005	mg/L		SW846-8260
Carbon disulfide	U	0.005	mg/L		SW846-8260
Carbon tetrachloride	U	0.005	mg/L		SW846-8260
Chlorobenzene	U	0.005	mg/L		SW846-8260
Chloroethane	U	0.005	mg/L		SW846-8260
Chloromethane	U	0.005	mg/L		SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		SW846-8260
Dibromochloromethane	U	0.005	mg/L		SW846-8260
Dibromomethane	U	0.005	mg/L		SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		SW846-8260
Ethanol	U	0.2	mg/L		SW846-8260
Ethyl methacrylate	U	0.005	mg/L		SW846-8260
Ethylbenzene	U	0.005	mg/L		SW846-8260
Iodomethane	U	0.005	mg/L		SW846-8260
Methylene chloride	U	0.005	mg/L		SW846-8260
Styrene	U	0.005	mg/L		SW846-8260
Tetrachloroethene	U	0.005	mg/L		SW846-8260
Toluene	U	0.005	mg/L		SW846-8260
Total Xylene	U	0.005	mg/L		SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		SW846-8260
Trichloroethene		0.003	mg/L		SW846-8260
Trichlorofluoromethane	U	0.005	mg/L		SW846-8260

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**MW221**

**C746S-95**

**C-746S&T Landfill Monitoring C746S-95**

Vinyl acetate	U	0.005	mg/L	SW846-8260
Vinyl chloride	U	0.002	mg/L	SW846-8260

**6746-95**

Collected: 7/10/1995      Media Type: WG      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)		0.01	mg/L			SW846-9020
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		416	umho/cm			EPA-120.1

**6747-95**

Collected: 7/10/1995      Media Type: WG      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)		0.008	mg/L			SW846-9020
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		417	umho/cm			EPA-120.1

**6748-95**

Collected: 7/10/1995      Media Type: WG      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)	U	0.005	mg/L			SW846-9020
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		417	umho/cm			EPA-120.1

## MW221

## C746S-95

## C-746S&amp;T Landfill Monitoring C746S-95

## 7581-95

Collected: 10/9/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		43.2	mg/L			IN7120
Nitrate as Nitrogen		1.7	mg/L			IN7120
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)		0.006	mg/L			SW846-9020
<b>Field P</b>						
Depth to Water		64.71	ft			
Dissolved Oxygen		6.46	mg/L			
pH		6	Std Unit			
Temperature		60	deg F			
<b>METAL</b>						
Antimony	U	0.003	mg/L			DNT
Barium		0.242	mg/L			SW846-6010
Beryllium	U	0.002	mg/L			DNT
Cadmium	U	0.01	mg/L			SW846-6010
Chromium	U	0.03	mg/L			SW846-6010
Cobalt	U	0.022	mg/L			SW846-6010
Copper	U	0.012	mg/L			SW846-6010
Iron	U	0.178	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Nickel		0.104	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	JU	0.03	mg/L			SW846-6010
Sodium	N	41.2	mg/L			SW846-6010
Thallium	U	0.002	mg/L			DNT
Uranium	U	0.001	mg/L			IN7105
Vanadium		0.096	mg/L			SW846-6010
Zinc	U	0.015	mg/L			SW846-6010
<b>METAL-D</b>						
Barium		0.22	mg/L			SW846-6010
Nickel	U	0.1	mg/L			SW846-6010
Sodium	N	38.8	mg/L			SW846-6010
Vanadium		0.052	mg/L			SW846-6010
<b>PHYSC</b>						
Chemical Oxygen Demand (COD)	<	5	mg/L			W-40
Dissolved Solids		219	mg/L			IN7475
Specific Conductivity (PIP)		421	umho/cm			IN7125
Turbidity		1.3	NTU			IN7490
<b>RADS</b>						
Alpha activity	U	400	pCi/L			R-56
Alpha activity		0.3	pCi/L	0.2		R-4
Beta activity	U	1000	pCi/L			R-56
Beta activity		6	pCi/L	1		R-4
Technetium-99		7	pCi/L	10		RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.00005	mg/L			SW846-8260
1,4-Dichlorobenzene	U	0.00005	mg/L			SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.00005	mg/L			SW846-8260
1,1,1-Trichloroethane	U	0.00005	mg/L			SW846-8260



## MW221

## C746S-95

## C-746S&amp;T Landfill Monitoring C746S-95

1,1,2,2-Tetrachloroethane	U	0.00005	mg/L	SW846-8260
1,1,2-Trichloroethane	U	0.00005	mg/L	SW846-8260
1,1-Dichloroethane	U	0.00005	mg/L	SW846-8260
1,1-Dichloroethene	U	0.00005	mg/L	SW846-8260
1,2,3-Trichloropropane	U	0.00005	mg/L	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.00005	mg/L	SW846-8260
1,2-Dibromoethane	U	0.00005	mg/L	SW846-8260
1,2-Dichloroethane	U	0.00005	mg/L	SW846-8260
1,2-Dichloropropane	U	0.00005	mg/L	SW846-8260
2-Butanone	U	0.005	mg/L	SW846-8260
2-Chloroethyl vinyl ether	U	0.001	mg/L	SW846-8260
2-Hexanone	U	0.005	mg/L	SW846-8260
4-Methyl-2-pentanone	U	0.005	mg/L	SW846-8260
Acetone	U	0.005	mg/L	SW846-8260
Acrolein	U	0.001	mg/L	SW846-8260
Acrylonitrile	U	0.001	mg/L	SW846-8260
Benzene	U	0.00005	mg/L	SW846-8260
Bromochloromethane	U	0.00005	mg/L	SW846-8260
Bromodichloromethane	U	0.00005	mg/L	SW846-8260
Bromoform	U	0.00005	mg/L	SW846-8260
Bromomethane	U	0.00005	mg/L	SW846-8260
Carbon disulfide	U	0.001	mg/L	SW846-8260
Carbon tetrachloride	U	0.00005	mg/L	SW846-8260
Chlorobenzene	U	0.00005	mg/L	SW846-8260
Chloroethane	U	0.00005	mg/L	SW846-8260
Chloroform	B	7.3E-05	mg/L	SW846-8260
Chloromethane	U	0.00005	mg/L	SW846-8260
cis-1,2-Dichloroethene		0.00019	mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.00005	mg/L	SW846-8260
Dibromochloromethane	U	0.00005	mg/L	SW846-8260
Dibromomethane	U	0.00005	mg/L	SW846-8260
Dichlorodifluoromethane	U	0.00005	mg/L	SW846-8260
Ethanol	U	0.25	mg/L	SW846-8260
Ethyl methacrylate	U	0.001	mg/L	SW846-8260
Ethylbenzene	U	0.00005	mg/L	SW846-8260
Iodomethane	U	0.001	mg/L	SW846-8260
m,p-Xylene	U	0.0001	mg/L	SW846-8260
Methylene chloride	B	8.5E-05	mg/L	SW846-8260
Styrene	U	0.00005	mg/L	SW846-8260
Tetrachloroethene	U	0.00005	mg/L	SW846-8260
Tetrachloroethene	U	0.00005	mg/L	SW846-8260
Toluene	U	0.00005	mg/L	SW846-8260
Total Xylene	U	0.00005	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.00005	mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.00005	mg/L	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.001	mg/L	SW846-8260
Trichloroethene		0.004	mg/L	SW846-8260
Trichlorofluoromethane	U	0.00005	mg/L	SW846-8260
Vinyl acetate	U	0.001	mg/L	SW846-8260
Vinyl chloride	U	0.00005	mg/L	SW846-8260

**MW221**

**C746S-95**

**C-746S&T Landfill Monitoring C746S-95**

**7582-95**

Collected: 10/9/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)		0.007	mg/L			SW846-9020
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		422	umho/cm			IN7125

**7583-95**

Collected: 10/9/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)		0.006	mg/L			SW846-9020
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		422	umho/cm			IN7125

**7584-95**

Collected: 10/9/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)		0.007	mg/L			SW846-9020
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		421	umho/cm			IN7125

MW222

C746S-95

C-746S&T Landfill Monitoring C746S-95

5286-95

Collected: 1/9/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		27	mg/L			SW846-9251
Nitrate as Nitrogen		1.3	mg/L			SA-N-1
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)		0.006	mg/L			SW846-9020
<b>Field P</b>						
Depth to Water		71.31	ft			
Dissolved Oxygen		3.93	mg/L			
pH		6	Std Unit			
Temperature		59	deg F			
<b>METAL</b>						
Aluminum	U	0.2	mg/L			SW846-6010
Antimony	U	0.006	mg/L			SW846-7041
Barium		0.257	mg/L			SW846-6010
Beryllium	U	0.002	mg/L			SW846-6010
Boron	U	0.03	mg/L			SW846-6010
Cadmium	U	0.0005	mg/L			SW846-7131
Calcium		16.9	mg/L			SW846-6010
Cerium	U	0.08	mg/L			SW846-6010
Chromium	U	0.03	mg/L			SW846-6010
Cobalt	U	0.01	mg/L			SW846-6010
Copper	U	0.03	mg/L			SW846-6010
Gallium	U	0.09	mg/L			SW846-6010
Iron	U	0.3	mg/L			SW846-6010
Lead	U	0.005	mg/L			SW846-7421
Lithium	U	0.08	mg/L			SW846-6010
Magnesium		7.1	mg/L			SW846-6010
Manganese		0.044	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Molybdenum	U	0.03	mg/L			SW846-6010
Nickel	U	0.04	mg/L			SW846-6010
Potassium	U	3	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	U	0.03	mg/L			SW846-6010
Sodium		45.5	mg/L			SW846-6010
Strontium		0.065	mg/L			SW846-6010
Thallium	U	0.002	mg/L			SW846-7841
Thorium	U	0.05	mg/L			SW846-6010
Titanium	U	0.06	mg/L			SW846-6010
Uranium	U	0.001	mg/L			SA-U-8
Vanadium	U	0.02	mg/L			SW846-6010
Zinc	U	0.05	mg/L			SW846-6010
Zirconium	U	0.02	mg/L			SW846-6010
<b>METAL-D</b>						
Aluminum	U	0.2	mg/L			SW846-6010
Antimony	U	0.006	mg/L			SW846-7041
Barium		0.248	mg/L			SW846-6010
Beryllium	U	0.002	mg/L			SW846-6010
Boron	U	0.03	mg/L			SW846-6010
Cadmium	U	0.0005	mg/L			SW846-7131

## MW222

## C746S-95

## C-746S&amp;T Landfill Monitoring C746S-95

Calcium		16.5	mg/L	SW846-6010
Cerium	U	0.08	mg/L	SW846-6010
Chromium	U	0.03	mg/L	SW846-6010
Cobalt	U	0.01	mg/L	SW846-6010
Copper	U	0.03	mg/L	SW846-6010
Gallium	U	0.09	mg/L	SW846-6010
Iron	U	0.3	mg/L	SW846-6010
Lead	U	0.005	mg/L	SW846-7421
Lithium	U	0.08	mg/L	SW846-6010
Magnesium		6.9	mg/L	SW846-6010
Manganese		0.049	mg/L	SW846-6010
Mercury	U	0.0002	mg/L	SW846-7470
Molybdenum	U	0.03	mg/L	SW846-6010
Nickel	U	0.04	mg/L	SW846-6010
Potassium	U	3	mg/L	SW846-6010
Selenium	U	0.005	mg/L	SW846-7740
Silver	U	0.03	mg/L	SW846-6010
Sodium		44.9	mg/L	SW846-6010
Strontium		0.062	mg/L	SW846-6010
Thallium	U	0.002	mg/L	SW846-7841
Thorium	U	0.05	mg/L	SW846-6010
Titanium	U	0.06	mg/L	SW846-6010
Vanadium	U	0.02	mg/L	SW846-6010
Zinc	U	0.05	mg/L	SW846-6010
Zirconium	U	0.02	mg/L	SW846-6010

**PHYSC**

Chemical Oxygen Demand (COD)	<	5	mg/L	W-40
Dissolved Solids		237	mg/L	W-140
Specific Conductivity (PIP)		344	umho/cm	SA-COND-1
Turbidity		6.2	NTU	W-170

**RADS**

Alpha activity		2.2	pCi/L	1	R-4
Alpha activity	U	1000	pCi/L		R
Beta activity		5	pCi/L	1	R-4
Beta activity	U	1000	pCi/L		R
Technetium-99		12	pCi/L	20	R-46

**SVOA**

1,2-Dichlorobenzene	U	0.005	mg/L	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L	SW846-8260

**VOA**

1,1,1,2-Tetrachloroethane	U	0.005	mg/L	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	SW846-8260
1,1,2-Trichloro-1,2,2-trifluoroethane	U	0.005	mg/L	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	SW846-8260
2-Butanone	JB	0.003	mg/L	SW846-8260
2-Chloroethyl vinyl ether	U	0.005	mg/L	SW846-8260
2-Hexanone	U	0.005	mg/L	SW846-8260
4-Methyl-2-pentanone	U	0.005	mg/L	SW846-8260

**MW222**

**C746S-95**

**C-746S&T Landfill Monitoring C746S-95**

Acetone	J	0.002	mg/L	SW846-8260
Acrolein	U	0.005	mg/L	SW846-8260
Acrylonitrile	U	0.005	mg/L	SW846-8260
Benzene	U	0.005	mg/L	SW846-8260
Bromochloromethane	U	0.005	mg/L	SW846-8260
Bromodichloromethane	U	0.005	mg/L	SW846-8260
Bromoform	U	0.005	mg/L	SW846-8260
Bromomethane	U	0.005	mg/L	SW846-8260
Carbon disulfide	U	0.005	mg/L	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	SW846-8260
Chlorobenzene	U	0.005	mg/L	SW846-8260
Chloroethane	U	0.005	mg/L	SW846-8260
Chloromethane	U	0.005	mg/L	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Dibromochloromethane	U	0.005	mg/L	SW846-8260
Dibromomethane	U	0.005	mg/L	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	SW846-8260
Ethanol	U	0.2	mg/L	SW846-8260
Ethyl methacrylate	U	0.005	mg/L	SW846-8260
Ethylbenzene	U	0.005	mg/L	SW846-8260
Iodomethane	U	0.005	mg/L	SW846-8260
Methylene chloride	U	0.005	mg/L	SW846-8260
Styrene	U	0.005	mg/L	SW846-8260
Tetrachloroethene	U	0.005	mg/L	SW846-8260
Toluene	U	0.005	mg/L	SW846-8260
Total Xylene	U	0.005	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L	SW846-8260
Trichloroethene	U	0.001	mg/L	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L	SW846-8260
Vinyl acetate	U	0.005	mg/L	SW846-8260
Vinyl chloride	U	0.002	mg/L	SW846-8260

**5287-95**

Collected: 1/9/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)		0.008	mg/L			SW846-9020
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		342	umho/cm			SA-COND-1

**MW222**

**C746S-95**

**C-746S&T Landfill Monitoring C746S-95**

**5288-95**

Collected: 1/9/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)		0.006	mg/L			SW846-9020
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		342	umho/cm			SA-COND-1

**5289-95**

Collected: 1/9/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)	U	0.005	mg/L			SW846-9020
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		346	umho/cm			SA-COND-1

MW222

C746S-95

C-746S&T Landfill Monitoring C746S-95

5979-95

Collected: 4/4/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		36	mg/L			SW846-9251
Nitrate as Nitrogen		1.6	mg/L			SA-N-1
Sulfate	U	10	mg/L			SW846-9038
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)		0.008	mg/L			SW846-9020
<b>Field P</b>						
Depth to Water		68.36	ft			
Dissolved Oxygen		6.5	mg/L			
pH		6.3	Std Unit			
Temperature		60	deg F			
<b>METAL</b>						
Aluminum		0.3	mg/L			SW846-6010
Antimony	U	0.006	mg/L			SW846-7041
Barium		0.313	mg/L			SW846-6010
Beryllium		0.002	mg/L			SW846-6010
Boron		0.15	mg/L			SW846-6010
Cadmium	U	0.0005	mg/L			SW846-7131
Calcium		21.9	mg/L			SW846-6010
Cerium		0.08	mg/L			SW846-6010
Chromium		0.03	mg/L			SW846-6010
Cobalt		0.01	mg/L			SW846-6010
Copper		0.03	mg/L			SW846-6010
Gallium		0.09	mg/L			SW846-6010
Iron		0.6	mg/L			SW846-6010
Lead	U	0.005	mg/L			SW846-7421
Lithium		0.08	mg/L			SW846-6010
Magnesium		9.3	mg/L			SW846-6010
Manganese		0.012	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Molybdenum		0.03	mg/L			SW846-6010
Nickel		0.04	mg/L			SW846-6010
Potassium		3	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver		0.03	mg/L			SW846-6010
Sodium		54.3	mg/L			SW846-6010
Strontium		0.087	mg/L			SW846-6010
Thallium	U	0.002	mg/L			SW846-7841
Thorium		0.05	mg/L			SW846-6010
Titanium		0.06	mg/L			SW846-6010
Uranium	U	0.001	mg/L			SA-U-8
Vanadium		0.02	mg/L			SW846-6010
Zinc		0.05	mg/L			SW846-6010
Zirconium		0.02	mg/L			SW846-6010
<b>METAL-D</b>						
Aluminum		0.2	mg/L			SW846-6010
Antimony	U	0.006	mg/L			SW846-7041
Barium		0.31	mg/L			SW846-6010
Beryllium		0.002	mg/L			SW846-6010
Boron		0.03	mg/L			SW846-6010

**MW222****C746S-95****C-746S&T Landfill Monitoring C746S-95**

Cadmium	U	0.0005	mg/L	SW846-7131
Calcium		21.9	mg/L	SW846-6010
Cerium		0.08	mg/L	SW846-6010
Chromium		0.03	mg/L	SW846-6010
Cobalt		0.01	mg/L	SW846-6010
Copper		0.03	mg/L	SW846-6010
Gallium		0.09	mg/L	SW846-6010
Iron		0.3	mg/L	SW846-6010
Lead	U	0.005	mg/L	SW846-7421
Lithium		0.08	mg/L	SW846-6010
Magnesium		9.3	mg/L	SW846-6010
Manganese		0.009	mg/L	SW846-6010
Mercury	U	0.0002	mg/L	SW846-7470
Molybdenum		0.03	mg/L	SW846-6010
Nickel		0.04	mg/L	SW846-6010
Potassium		3	mg/L	SW846-6010
Selenium	U	0.005	mg/L	SW846-7740
Silver		0.03	mg/L	SW846-6010
Sodium		54.3	mg/L	SW846-6010
Strontium		0.087	mg/L	SW846-6010
Thallium	U	0.002	mg/L	SW846-7841
Thorium		0.05	mg/L	SW846-6010
Titanium		0.06	mg/L	SW846-6010
Vanadium		0.02	mg/L	SW846-6010
Zinc		0.05	mg/L	SW846-6010
Zirconium		0.02	mg/L	SW846-6010

**PHYSC**

Chemical Oxygen Demand (COD)	<	5	mg/L	W-40
Dissolved Solids		287	mg/L	W-140
Specific Conductivity (PIP)		415	umho/cm	SA-COND-1
Turbidity		14	NTU	W-170

**RADS**

Alpha activity		4	pCi/L	2	R-4
Alpha activity	U	1000	pCi/L		R
Beta activity		4	pCi/L	1	R-4
Beta activity	U	1000	pCi/L		R
Technetium-99		13	pCi/L	19	R-46

**SVOA**

1,2-Dichlorobenzene	U	0.005	mg/L	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L	SW846-8260

**VOA**

1,1,1,2-Tetrachloroethane	U	0.005	mg/L	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	SW846-8260
1,1,2-Trichloro-1,2,2-trifluoroethane	U	0.005	mg/L	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	SW846-8260
2-Butanone	BJ	0.006	mg/L	SW846-8260
2-Chloroethyl vinyl ether	U	0.005	mg/L	SW846-8260
2-Hexanone	U	0.005	mg/L	SW846-8260



**MW222**

**C746S-95**

**C-746S&T Landfill Monitoring C746S-95**

4-Methyl-2-pentanone	U	0.005	mg/L	SW846-8260
Acetone	BJ	0.005	mg/L	SW846-8260
Acrolein	U	0.005	mg/L	SW846-8260
Acrylonitrile	U	0.005	mg/L	SW846-8260
Benzene	U	0.005	mg/L	SW846-8260
Bromochloromethane	U	0.005	mg/L	SW846-8260
Bromodichloromethane	U	0.005	mg/L	SW846-8260
Bromoform	U	0.005	mg/L	SW846-8260
Bromomethane	U	0.005	mg/L	SW846-8260
Carbon disulfide	U	0.005	mg/L	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	SW846-8260
Chlorobenzene	U	0.005	mg/L	SW846-8260
Chloroethane	U	0.005	mg/L	SW846-8260
Chloromethane	U	0.005	mg/L	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Dibromochloromethane	U	0.005	mg/L	SW846-8260
Dibromomethane	U	0.005	mg/L	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	SW846-8260
Ethanol	U	0.2	mg/L	SW846-8260
Ethyl methacrylate	U	0.005	mg/L	SW846-8260
Ethylbenzene	U	0.005	mg/L	SW846-8260
Iodomethane	U	0.005	mg/L	SW846-8260
Methylene chloride	U	0.005	mg/L	SW846-8260
Styrene	U	0.005	mg/L	SW846-8260
Tetrachloroethene	J	0.001	mg/L	SW846-8260
Toluene	U	0.005	mg/L	SW846-8260
Total Xylene	J	0.001	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L	SW846-8260
Trichloroethene	U	0.001	mg/L	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L	SW846-8260
Vinyl acetate	U	0.005	mg/L	SW846-8260
Vinyl chloride	U	0.002	mg/L	SW846-8260

**5980-95**

Collected: 4/4/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)	U	0.005	mg/L			SW846-9020
<b>Field P</b>						
pH		6.3	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		415	umho/cm			SA-COND-1

**MW222**

**C746S-95**

**C-746S&T Landfill Monitoring C746S-95**

**5981-95**

Collected: 4/4/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)	U	0.005	mg/L			SW846-9020
<b>Field P</b>						
pH		6.3	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		415	umho/cm			SA-COND-1

**5982-95**

Collected: 4/4/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)		0.006	mg/L			SW846-9020
<b>Field P</b>						
pH		6.3	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		414	umho/cm			SA-COND-1

**MW222**

**C746S-95**

**C-746S&T Landfill Monitoring C746S-95**

**6749-95**

Collected: 7/10/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		40	mg/L			SW846-9251
Nitrate as Nitrogen		2.5	mg/L			SA-N-1
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)		0.009	mg/L			SW846-9020
<b>Field P</b>						
Depth to Water		65.05	ft			
Dissolved Oxygen		6.03	mg/L			
pH		6.1	Std Unit			
Temperature		61	deg F			
<b>METAL</b>						
Aluminum		0.7	mg/L			SW846-6010
Antimony	U	0.006	mg/L			SW846-7041
Barium		0.297	mg/L			SW846-6010
Beryllium		0.002	mg/L			SW846-6010
Boron		0.03	mg/L			SW846-6010
Cadmium	BNU	0.005	mg/L			SW846-7131
Calcium		22.2	mg/L			SW846-6010
Cerium		0.08	mg/L			SW846-6010
Chromium	U	0.025	mg/L			SW846-6010
Cobalt		0.01	mg/L			SW846-6010
Copper	U	0.025	mg/L			SW846-6010
Gallium		0.09	mg/L			SW846-6010
Iron		1.6	mg/L			SW846-6010
Lead	U	0.005	mg/L			SW846-7421
Lithium		0.08	mg/L			SW846-6010
Magnesium		9.6	mg/L			SW846-6010
Manganese		0.03	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Molybdenum		0.03	mg/L			SW846-6010
Nickel		0.04	mg/L			SW846-6010
Potassium		3	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	U	0.025	mg/L			SW846-6010
Sodium	N	54.7	mg/L			SW846-6010
Strontium		0.09	mg/L			SW846-6010
Thallium	U	0.002	mg/L			SW846-7841
Thorium		0.05	mg/L			SW846-6010
Titanium		0.06	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Vanadium		0.02	mg/L			SW846-6010
Zinc		0.05	mg/L			SW846-6010
Zirconium		0.02	mg/L			SW846-6010
<b>PHYSC</b>						
Chemical Oxygen Demand (COD)		7	mg/L			W-40
Dissolved Solids		272	mg/L			IN7475
Specific Conductivity (PIP)		437	umho/cm			EPA-120.1
Turbidity		19	NTU			IN7490
<b>RADS</b>						
Alpha activity		2.3	pCi/L	1		R-4



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**MW222**

**C746S-95**

**C-746S&T Landfill Monitoring C746S-95**

Vinyl acetate	U	0.005	mg/L	SW846-8260
Vinyl chloride	U	0.002	mg/L	SW846-8260

**6750-95**

Collected: 7/10/1995      Media Type: WG      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)		0.015	mg/L			SW846-9020
<b>Field P</b>						
pH		6.1	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		439	umho/cm			EPA-120.1

**6751-95**

Collected: 7/10/1995      Media Type: WG      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)		0.008	mg/L			SW846-9020
<b>Field P</b>						
pH		6.1	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		438	umho/cm			EPA-120.1

**6752-95**

Collected: 7/10/1995      Media Type: WG      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)		0.005	mg/L			SW846-9020
<b>Field P</b>						
pH		6.1	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		437	umho/cm			EPA-120.1

MW222

C746S-95

C-746S&T Landfill Monitoring C746S-95

7585-95

Collected: 10/9/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		37.3	mg/L			IN7120
Nitrate as Nitrogen		1.3	mg/L			IN7120
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)		0.006	mg/L			SW846-9020
<b>Field P</b>						
Depth to Water		68.52	ft			
Dissolved Oxygen		5.25	mg/L			
pH		6.1	Std Unit			
Temperature		61	deg F			
<b>METAL</b>						
Antimony	U	0.003	mg/L			DNT
Barium		0.291	mg/L			SW846-6010
Beryllium	U	0.002	mg/L			DNT
Cadmium	JU	0.01	mg/L			SW846-6010
Chromium	U	0.03	mg/L			SW846-6010
Cobalt	U	0.022	mg/L			SW846-6010
Copper	U	0.012	mg/L			SW846-6010
Iron		1.56	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Nickel		0.126	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	JU	0.03	mg/L			SW846-6010
Sodium	N	49.8	mg/L			SW846-6010
Thallium	U	0.002	mg/L			DNT
Uranium	U	0.001	mg/L			IN7105
Vanadium		0.082	mg/L			SW846-6010
Zinc	U	0.015	mg/L			SW846-6010
<b>METAL-D</b>						
Barium		0.272	mg/L			SW846-6010
Iron	U	0.355	mg/L			SW846-6010
Nickel	U	0.1	mg/L			SW846-6010
Sodium	N	46.6	mg/L			SW846-6010
Vanadium		0.042	mg/L			SW846-6010
<b>PHYSC</b>						
Chemical Oxygen Demand (COD)	<	5	mg/L			W-40
Dissolved Solids		244	mg/L			IN7475
Specific Conductivity (PIP)		413	umho/cm			IN7125
Turbidity		15	NTU			IN7490
<b>RADS</b>						
Alpha activity	U	400	pCi/L			R-56
Alpha activity		-1.1	pCi/L	-1		R-4
Beta activity		3	pCi/L	1		R-4
Beta activity	U	1000	pCi/L			R-56
Technetium-99		11	pCi/L	10		RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.00005	mg/L			SW846-8260
1,4-Dichlorobenzene	U	0.00005	mg/L			SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.00005	mg/L			SW846-8260

## MW222

## C746S-95

## C-746S&amp;T Landfill Monitoring C746S-95

1,1,1-Trichloroethane	U	0.00005	mg/L	SW846-8260
1,1,1,2,2-Tetrachloroethane	U	0.00005	mg/L	SW846-8260
1,1,2-Trichloroethane	U	0.00005	mg/L	SW846-8260
1,1-Dichloroethane	U	0.00005	mg/L	SW846-8260
1,1-Dichloroethene	U	0.00005	mg/L	SW846-8260
1,2,3-Trichloropropane	U	0.00005	mg/L	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.00005	mg/L	SW846-8260
1,2-Dibromoethane	U	0.00005	mg/L	SW846-8260
1,2-Dichloroethane	U	0.00005	mg/L	SW846-8260
1,2-Dichloropropane	U	0.00005	mg/L	SW846-8260
1,3,5-Trimethylbenzene	J	0.0002	mg/L	SW846-8260
2-Butanone	U	0.005	mg/L	SW846-8260
2-Chloroethyl vinyl ether	U	0.001	mg/L	SW846-8260
2-Hexanone	U	0.005	mg/L	SW846-8260
4-Methyl-2-pentanone	U	0.005	mg/L	SW846-8260
Acetone	B	0.0063	mg/L	SW846-8260
Acrolein	U	0.001	mg/L	SW846-8260
Acrylonitrile	U	0.001	mg/L	SW846-8260
Benzene		0.00014	mg/L	SW846-8260
Bromochloromethane	U	0.00005	mg/L	SW846-8260
Bromodichloromethane	U	0.00005	mg/L	SW846-8260
Bromoform	U	0.00005	mg/L	SW846-8260
Bromomethane	U	0.00005	mg/L	SW846-8260
Carbon disulfide	U	0.001	mg/L	SW846-8260
Carbon tetrachloride	U	0.00005	mg/L	SW846-8260
Chlorobenzene	U	0.00005	mg/L	SW846-8260
Chloroethane	U	0.00005	mg/L	SW846-8260
Chloroform	B	7.3E-05	mg/L	SW846-8260
Chloromethane	B	7.4E-05	mg/L	SW846-8260
cis-1,2-Dichloroethene		5.1E-05	mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.00005	mg/L	SW846-8260
Dibromochloromethane	U	0.00005	mg/L	SW846-8260
Dibromomethane	U	0.00005	mg/L	SW846-8260
Dichlorodifluoromethane	U	0.00005	mg/L	SW846-8260
Ethanol	U	0.25	mg/L	SW846-8260
Ethyl methacrylate	U	0.001	mg/L	SW846-8260
Ethylbenzene	U	0.00005	mg/L	SW846-8260
Iodomethane	U	0.001	mg/L	SW846-8260
m,p-Xylene		0.00015	mg/L	SW846-8260
Methylene chloride	JB	4.6E-05	mg/L	SW846-8260
Styrene	U	0.00005	mg/L	SW846-8260
Tetrachloroethene	U	0.00005	mg/L	SW846-8260
Tetrachloroethene	U	0.00005	mg/L	SW846-8260
Toluene	B	0.00025	mg/L	SW846-8260
Total Xylene	U	0.00005	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.00005	mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.00005	mg/L	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.001	mg/L	SW846-8260
Trichloroethene		0.00039	mg/L	SW846-8260
Trichlorofluoromethane		5.5E-05	mg/L	SW846-8260
Vinyl acetate	U	0.001	mg/L	SW846-8260
Vinyl chloride	U	0.00005	mg/L	SW846-8260

**MW222**

**C746S-95**

**C-746S&T Landfill Monitoring C746S-95**

**7586-95**

Collected: 10/9/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)		0.006	mg/L			SW846-9020
<b>Field P</b>						
pH		6.1	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		414	umho/cm			IN7125

**7587-95**

Collected: 10/9/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)		0.006	mg/L			SW846-9020
<b>Field P</b>						
pH		6.1	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		412	umho/cm			IN7125

**7588-95**

Collected: 10/9/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)		0.01	mg/L			SW846-9020
<b>Field P</b>						
pH		6.1	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		410	umho/cm			IN7125



## MW223

## C746S-95

## C-746S&amp;T Landfill Monitoring C746S-95

## 5318-95

Collected: 1/10/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		46	mg/L			SW846-9251
Nitrate as Nitrogen		3.1	mg/L			SA-N-1
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)		0.005	mg/L			SW846-9020
<b>Field P</b>						
Depth to Water		70.21	ft			
Dissolved Oxygen		6.4	mg/L			
pH		6.4	Std Unit			
Temperature		59	deg F			
<b>METAL</b>						
Aluminum	U	0.2	mg/L			SW846-6010
Antimony		0.008	mg/L			SW846-7041
Barium		0.202	mg/L			SW846-6010
Beryllium	U	0.002	mg/L			SW846-6010
Boron	U	0.03	mg/L			SW846-6010
Cadmium	U	0.0005	mg/L			SW846-7131
Calcium		22.6	mg/L			SW846-6010
Cerium	U	0.08	mg/L			SW846-6010
Chromium	U	0.03	mg/L			SW846-6010
Cobalt	U	0.01	mg/L			SW846-6010
Copper	U	0.03	mg/L			SW846-6010
Gallium	U	0.09	mg/L			SW846-6010
Iron	U	0.3	mg/L			SW846-6010
Lead	U	0.005	mg/L			SW846-7421
Lithium	U	0.08	mg/L			SW846-6010
Magnesium		9.2	mg/L			SW846-6010
Manganese		0.049	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Molybdenum	U	0.03	mg/L			SW846-6010
Nickel		0.09	mg/L			SW846-6010
Potassium		8	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	U	0.03	mg/L			SW846-6010
Sodium		44.6	mg/L			SW846-6010
Strontium		0.111	mg/L			SW846-6010
Thallium	U	0.002	mg/L			SW846-7841
Thorium	U	0.05	mg/L			SW846-6010
Titanium	U	0.06	mg/L			SW846-6010
Uranium	U	0.001	mg/L			SA-U-8
Vanadium	U	0.02	mg/L			SW846-6010
Zinc	U	0.05	mg/L			SW846-6010
Zirconium	U	0.02	mg/L			SW846-6010
<b>METAL-D</b>						
Aluminum	U	0.2	mg/L			SW846-6010
Antimony	U	0.006	mg/L			SW846-7041
Barium		0.2	mg/L			SW846-6010
Beryllium	U	0.002	mg/L			SW846-6010
Boron	U	0.03	mg/L			SW846-6010
Cadmium	U	0.0005	mg/L			SW846-7131

**MW223****C746S-95****C-746S&T Landfill Monitoring C746S-95**

Calcium		22.6	mg/L		SW846-6010
Cerium	U	0.08	mg/L		SW846-6010
Chromium	U	0.03	mg/L		SW846-6010
Cobalt	U	0.01	mg/L		SW846-6010
Copper	U	0.03	mg/L		SW846-6010
Gallium	U	0.09	mg/L		SW846-6010
Iron	U	0.3	mg/L		SW846-6010
Lead	U	0.005	mg/L		SW846-7421
Lithium	U	0.08	mg/L		SW846-6010
Magnesium		9.2	mg/L		SW846-6010
Manganese		0.039	mg/L		SW846-6010
Mercury	U	0.0002	mg/L		SW846-7470
Molybdenum	U	0.03	mg/L		SW846-6010
Nickel		0.09	mg/L		SW846-6010
Potassium		7	mg/L		SW846-6010
Selenium	U	0.005	mg/L		SW846-7740
Silver	U	0.03	mg/L		SW846-6010
Sodium		44.9	mg/L		SW846-6010
Strontium		0.111	mg/L		SW846-6010
Thallium	U	0.002	mg/L		SW846-7841
Thorium	U	0.05	mg/L		SW846-6010
Titanium	U	0.06	mg/L		SW846-6010
Vanadium	U	0.02	mg/L		SW846-6010
Zinc	U	0.05	mg/L		SW846-6010
Zirconium	U	0.02	mg/L		SW846-6010
<b>PHYSC</b>					
Chemical Oxygen Demand (COD)	<	5	mg/L		W-40
Dissolved Solids		227	mg/L		W-140
Specific Conductivity (PIP)		426	umho/cm		SA-COND-1
Turbidity		2.7	NTU		W-170
<b>RADS</b>					
Alpha activity		2.1	pCi/L	1.1	R-4
Alpha activity	U	1000	pCi/L		R
Beta activity	U	1000	pCi/L		R
Beta activity		8	pCi/L	3	R-4
Technetium-99		13	pCi/L	19	R-46
<b>SVOA</b>					
1,2-Dichlorobenzene	U	0.005	mg/L		SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		SW846-8260
<b>VOA</b>					
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		SW846-8260
1,1,2-Trichloro-1,2,2-trifluoroethane	U	0.005	mg/L		SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		SW846-8260
2-Butanone	JB	0.004	mg/L		SW846-8260
2-Chloroethyl vinyl ether	U	0.005	mg/L		SW846-8260
2-Hexanone	U	0.005	mg/L		SW846-8260
4-Methyl-2-pentanone	U	0.005	mg/L		SW846-8260

**MW223**

**C746S-95**

**C-746S&T Landfill Monitoring C746S-95**

Acetone	JB	0.004	mg/L	SW846-8260
Acrolein	U	0.005	mg/L	SW846-8260
Acrylonitrile	U	0.005	mg/L	SW846-8260
Benzene	U	0.005	mg/L	SW846-8260
Bromochloromethane	U	0.005	mg/L	SW846-8260
Bromodichloromethane	U	0.005	mg/L	SW846-8260
Bromoform	U	0.005	mg/L	SW846-8260
Bromomethane	U	0.005	mg/L	SW846-8260
Carbon disulfide	U	0.005	mg/L	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	SW846-8260
Chlorobenzene	U	0.005	mg/L	SW846-8260
Chloroethane	U	0.005	mg/L	SW846-8260
Chloromethane	U	0.005	mg/L	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Dibromochloromethane	U	0.005	mg/L	SW846-8260
Dibromomethane	U	0.005	mg/L	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	SW846-8260
Ethanol	U	0.2	mg/L	SW846-8260
Ethyl methacrylate	U	0.005	mg/L	SW846-8260
Ethylbenzene	U	0.005	mg/L	SW846-8260
Iodomethane	U	0.005	mg/L	SW846-8260
Methylene chloride	U	0.005	mg/L	SW846-8260
Styrene	U	0.005	mg/L	SW846-8260
Tetrachloroethene	U	0.005	mg/L	SW846-8260
Toluene	U	0.005	mg/L	SW846-8260
Total Xylene	U	0.005	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L	SW846-8260
Trichloroethene	U	0.001	mg/L	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L	SW846-8260
Vinyl acetate	U	0.005	mg/L	SW846-8260
Vinyl chloride	U	0.002	mg/L	SW846-8260

**5319-95**

Collected: 1/10/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)	U	0.005	mg/L			SW846-9020
<b>Field P</b>						
pH		6.4	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		423	umho/cm			SA-COND-1

**MW223**

**C746S-95**

**C-746S&T Landfill Monitoring C746S-95**

**5320-95**

Collected: 1/10/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)	U	0.005	mg/L			SW846-9020
<b>Field P</b>						
pH		6.4	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		423	umho/cm			SA-COND-1

**5321-95**

Collected: 1/10/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)		1	mg/L			W-150
Total Organic Halides (TOX)	U	0.005	mg/L			SW846-9020
<b>Field P</b>						
pH		6.4	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		424	umho/cm			SA-COND-1

## MW223

## C746S-95

## C-746S&amp;T Landfill Monitoring C746S-95

## 5983-95

Collected: 4/4/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		46	mg/L			SW846-9251
Nitrate as Nitrogen		2.8	mg/L			SA-N-1
Sulfate	U	10	mg/L			SW846-9038
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)	U	0.005	mg/L			SW846-9020
<b>Field P</b>						
Depth to Water		67.95	ft			
Dissolved Oxygen		9	mg/L			
pH		6.1	Std Unit			
Temperature		59	deg F			
<b>METAL</b>						
Aluminum		0.8	mg/L			SW846-6010
Antimony	U	0.006	mg/L			SW846-7041
Barium		0.24	mg/L			SW846-6010
Beryllium		0.002	mg/L			SW846-6010
Boron		0.16	mg/L			SW846-6010
Cadmium	U	0.0005	mg/L			SW846-7131
Calcium		24.4	mg/L			SW846-6010
Cerium		0.08	mg/L			SW846-6010
Chromium		0.03	mg/L			SW846-6010
Cobalt		0.01	mg/L			SW846-6010
Copper		0.03	mg/L			SW846-6010
Gallium		0.09	mg/L			SW846-6010
Iron		1.6	mg/L			SW846-6010
Lead	U	0.005	mg/L			SW846-7421
Lithium		0.08	mg/L			SW846-6010
Magnesium		10	mg/L			SW846-6010
Manganese		0.082	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Molybdenum		0.03	mg/L			SW846-6010
Nickel		0.11	mg/L			SW846-6010
Potassium		10	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver		0.03	mg/L			SW846-6010
Sodium		49	mg/L			SW846-6010
Strontium		0.125	mg/L			SW846-6010
Thallium	U	0.002	mg/L			SW846-7841
Thorium		0.05	mg/L			SW846-6010
Titanium		0.06	mg/L			SW846-6010
Uranium	U	0.001	mg/L			SA-U-8
Vanadium		0.02	mg/L			SW846-6010
Zinc		0.05	mg/L			SW846-6010
Zirconium		0.02	mg/L			SW846-6010
<b>METAL-D</b>						
Aluminum		0.2	mg/L			SW846-6010
Antimony	U	0.006	mg/L			SW846-7041
Barium		0.228	mg/L			SW846-6010
Beryllium		0.002	mg/L			SW846-6010
Boron		0.16	mg/L			SW846-6010

**MW223**

**C746S-95**

**C-746S&T Landfill Monitoring C746S-95**

Cadmium	U	0.0005	mg/L		SW846-7131
Calcium		24.3	mg/L		SW846-6010
Cerium		0.08	mg/L		SW846-6010
Chromium		0.03	mg/L		SW846-6010
Cobalt		0.01	mg/L		SW846-6010
Copper		0.03	mg/L		SW846-6010
Gallium		0.09	mg/L		SW846-6010
Iron		0.3	mg/L		SW846-6010
Lead	U	0.005	mg/L		SW846-7421
Lithium		0.08	mg/L		SW846-6010
Magnesium		9.9	mg/L		SW846-6010
Manganese		0.021	mg/L		SW846-6010
Mercury	U	0.0002	mg/L		SW846-7470
Molybdenum		0.03	mg/L		SW846-6010
Nickel		0.1	mg/L		SW846-6010
Potassium		10	mg/L		SW846-6010
Selenium	U	0.005	mg/L		SW846-7740
Silver		0.03	mg/L		SW846-6010
Sodium		48.3	mg/L		SW846-6010
Strontium		0.123	mg/L		SW846-6010
Thallium	U	0.002	mg/L		SW846-7841
Thorium		0.05	mg/L		SW846-6010
Titanium		0.06	mg/L		SW846-6010
Vanadium		0.02	mg/L		SW846-6010
Zinc		0.05	mg/L		SW846-6010
Zirconium		0.02	mg/L		SW846-6010

**PHYSC**

Chemical Oxygen Demand (COD)	<	5	mg/L		W-40
Dissolved Solids		232	mg/L		W-140
Specific Conductivity (PIP)		445	umho/cm		SA-COND-1
Turbidity		19	NTU		W-170

**RADS**

Alpha activity	U	1000	pCi/L		R
Alpha activity		-1	pCi/L	-0.4	R-4
Beta activity		13	pCi/L	2	R-4
Beta activity	U	1000	pCi/L		R
Technetium-99		2	pCi/L	9	R-46

**SVOA**

1,2-Dichlorobenzene	U	0.005	mg/L		SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		SW846-8260

**VOA**

1,1,1,2-Tetrachloroethane	U	0.005	mg/L		SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		SW846-8260
1,1,2-Trichloro-1,2,2-trifluoroethane	U	0.005	mg/L		SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		SW846-8260
2-Butanone	U	0.005	mg/L		SW846-8260
2-Chloroethyl vinyl ether	U	0.005	mg/L		SW846-8260
2-Hexanone	U	0.005	mg/L		SW846-8260

**MW223**

**C746S-95**

**C-746S&T Landfill Monitoring C746S-95**

4-Methyl-2-pentanone	U	0.005	mg/L	SW846-8260
Acetone	BJ	0.006	mg/L	SW846-8260
Acrolein	U	0.005	mg/L	SW846-8260
Acrylonitrile	U	0.005	mg/L	SW846-8260
Benzene	U	0.005	mg/L	SW846-8260
Bromochloromethane	U	0.005	mg/L	SW846-8260
Bromodichloromethane	U	0.005	mg/L	SW846-8260
Bromoform	U	0.005	mg/L	SW846-8260
Bromomethane	U	0.005	mg/L	SW846-8260
Carbon disulfide	U	0.005	mg/L	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	SW846-8260
Chlorobenzene	U	0.005	mg/L	SW846-8260
Chloroethane	U	0.005	mg/L	SW846-8260
Chloromethane	U	0.005	mg/L	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Dibromochloromethane	U	0.005	mg/L	SW846-8260
Dibromomethane	U	0.005	mg/L	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	SW846-8260
Ethanol	U	0.2	mg/L	SW846-8260
Ethyl methacrylate	U	0.005	mg/L	SW846-8260
Ethylbenzene	U	0.005	mg/L	SW846-8260
Iodomethane	U	0.005	mg/L	SW846-8260
Methylene chloride	U	0.005	mg/L	SW846-8260
Styrene	U	0.005	mg/L	SW846-8260
Tetrachloroethene	U	0.005	mg/L	SW846-8260
Toluene	U	0.005	mg/L	SW846-8260
Total Xylene	U	0.005	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L	SW846-8260
Trichloroethene	U	0.001	mg/L	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L	SW846-8260
Vinyl acetate	U	0.005	mg/L	SW846-8260
Vinyl chloride	U	0.002	mg/L	SW846-8260

**5984-95**

Collected: 4/4/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)		0.01	mg/L			SW846-9020
<b>Field P</b>						
pH		6.1	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		445	umho/cm			SA-COND-1

**MW223**

**C746S-95**

**C-746S&T Landfill Monitoring C746S-95**

**5985-95**

Collected: 4/4/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)		0.01	mg/L			SW846-9020
<b>Field P</b>						
pH		6.1	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		441	umho/cm			SA-COND-1

**5986-95**

Collected: 4/4/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)	U	0.005	mg/L			SW846-9020
<b>Field P</b>						
pH		6.1	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		444	umho/cm			SA-COND-1



MW223

C746S-95

C-746S&amp;T Landfill Monitoring C746S-95

6753-95

Collected: 7/11/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		49	mg/L			SW846-9251
Nitrate as Nitrogen		2.8	mg/L			SA-N-1
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)	U	0.005	mg/L			SW846-9020
<b>Field P</b>						
Depth to Water		64.67	ft			
Dissolved Oxygen		5.52	mg/L			
pH		6.1	Std Unit			
Temperature		61	deg F			
<b>METAL</b>						
Aluminum		0.2	mg/L			SW846-6010
Antimony	U	0.006	mg/L			SW846-7041
Barium		0.21	mg/L			SW846-6010
Beryllium		0.002	mg/L			SW846-6010
Boron		0.03	mg/L			SW846-6010
Cadmium	BNU	0.005	mg/L			SW846-7131
Calcium		23.2	mg/L			SW846-6010
Cerium		0.08	mg/L			SW846-6010
Chromium	U	0.025	mg/L			SW846-6010
Cobalt		0.01	mg/L			SW846-6010
Copper	U	0.025	mg/L			SW846-6010
Gallium		0.09	mg/L			SW846-6010
Iron		0.5	mg/L			SW846-6010
Lead	U	0.005	mg/L			SW846-7421
Lithium		0.08	mg/L			SW846-6010
Magnesium		9.5	mg/L			SW846-6010
Manganese		0.036	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Molybdenum		0.03	mg/L			SW846-6010
Nickel		0.11	mg/L			SW846-6010
Potassium		7	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	U	0.025	mg/L			SW846-6010
Sodium	N	46.4	mg/L			SW846-6010
Strontium		0.114	mg/L			SW846-6010
Thallium	U	0.002	mg/L			SW846-7841
Thorium		0.05	mg/L			SW846-6010
Titanium		0.06	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Vanadium		0.02	mg/L			SW846-6010
Zinc		0.05	mg/L			SW846-6010
Zirconium		0.02	mg/L			SW846-6010
<b>PHYSC</b>						
Chemical Oxygen Demand (COD)		8	mg/L			W-40
Dissolved Solids		233	mg/L			IN7475
Specific Conductivity (PIP)		441	umho/cm			IN7125
Turbidity		5.8	NTU			IN7490
<b>RADS</b>						
Alpha activity		1.8	pCi/L	0.6		R-4



**MW223**

**C746S-95**

**C-746S&T Landfill Monitoring C746S-95**

Vinyl acetate	U	0.005	mg/L	SW846-8260
Vinyl chloride	U	0.002	mg/L	SW846-8260

**6754-95**

Collected: 7/11/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)		1	mg/L			W-150
Total Organic Halides (TOX)	U	0.005	mg/L			SW846-9020
<b>Field P</b>						
pH		6.1	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		441	umho/cm			IN7125

**6755-95**

Collected: 7/11/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)	U	0.005	mg/L			SW846-9020
<b>Field P</b>						
pH		6.1	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		440	umho/cm			IN7125

**6756-95**

Collected: 7/11/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)	U	0.005	mg/L			SW846-9020
<b>Field P</b>						
pH		6.1	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		439	umho/cm			IN7125

**MW223**

**C746S-95**

**C-746S&T Landfill Monitoring C746S-95**

**7589-95**

Collected: 10/10/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		43.6	mg/L			IN7120
Nitrate as Nitrogen		2.3	mg/L			IN7120
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)	U	0.005	mg/L			SW846-9020
<b>Field P</b>						
Depth to Water		68.36	ft			
Dissolved Oxygen		6.34	mg/L			
pH		6.1	Std Unit			
Temperature		60	deg F			
<b>METAL</b>						
Antimony	U	0.003	mg/L			DNT
Barium		0.191	mg/L			SW846-6010
Beryllium	U	0.002	mg/L			DNT
Cadmium	JU	0.01	mg/L			SW846-6010
Chromium	U	0.03	mg/L			SW846-6010
Cobalt	U	0.022	mg/L			SW846-6010
Copper	U	0.012	mg/L			SW846-6010
Iron		0.463	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Nickel		0.186	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	JU	0.03	mg/L			SW846-6010
Sodium	N	43.6	mg/L			SW846-6010
Thallium	U	0.002	mg/L			DNT
Uranium	U	0.001	mg/L			IN7105
Vanadium		0.082	mg/L			SW846-6010
Zinc	U	0.015	mg/L			SW846-6010
<b>METAL-D</b>						
Barium		0.195	mg/L			SW846-6010
Iron	U	0.355	mg/L			SW846-6010
Nickel	U	0.1	mg/L			SW846-6010
Sodium	N	40.6	mg/L			SW846-6010
Vanadium		0.045	mg/L			SW846-6010
<b>PHYSIC</b>						
Chemical Oxygen Demand (COD)	<	5	mg/L			W-40
Dissolved Solids		232	mg/L			IN7475
Specific Conductivity (PIP)		422	umho/cm			IN7125
Turbidity		4.1	NTU			IN7490
<b>RADS</b>						
Alpha activity	U	400	pCi/L			R-56
Alpha activity		-0.2	pCi/L	-0.2		R-4
Beta activity	U	1000	pCi/L			R-56
Beta activity		8	pCi/L	2		R-4
Technetium-99		2	pCi/L	10		RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.00005	mg/L			SW846-8260
1,4-Dichlorobenzene	U	0.00005	mg/L			SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.00005	mg/L			SW846-8260

## MW223

## C746S-95

## C-746S&amp;T Landfill Monitoring C746S-95

1,1,1-Trichloroethane	U	0.00005	mg/L	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.00005	mg/L	SW846-8260
1,1,2-Trichloroethane	U	0.00005	mg/L	SW846-8260
1,1-Dichloroethane	U	0.00005	mg/L	SW846-8260
1,1-Dichloroethene	U	0.00005	mg/L	SW846-8260
1,2,3-Trichloropropane	U	0.00005	mg/L	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.00005	mg/L	SW846-8260
1,2-Dibromoethane	U	0.00005	mg/L	SW846-8260
1,2-Dichloroethane	U	0.00005	mg/L	SW846-8260
1,2-Dichloropropane	U	0.00005	mg/L	SW846-8260
2-Butanone	U	0.005	mg/L	SW846-8260
2-Chloroethyl vinyl ether	U	0.001	mg/L	SW846-8260
2-Hexanone	U	0.005	mg/L	SW846-8260
4-Methyl-2-pentanone	U	0.005	mg/L	SW846-8260
Acetone	U	0.005	mg/L	SW846-8260
Acrolein	U	0.001	mg/L	SW846-8260
Acrylonitrile	U	0.001	mg/L	SW846-8260
Benzene	U	0.00005	mg/L	SW846-8260
Bromochloromethane	U	0.00005	mg/L	SW846-8260
Bromodichloromethane	U	0.00005	mg/L	SW846-8260
Bromoform	U	0.00005	mg/L	SW846-8260
Bromomethane	U	0.00005	mg/L	SW846-8260
Carbon disulfide	U	0.001	mg/L	SW846-8260
Carbon tetrachloride	U	0.00005	mg/L	SW846-8260
Chlorobenzene	U	0.00005	mg/L	SW846-8260
Chloroethane	U	0.00005	mg/L	SW846-8260
Chloroform	U	0.00005	mg/L	SW846-8260
Chloromethane	B	9.4E-05	mg/L	SW846-8260
cis-1,2-Dichloroethene	U	0.00005	mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.00005	mg/L	SW846-8260
Dibromochloromethane	U	0.00005	mg/L	SW846-8260
Dibromomethane	U	0.00005	mg/L	SW846-8260
Dichlorodifluoromethane	U	0.00005	mg/L	SW846-8260
Ethanol	U	0.25	mg/L	SW846-8260
Ethyl methacrylate	U	0.001	mg/L	SW846-8260
Ethylbenzene	U	0.00005	mg/L	SW846-8260
Iodomethane	U	0.001	mg/L	SW846-8260
m,p-Xylene	U	0.0001	mg/L	SW846-8260
Methylene chloride	U	0.00005	mg/L	SW846-8260
Styrene	U	0.00005	mg/L	SW846-8260
Tetrachloroethene	U	0.00005	mg/L	SW846-8260
Tetrachloroethene	U	0.00005	mg/L	SW846-8260
Toluene	U	0.00005	mg/L	SW846-8260
Total Xylene	U	0.00005	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.00005	mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.00005	mg/L	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.001	mg/L	SW846-8260
Trichloroethene		0.00046	mg/L	SW846-8260
Trichlorofluoromethane	U	0.00005	mg/L	SW846-8260
Vinyl acetate	U	0.001	mg/L	SW846-8260
Vinyl chloride	U	0.00005	mg/L	SW846-8260

**MW223**

**C746S-95**

**C-746S&T Landfill Monitoring C746S-95**

**7590-95**

Collected: 10/10/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)	U	0.005	mg/L			SW846-9020
<b>Field P</b>						
pH		6.1	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		423	umho/cm			IN7125

**7591-95**

Collected: 10/10/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)	U	0.005	mg/L			SW846-9020
<b>Field P</b>						
pH		6.1	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		424	umho/cm			IN7125

**7592-95**

Collected: 10/10/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)	U	0.005	mg/L			SW846-9020
<b>Field P</b>						
pH		6.1	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		423	umho/cm			IN7125

MW224

C746S-95

C-746S&T Landfill Monitoring C746S-95

5290-95

Collected: 1/10/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		28	mg/L			SW846-9251
Nitrate as Nitrogen		1.3	mg/L			SA-N-1
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)		0.013	mg/L			SW846-9020
<b>Field P</b>						
Depth to Water		71.43	ft			
Dissolved Oxygen		1.74	mg/L			
pH		6.4	Std Unit			
Temperature		59	deg F			
<b>METAL</b>						
Aluminum	U	0.2	mg/L			SW846-6010
Antimony	U	0.006	mg/L			SW846-7041
Barium		0.254	mg/L			SW846-6010
Beryllium	U	0.002	mg/L			SW846-6010
Boron	U	0.03	mg/L			SW846-6010
Cadmium	U	0.0005	mg/L			SW846-7131
Calcium		25.9	mg/L			SW846-6010
Cerium	U	0.08	mg/L			SW846-6010
Chromium	U	0.03	mg/L			SW846-6010
Cobalt	U	0.01	mg/L			SW846-6010
Copper	U	0.03	mg/L			SW846-6010
Gallium	U	0.09	mg/L			SW846-6010
Iron	U	0.3	mg/L			SW846-6010
Lead	U	0.005	mg/L			SW846-7421
Lithium	U	0.08	mg/L			SW846-6010
Magnesium		11.3	mg/L			SW846-6010
Manganese		0.035	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Molybdenum	U	0.03	mg/L			SW846-6010
Nickel	U	0.04	mg/L			SW846-6010
Potassium	U	3	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	U	0.03	mg/L			SW846-6010
Sodium		71	mg/L			SW846-6010
Strontium		0.109	mg/L			SW846-6010
Thallium	U	0.002	mg/L			SW846-7841
Thorium	U	0.05	mg/L			SW846-6010
Titanium	U	0.06	mg/L			SW846-6010
Uranium	U	0.001	mg/L			SA-U-8
Vanadium	U	0.02	mg/L			SW846-6010
Zinc	U	0.05	mg/L			SW846-6010
Zirconium	U	0.02	mg/L			SW846-6010
<b>METAL-D</b>						
Aluminum	U	0.2	mg/L			SW846-6010
Antimony	U	0.006	mg/L			SW846-7041
Barium		0.255	mg/L			SW846-6010
Beryllium	U	0.002	mg/L			SW846-6010
Boron	U	0.03	mg/L			SW846-6010
Cadmium	U	0.0005	mg/L			SW846-7131

## MW224

## C746S-95

## C-746S&amp;T Landfill Monitoring C746S-95

Calcium		25.6	mg/L	SW846-6010
Cerium	U	0.08	mg/L	SW846-6010
Chromium	U	0.03	mg/L	SW846-6010
Cobalt	U	0.01	mg/L	SW846-6010
Copper	U	0.03	mg/L	SW846-6010
Gallium	U	0.09	mg/L	SW846-6010
Iron	U	0.3	mg/L	SW846-6010
Lead	U	0.005	mg/L	SW846-7421
Lithium	U	0.08	mg/L	SW846-6010
Magnesium		11.1	mg/L	SW846-6010
Manganese		0.038	mg/L	SW846-6010
Mercury	U	0.0002	mg/L	SW846-7470
Molybdenum	U	0.03	mg/L	SW846-6010
Nickel	U	0.04	mg/L	SW846-6010
Potassium	U	3	mg/L	SW846-6010
Selenium	U	0.005	mg/L	SW846-7740
Silver	U	0.03	mg/L	SW846-6010
Sodium		71.8	mg/L	SW846-6010
Strontium		0.109	mg/L	SW846-6010
Thallium	U	0.002	mg/L	SW846-7841
Thorium	U	0.05	mg/L	SW846-6010
Titanium	U	0.06	mg/L	SW846-6010
Vanadium	U	0.02	mg/L	SW846-6010
Zinc	U	0.05	mg/L	SW846-6010
Zirconium	U	0.02	mg/L	SW846-6010

**PHYSC**

Chemical Oxygen Demand (COD)	<	5	mg/L	W-40
Dissolved Solids		291	mg/L	W-140
Specific Conductivity (PIP)		512	umho/cm	SA-COND-1
Turbidity		5	NTU	W-170

**RADS**

Alpha activity	U	1000	pCi/L	R	
Alpha activity		0.8	pCi/L	0.7	R-4
Beta activity	U	1000	pCi/L	R	
Beta activity		3	pCi/L	1	R-4
Technetium-99		4	pCi/L	44	R-46

**SVOA**

1,2-Dichlorobenzene	U	0.005	mg/L	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L	SW846-8260

**VOA**

1,1,1,2-Tetrachloroethane	U	0.005	mg/L	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	SW846-8260
1,1,2-Trichloro-1,2,2-trifluoroethane	U	0.005	mg/L	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	SW846-8260
2-Butanone	JB	0.004	mg/L	SW846-8260
2-Chloroethyl vinyl ether	U	0.005	mg/L	SW846-8260
2-Hexanone	U	0.005	mg/L	SW846-8260
4-Methyl-2-pentanone	U	0.005	mg/L	SW846-8260



**MW224**

**C746S-95**

**C-746S&T Landfill Monitoring C746S-95**

Acetone	JB	0.005	mg/L	SW846-8260
Acrolein	U	0.005	mg/L	SW846-8260
Acrylonitrile	U	0.005	mg/L	SW846-8260
Benzene	U	0.005	mg/L	SW846-8260
Bromochloromethane	U	0.005	mg/L	SW846-8260
Bromodichloromethane	U	0.005	mg/L	SW846-8260
Bromoform	U	0.005	mg/L	SW846-8260
Bromomethane	U	0.005	mg/L	SW846-8260
Carbon disulfide	U	0.005	mg/L	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	SW846-8260
Chlorobenzene	U	0.005	mg/L	SW846-8260
Chloroethane	U	0.005	mg/L	SW846-8260
Chloromethane	U	0.005	mg/L	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Dibromochloromethane	U	0.005	mg/L	SW846-8260
Dibromomethane	U	0.005	mg/L	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	SW846-8260
Ethanol	U	0.2	mg/L	SW846-8260
Ethyl methacrylate	U	0.005	mg/L	SW846-8260
Ethylbenzene	U	0.005	mg/L	SW846-8260
Iodomethane	U	0.005	mg/L	SW846-8260
Methylene chloride	U	0.005	mg/L	SW846-8260
Styrene	U	0.005	mg/L	SW846-8260
Tetrachloroethene	U	0.005	mg/L	SW846-8260
Toluene	U	0.005	mg/L	SW846-8260
Total Xylene	U	0.005	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L	SW846-8260
Trichloroethene		0.001	mg/L	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L	SW846-8260
Vinyl acetate	U	0.005	mg/L	SW846-8260
Vinyl chloride	U	0.002	mg/L	SW846-8260

**5291-95**

Collected: 1/10/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)		0.011	mg/L			SW846-9020
<b>Field P</b>						
pH		6.4	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		512	umho/cm			SA-COND-1

**MW224**

**C746S-95**

**C-746S&T Landfill Monitoring C746S-95**

**5292-95**

Collected: 1/10/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)		0.013	mg/L			SW846-9020
<b>Field P</b>						
pH		6.4	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		511	umho/cm			SA-COND-1

**5293-95**

Collected: 1/10/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)		0.013	mg/L			SW846-9020
<b>Field P</b>						
pH		6.4	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		511	umho/cm			SA-COND-1

**MW224**

**C746S-95**

**C-746S&T Landfill Monitoring C746S-95**

**5987-95**

Collected: 4/4/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		45	mg/L			SW846-9251
Nitrate as Nitrogen		2.4	mg/L			SA-N-1
Sulfate		10	mg/L			SW846-9038
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)	U	0.005	mg/L			SW846-9020
<b>Field P</b>						
Depth to Water		69.15	ft			
Dissolved Oxygen		8.54	mg/L			
pH		6	Std Unit			
Temperature		60	deg F			
<b>METAL</b>						
Aluminum		0.2	mg/L			SW846-6010
Antimony	U	0.006	mg/L			SW846-7041
Barium		0.246	mg/L			SW846-6010
Beryllium		0.002	mg/L			SW846-6010
Boron		0.12	mg/L			SW846-6010
Cadmium	U	0.0005	mg/L			SW846-7131
Calcium		27.4	mg/L			SW846-6010
Cerium		0.08	mg/L			SW846-6010
Chromium		0.03	mg/L			SW846-6010
Cobalt		0.01	mg/L			SW846-6010
Copper		0.03	mg/L			SW846-6010
Gallium		0.09	mg/L			SW846-6010
Iron		0.3	mg/L			SW846-6010
Lead	U	0.005	mg/L			SW846-7421
Lithium		0.08	mg/L			SW846-6010
Magnesium		11.7	mg/L			SW846-6010
Manganese		0.012	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Molybdenum		0.03	mg/L			SW846-6010
Nickel		0.04	mg/L			SW846-6010
Potassium		3	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver		0.03	mg/L			SW846-6010
Sodium		45.9	mg/L			SW846-6010
Strontium		0.11	mg/L			SW846-6010
Thallium	U	0.002	mg/L			SW846-7841
Thorium		0.05	mg/L			SW846-6010
Titanium		0.06	mg/L			SW846-6010
Uranium	U	0.001	mg/L			SA-U-8
Vanadium		0.02	mg/L			SW846-6010
Zinc		0.05	mg/L			SW846-6010
Zirconium		0.02	mg/L			SW846-6010
<b>METAL-D</b>						
Aluminum		0.2	mg/L			SW846-6010
Antimony		0.017	mg/L			SW846-7041
Barium		0.245	mg/L			SW846-6010
Beryllium		0.002	mg/L			SW846-6010
Boron		0.05	mg/L			SW846-6010

**MW224**

**C746S-95**

**C-746S&T Landfill Monitoring C746S-95**

Cadmium	U	0.0005	mg/L	SW846-7131
Calcium		27.4	mg/L	SW846-6010
Cerium		0.08	mg/L	SW846-6010
Chromium		0.03	mg/L	SW846-6010
Cobalt		0.01	mg/L	SW846-6010
Copper		0.03	mg/L	SW846-6010
Gallium		0.09	mg/L	SW846-6010
Iron		0.3	mg/L	SW846-6010
Lead	U	0.005	mg/L	SW846-7421
Lithium		0.08	mg/L	SW846-6010
Magnesium		11.6	mg/L	SW846-6010
Manganese		0.012	mg/L	SW846-6010
Mercury	U	0.0002	mg/L	SW846-7470
Molybdenum		0.03	mg/L	SW846-6010
Nickel		0.04	mg/L	SW846-6010
Potassium		3	mg/L	SW846-6010
Selenium	U	0.005	mg/L	SW846-7740
Silver		0.03	mg/L	SW846-6010
Sodium		45.8	mg/L	SW846-6010
Strontium		0.109	mg/L	SW846-6010
Thallium	U	0.002	mg/L	SW846-7841
Thorium		0.05	mg/L	SW846-6010
Titanium		0.06	mg/L	SW846-6010
Vanadium		0.02	mg/L	SW846-6010
Zinc		0.05	mg/L	SW846-6010
Zirconium		0.02	mg/L	SW846-6010

**PHYSC**

Chemical Oxygen Demand (COD)	<	5	mg/L	W-40
Dissolved Solids		249	mg/L	W-140
Specific Conductivity (PIP)		441	umho/cm	SA-COND-1
Turbidity		3.2	NTU	W-170

**RADS**

Alpha activity	U	1000	pCi/L		R
Alpha activity		0	pCi/L	0.2	R-4
Beta activity	U	1000	pCi/L		R
Beta activity		2	pCi/L	0	R-4
Technetium-99		9	pCi/L	32	R-46

**SVOA**

1,2-Dichlorobenzene	U	0.005	mg/L	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L	SW846-8260

**VOA**

1,1,1,2-Tetrachloroethane	U	0.005	mg/L	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	SW846-8260
1,1,2-Trichloro-1,2,2-trifluoroethane	U	0.005	mg/L	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	SW846-8260
2-Butanone	U	0.005	mg/L	SW846-8260
2-Chloroethyl vinyl ether	U	0.005	mg/L	SW846-8260
2-Hexanone	U	0.005	mg/L	SW846-8260

**MW224**

**C746S-95**

**C-746S&T Landfill Monitoring C746S-95**

4-Methyl-2-pentanone	U	0.005	mg/L	SW846-8260
Acetone	BJ	0.006	mg/L	SW846-8260
Acrolein	U	0.005	mg/L	SW846-8260
Acrylonitrile	U	0.005	mg/L	SW846-8260
Benzene	U	0.005	mg/L	SW846-8260
Bromochloromethane	U	0.005	mg/L	SW846-8260
Bromodichloromethane	U	0.005	mg/L	SW846-8260
Bromoform	U	0.005	mg/L	SW846-8260
Bromomethane	U	0.005	mg/L	SW846-8260
Carbon disulfide	U	0.005	mg/L	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	SW846-8260
Chlorobenzene	U	0.005	mg/L	SW846-8260
Chloroethane	U	0.005	mg/L	SW846-8260
Chloromethane	U	0.005	mg/L	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Dibromochloromethane	U	0.005	mg/L	SW846-8260
Dibromomethane	U	0.005	mg/L	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	SW846-8260
Ethanol	U	0.2	mg/L	SW846-8260
Ethyl methacrylate	U	0.005	mg/L	SW846-8260
Ethylbenzene	U	0.005	mg/L	SW846-8260
Iodomethane	U	0.005	mg/L	SW846-8260
Methylene chloride	U	0.005	mg/L	SW846-8260
Styrene	U	0.005	mg/L	SW846-8260
Tetrachloroethene	U	0.005	mg/L	SW846-8260
Toluene	U	0.005	mg/L	SW846-8260
Total Xylene	U	0.005	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L	SW846-8260
Trichloroethene		0.003	mg/L	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L	SW846-8260
Vinyl acetate	U	0.005	mg/L	SW846-8260
Vinyl chloride	U	0.002	mg/L	SW846-8260

**5988-95**

Collected: 4/4/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)		1	mg/L			W-150
Total Organic Halides (TOX)	U	0.005	mg/L			SW846-9020
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		439	umho/cm			SA-COND-1

**MW224**

**C746S-95**

**C-746S&T Landfill Monitoring C746S-95**

**5989-95**

Collected: 4/4/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)	U	0.005	mg/L			SW846-9020
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		439	umho/cm			SA-COND-1

**5990-95**

Collected: 4/4/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)	U	0.005	mg/L			SW846-9020
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		440	umho/cm			SA-COND-1

**MW224**

**C746S-95**

**C-746S&T Landfill Monitoring C746S-95**

**6757-95**

Collected: 7/11/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		48	mg/L			SW846-9251
Nitrate as Nitrogen		2.5	mg/L			SA-N-1
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)		0.005	mg/L			SW846-9020
<b>Field P</b>						
Depth to Water		65.95	ft			
Dissolved Oxygen		5.21	mg/L			
pH		6.1	Std Unit			
Temperature		61	deg F			
<b>METAL</b>						
Aluminum		0.2	mg/L			SW846-6010
Antimony	U	0.006	mg/L			SW846-7041
Barium		0.231	mg/L			SW846-6010
Beryllium		0.002	mg/L			SW846-6010
Boron		0.03	mg/L			SW846-6010
Cadmium	BNU	0.005	mg/L			SW846-7131
Calcium		26.7	mg/L			SW846-6010
Cerium		0.08	mg/L			SW846-6010
Chromium	U	0.025	mg/L			SW846-6010
Cobalt		0.01	mg/L			SW846-6010
Copper	U	0.025	mg/L			SW846-6010
Gallium		0.09	mg/L			SW846-6010
Iron		0.3	mg/L			SW846-6010
Lead	U	0.005	mg/L			SW846-7421
Lithium		0.08	mg/L			SW846-6010
Magnesium		11.4	mg/L			SW846-6010
Manganese		0.011	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Molybdenum		0.03	mg/L			SW846-6010
Nickel		0.08	mg/L			SW846-6010
Potassium		3	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	U	0.025	mg/L			SW846-6010
Sodium	N	41.8	mg/L			SW846-6010
Strontium		0.108	mg/L			SW846-6010
Thallium	U	0.002	mg/L			SW846-7841
Thorium		0.05	mg/L			SW846-6010
Titanium		0.06	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Vanadium		0.02	mg/L			SW846-6010
Zinc		0.05	mg/L			SW846-6010
Zirconium		0.02	mg/L			SW846-6010
<b>PHYSC</b>						
Chemical Oxygen Demand (COD)		9	mg/L			W-40
Dissolved Solids		240	mg/L			IN7475
Specific Conductivity (PIP)		441	umho/cm			IN7125
Turbidity		1.4	NTU			IN7490
<b>RADS</b>						
Alpha activity		2.2	pCi/L	0.8		R-4





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**MW224**

**C746S-95**

**C-746S&T Landfill Monitoring C746S-95**

Vinyl acetate	U	0.005	mg/L	SW846-8260
Vinyl chloride	U	0.002	mg/L	SW846-8260

**6758-95**

Collected: 7/11/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)	U	0.005	mg/L			SW846-9020
<b>Field P</b>						
pH		6.1	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		440	umho/cm			IN7125

**6759-95**

Collected: 7/11/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)		0.005	mg/L			SW846-9020
<b>Field P</b>						
pH		6.1	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		440	umho/cm			IN7125

**6760-95**

Collected: 7/11/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)	U	0.005	mg/L			SW846-9020
<b>Field P</b>						
pH		6.1	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		441	umho/cm			IN7125

**MW224**

**C746S-95**

**C-746S&T Landfill Monitoring C746S-95**

**7593-95**

Collected: 10/10/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		37.9	mg/L			IN7120
Nitrate as Nitrogen		1.7	mg/L			IN7120
Total Organic Carbon (TOC)		1	mg/L			W-150
Total Organic Halides (TOX)		0.007	mg/L			SW846-9020
<b>Field P</b>						
Depth to Water		69.58	ft			
Dissolved Oxygen		3.39	mg/L			
pH		6.1	Std Unit			
Temperature		61	deg F			
<b>METAL</b>						
Antimony	U	0.003	mg/L			DNT
Barium		0.254	mg/L			SW846-6010
Beryllium	U	0.002	mg/L			DNT
Cadmium	JU	0.01	mg/L			SW846-6010
Chromium	U	0.03	mg/L			SW846-6010
Cobalt	U	0.022	mg/L			SW846-6010
Copper	U	0.012	mg/L			SW846-6010
Iron	U	0.178	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Nickel		0.144	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	JU	0.03	mg/L			SW846-6010
Sodium	N	63	mg/L			SW846-6010
Thallium	U	0.002	mg/L			DNT
Uranium	U	0.001	mg/L			IN7105
Vanadium		0.119	mg/L			SW846-6010
Zinc	U	0.015	mg/L			SW846-6010
<b>METAL-D</b>						
Barium		0.223	mg/L			SW846-6010
Nickel	U	0.1	mg/L			SW846-6010
Sodium	N	53.8	mg/L			SW846-6010
Vanadium		0.056	mg/L			SW846-6010
<b>PHYSC</b>						
Chemical Oxygen Demand (COD)	<	5	mg/L			W-40
Dissolved Solids		271	mg/L			IN7475
Specific Conductivity (PIP)		509	umho/cm			IN7125
Turbidity		1.3	NTU			IN7490
<b>RADS</b>						
Alpha activity	U	400	pCi/L			R-56
Alpha activity		1.7	pCi/L	1.1		R-4
Beta activity		6	pCi/L	1		R-4
Beta activity	U	1000	pCi/L			R-56
Technetium-99		0	pCi/L	0		RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene		5.7E-05	mg/L			SW846-8260
1,4-Dichlorobenzene	B	6.2E-05	mg/L			SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.00005	mg/L			SW846-8260
1,1,1-Trichloroethane	U	0.00005	mg/L			SW846-8260

## MW224

## C746S-95

## C-746S&amp;T Landfill Monitoring C746S-95

1,1,2,2-Tetrachloroethane	U	0.00005	mg/L	SW846-8260
1,1,2-Trichloroethane	U	0.00005	mg/L	SW846-8260
1,1-Dichloroethane	U	0.00005	mg/L	SW846-8260
1,1-Dichloroethene	U	0.00005	mg/L	SW846-8260
1,2,3-Trichloropropane	U	0.00005	mg/L	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.00005	mg/L	SW846-8260
1,2-Dibromoethane	U	0.00005	mg/L	SW846-8260
1,2-Dichloroethane	U	0.00005	mg/L	SW846-8260
1,2-Dichloropropane	U	0.00005	mg/L	SW846-8260
2-Butanone	U	0.005	mg/L	SW846-8260
2-Chloroethyl vinyl ether	U	0.001	mg/L	SW846-8260
2-Hexanone	U	0.005	mg/L	SW846-8260
4-Methyl-2-pentanone	U	0.005	mg/L	SW846-8260
Acetone	U	0.005	mg/L	SW846-8260
Acrolein	U	0.001	mg/L	SW846-8260
Acrylonitrile	U	0.001	mg/L	SW846-8260
Benzene	U	0.00005	mg/L	SW846-8260
Bromochloromethane	U	0.00005	mg/L	SW846-8260
Bromodichloromethane	U	0.00005	mg/L	SW846-8260
Bromoform	U	0.00005	mg/L	SW846-8260
Bromomethane	B	6.2E-05	mg/L	SW846-8260
Carbon disulfide	U	0.001	mg/L	SW846-8260
Carbon tetrachloride	U	0.00005	mg/L	SW846-8260
Chlorobenzene	J	4.6E-05	mg/L	SW846-8260
Chloroethane	U	0.00005	mg/L	SW846-8260
Chloroform	B	5.8E-05	mg/L	SW846-8260
Chloromethane	B	9.3E-05	mg/L	SW846-8260
cis-1,2-Dichloroethene		7.8E-05	mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.00005	mg/L	SW846-8260
Dibromochloromethane	U	0.00005	mg/L	SW846-8260
Dibromomethane	U	0.00005	mg/L	SW846-8260
Dichlorodifluoromethane		7.4E-05	mg/L	SW846-8260
Ethanol		0.35	mg/L	SW846-8260
Ethyl methacrylate	U	0.001	mg/L	SW846-8260
Ethylbenzene	U	0.00005	mg/L	SW846-8260
Iodomethane	U	0.001	mg/L	SW846-8260
m,p-Xylene	J	5.5E-05	mg/L	SW846-8260
Methylene chloride	B	7.4E-05	mg/L	SW846-8260
Styrene	U	0.00005	mg/L	SW846-8260
Tetrachloroethene	U	0.00005	mg/L	SW846-8260
Tetrachloroethene	U	0.00005	mg/L	SW846-8260
Toluene	B	0.00012	mg/L	SW846-8260
Total Xylene	U	0.00005	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.00005	mg/L	SW846-8260
trans-1,3-Dichloropropene		0.00017	mg/L	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.001	mg/L	SW846-8260
Trichloroethene		0.0016	mg/L	SW846-8260
Trichlorofluoromethane	U	0.00005	mg/L	SW846-8260
Vinyl acetate	U	0.001	mg/L	SW846-8260
Vinyl chloride	U	0.00005	mg/L	SW846-8260

**MW224**

**C746S-95**

**C-746S&T Landfill Monitoring C746S-95**

**7594-95**

Collected: 10/10/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)		0.007	mg/L			SW846-9020
<b>Field P</b>						
pH		6.1	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		510	umho/cm			IN7125

**7595-95**

Collected: 10/10/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)		0.01	mg/L			SW846-9020
<b>Field P</b>						
pH		6.1	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		510	umho/cm			IN7125

**7596-95**

Collected: 10/10/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)		0.01	mg/L			SW846-9020
<b>Field P</b>						
pH		6.1	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		509	umho/cm			IN7125

## MW263

## C746S-95

## C-746S&amp;T Landfill Monitoring C746S-95

## 5294-95

Collected: 1/11/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		34	mg/L			SW846-9251
Nitrate as Nitrogen		0.9	mg/L			SA-N-1
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)		0.01	mg/L			SW846-9020
<b>Field P</b>						
Depth to Water		35.8	ft			
Dissolved Oxygen		1.98	mg/L			
pH		6.1	Std Unit			
Temperature		59	deg F			
<b>METAL</b>						
Aluminum	U	0.2	mg/L			SW846-6010
Antimony	U	0.006	mg/L			SW846-7041
Barium		0.072	mg/L			SW846-6010
Beryllium	U	0.002	mg/L			SW846-6010
Boron		0.7	mg/L			SW846-6010
Cadmium	U	0.0005	mg/L			SW846-7131
Calcium		39.6	mg/L			SW846-6010
Cerium	U	0.08	mg/L			SW846-6010
Chromium	U	0.03	mg/L			SW846-6010
Cobalt	U	0.01	mg/L			SW846-6010
Copper	U	0.03	mg/L			SW846-6010
Gallium	U	0.09	mg/L			SW846-6010
Iron	U	0.3	mg/L			SW846-6010
Lead	U	0.005	mg/L			SW846-7421
Lithium	U	0.08	mg/L			SW846-6010
Magnesium		16.1	mg/L			SW846-6010
Manganese		0.166	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Molybdenum	U	0.03	mg/L			SW846-6010
Nickel	U	0.04	mg/L			SW846-6010
Potassium	U	3	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	U	0.03	mg/L			SW846-6010
Sodium		48.1	mg/L			SW846-6010
Strontium		0.127	mg/L			SW846-6010
Thallium	U	0.002	mg/L			SW846-7841
Thorium	U	0.05	mg/L			SW846-6010
Titanium	U	0.06	mg/L			SW846-6010
Uranium	U	0.001	mg/L			SA-U-8
Vanadium	U	0.02	mg/L			SW846-6010
Zinc	U	0.05	mg/L			SW846-6010
Zirconium	U	0.02	mg/L			SW846-6010
<b>METAL-D</b>						
Aluminum	U	0.2	mg/L			SW846-6010
Antimony	U	0.006	mg/L			SW846-7041
Barium		0.07	mg/L			SW846-6010
Beryllium	U	0.002	mg/L			SW846-6010
Boron		0.7	mg/L			SW846-6010
Cadmium	U	0.0005	mg/L			SW846-7131

**MW263****C746S-95****C-746S&T Landfill Monitoring C746S-95**

Calcium		39.8	mg/L	SW846-6010
Cerium	U	0.08	mg/L	SW846-6010
Chromium	U	0.03	mg/L	SW846-6010
Cobalt	U	0.01	mg/L	SW846-6010
Copper	U	0.03	mg/L	SW846-6010
Gallium	U	0.09	mg/L	SW846-6010
Iron	U	0.3	mg/L	SW846-6010
Lead	U	0.005	mg/L	SW846-7421
Lithium	U	0.08	mg/L	SW846-6010
Magnesium		16.1	mg/L	SW846-6010
Manganese		0.16	mg/L	SW846-6010
Mercury	U	0.0002	mg/L	SW846-7470
Molybdenum	U	0.03	mg/L	SW846-6010
Nickel	U	0.04	mg/L	SW846-6010
Potassium	U	3	mg/L	SW846-6010
Selenium	U	0.005	mg/L	SW846-7740
Silver	U	0.03	mg/L	SW846-6010
Sodium		48	mg/L	SW846-6010
Strontium		0.127	mg/L	SW846-6010
Thallium	U	0.002	mg/L	SW846-7841
Thorium	U	0.05	mg/L	SW846-6010
Titanium	U	0.06	mg/L	SW846-6010
Vanadium	U	0.02	mg/L	SW846-6010
Zinc	U	0.05	mg/L	SW846-6010
Zirconium	U	0.02	mg/L	SW846-6010

**PHYSC**

Chemical Oxygen Demand (COD)		7	mg/L	W-40
Dissolved Solids		316	mg/L	W-140
Specific Conductivity (PIP)		553	umho/cm	SA-COND-1
Turbidity		3.7	NTU	W-170

**RADS**

Alpha activity		1.2	pCi/L	1	R-4
Alpha activity	U	1000	pCi/L		R
Beta activity	U	1000	pCi/L		R
Beta activity		23	pCi/L	10	R-4
Technetium-99		24	pCi/L	20	R-46

**SVOA**

1,2-Dichlorobenzene	U	0.005	mg/L	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L	SW846-8260

**VOA**

1,1,1,2-Tetrachloroethane	U	0.005	mg/L	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	SW846-8260
1,1,2-Trichloro-1,2,2-trifluoroethane	U	0.005	mg/L	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	SW846-8260
2-Butanone	JB	0.004	mg/L	SW846-8260
2-Chloroethyl vinyl ether	U	0.005	mg/L	SW846-8260
2-Hexanone	U	0.005	mg/L	SW846-8260
4-Methyl-2-pentanone	U	0.005	mg/L	SW846-8260

**MW263**

**C746S-95**

**C-746S&T Landfill Monitoring C746S-95**

Acetone	J	0.003	mg/L	SW846-8260
Acrolein	U	0.005	mg/L	SW846-8260
Acrylonitrile	U	0.005	mg/L	SW846-8260
Benzene	U	0.005	mg/L	SW846-8260
Bromochloromethane	U	0.005	mg/L	SW846-8260
Bromodichloromethane	U	0.005	mg/L	SW846-8260
Bromoform	U	0.005	mg/L	SW846-8260
Bromomethane	U	0.005	mg/L	SW846-8260
Carbon disulfide	U	0.005	mg/L	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	SW846-8260
Chlorobenzene	U	0.005	mg/L	SW846-8260
Chloroethane	U	0.005	mg/L	SW846-8260
Chloromethane	U	0.005	mg/L	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Dibromochloromethane	U	0.005	mg/L	SW846-8260
Dibromomethane	U	0.005	mg/L	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	SW846-8260
Ethanol	U	0.2	mg/L	SW846-8260
Ethyl methacrylate	U	0.005	mg/L	SW846-8260
Ethylbenzene	U	0.005	mg/L	SW846-8260
Iodomethane	U	0.005	mg/L	SW846-8260
Methylene chloride	U	0.005	mg/L	SW846-8260
Styrene	U	0.005	mg/L	SW846-8260
Tetrachloroethene	U	0.005	mg/L	SW846-8260
Toluene	U	0.005	mg/L	SW846-8260
Total Xylene	U	0.005	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L	SW846-8260
Trichloroethene		0.004	mg/L	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L	SW846-8260
Vinyl acetate	U	0.005	mg/L	SW846-8260
Vinyl chloride	U	0.002	mg/L	SW846-8260

**5295-95**

Collected: 1/11/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)	U	0.005	mg/L			SW846-9020
<b>Field P</b>						
pH		6.1	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		553	umho/cm			SA-COND-1

**MW263**

**C746S-95**

**C-746S&T Landfill Monitoring C746S-95**

**5296-95**

Collected: 1/11/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)		0.011	mg/L			SW846-9020
<b>Field P</b>						
pH		6.1	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		553	umho/cm			SA-COND-1

**5297-95**

Collected: 1/11/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)		0.013	mg/L			SW846-9020
<b>Field P</b>						
pH		6.1	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		553	umho/cm			SA-COND-1



MW263

C746S-95

C-746S&T Landfill Monitoring C746S-95

5991-95

Collected: 4/4/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		34	mg/L			SW846-9251
Nitrate as Nitrogen		0.9	mg/L			SA-N-1
Sulfate		82	mg/L			SW846-9038
Total Organic Carbon (TOC)		1	mg/L			W-150
Total Organic Halides (TOX)		0.01	mg/L			SW846-9020
<b>Field P</b>						
Depth to Water		33.03	ft			
Dissolved Oxygen		2.29	mg/L			
pH		6.2	Std Unit			
Temperature		59	deg F			
<b>METAL</b>						
Aluminum		0.2	mg/L			SW846-6010
Antimony	U	0.006	mg/L			SW846-7041
Barium		0.067	mg/L			SW846-6010
Beryllium		0.002	mg/L			SW846-6010
Boron		0.71	mg/L			SW846-6010
Cadmium	U	0.0005	mg/L			SW846-7131
Calcium		39.7	mg/L			SW846-6010
Cerium		0.08	mg/L			SW846-6010
Chromium		0.07	mg/L			SW846-6010
Cobalt		0.01	mg/L			SW846-6010
Copper		0.03	mg/L			SW846-6010
Gallium		0.09	mg/L			SW846-6010
Iron		0.5	mg/L			SW846-6010
Lead	U	0.005	mg/L			SW846-7421
Lithium		0.08	mg/L			SW846-6010
Magnesium		16	mg/L			SW846-6010
Manganese		0.085	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Molybdenum		0.03	mg/L			SW846-6010
Nickel		0.04	mg/L			SW846-6010
Potassium		3	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver		0.03	mg/L			SW846-6010
Sodium		47.7	mg/L			SW846-6010
Strontium		0.126	mg/L			SW846-6010
Thallium	U	0.002	mg/L			SW846-7841
Thorium		0.05	mg/L			SW846-6010
Titanium		0.06	mg/L			SW846-6010
Uranium	U	0.001	mg/L			SA-U-8
Vanadium		0.02	mg/L			SW846-6010
Zinc		0.05	mg/L			SW846-6010
Zirconium		0.02	mg/L			SW846-6010
<b>METAL-D</b>						
Aluminum		0.2	mg/L			SW846-6010
Antimony	U	0.006	mg/L			SW846-7041
Barium		0.066	mg/L			SW846-6010
Beryllium		0.002	mg/L			SW846-6010
Boron		0.73	mg/L			SW846-6010

**MW263**

**C746S-95**

**C-746S&T Landfill Monitoring C746S-95**

Cadmium	U	0.0005	mg/L	SW846-7131
Calcium		39.4	mg/L	SW846-6010
Cerium		0.08	mg/L	SW846-6010
Chromium		0.03	mg/L	SW846-6010
Cobalt		0.01	mg/L	SW846-6010
Copper		0.03	mg/L	SW846-6010
Gallium		0.09	mg/L	SW846-6010
Iron		0.3	mg/L	SW846-6010
Lead	U	0.005	mg/L	SW846-7421
Lithium		0.08	mg/L	SW846-6010
Magnesium		15.9	mg/L	SW846-6010
Manganese		0.081	mg/L	SW846-6010
Mercury	U	0.0002	mg/L	SW846-7470
Molybdenum		0.03	mg/L	SW846-6010
Nickel		0.04	mg/L	SW846-6010
Potassium		3	mg/L	SW846-6010
Selenium	U	0.005	mg/L	SW846-7740
Silver		0.03	mg/L	SW846-6010
Sodium		47.4	mg/L	SW846-6010
Strontium		0.126	mg/L	SW846-6010
Thallium	U	0.002	mg/L	SW846-7841
Thorium		0.05	mg/L	SW846-6010
Titanium		0.06	mg/L	SW846-6010
Vanadium		0.02	mg/L	SW846-6010
Zinc		0.05	mg/L	SW846-6010
Zirconium		0.02	mg/L	SW846-6010

**PHYSC**

Chemical Oxygen Demand (COD)	<	5	mg/L	W-40
Dissolved Solids		337	mg/L	W-140
Specific Conductivity (PIP)		544	umho/cm	SA-COND-1
Turbidity		5.8	NTU	W-170

**RADS**

Alpha activity		-2	pCi/L	-1.9	R-4
Alpha activity	U	1000	pCi/L		R
Beta activity	U	1000	pCi/L		R
Beta activity		22	pCi/L	3	R-4
Technetium-99		22	pCi/L	19	R-46

**SVOA**

1,2-Dichlorobenzene	U	0.005	mg/L	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L	SW846-8260

**VOA**

1,1,1,2-Tetrachloroethane	U	0.005	mg/L	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	SW846-8260
1,1,2-Trichloro-1,2,2-trifluoroethane	U	0.005	mg/L	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	SW846-8260
2-Butanone	U	0.005	mg/L	SW846-8260
2-Chloroethyl vinyl ether	U	0.005	mg/L	SW846-8260
2-Hexanone	U	0.005	mg/L	SW846-8260

**MW263**

**C746S-95**

**C-746S&T Landfill Monitoring C746S-95**

4-Methyl-2-pentanone	U	0.005	mg/L	SW846-8260
Acetone	U	0.005	mg/L	SW846-8260
Acrolein	U	0.005	mg/L	SW846-8260
Acrylonitrile	U	0.005	mg/L	SW846-8260
Benzene	U	0.005	mg/L	SW846-8260
Bromochloromethane	U	0.005	mg/L	SW846-8260
Bromodichloromethane	U	0.005	mg/L	SW846-8260
Bromoform	U	0.005	mg/L	SW846-8260
Bromomethane	U	0.005	mg/L	SW846-8260
Carbon disulfide	U	0.005	mg/L	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	SW846-8260
Chlorobenzene	U	0.005	mg/L	SW846-8260
Chloroethane	U	0.005	mg/L	SW846-8260
Chloromethane	U	0.005	mg/L	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Dibromochloromethane	U	0.005	mg/L	SW846-8260
Dibromomethane	U	0.005	mg/L	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	SW846-8260
Ethanol	U	0.2	mg/L	SW846-8260
Ethyl methacrylate	U	0.005	mg/L	SW846-8260
Ethylbenzene	U	0.005	mg/L	SW846-8260
Iodomethane	U	0.005	mg/L	SW846-8260
Methylene chloride	U	0.005	mg/L	SW846-8260
Styrene	U	0.005	mg/L	SW846-8260
Tetrachloroethene	U	0.005	mg/L	SW846-8260
Toluene	U	0.005	mg/L	SW846-8260
Total Xylene	U	0.005	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L	SW846-8260
Trichloroethene		0.005	mg/L	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L	SW846-8260
Vinyl acetate	U	0.005	mg/L	SW846-8260
Vinyl chloride	U	0.002	mg/L	SW846-8260

**5992-95**

Collected: 4/4/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)		0.008	mg/L			SW846-9020
<b>Field P</b>						
pH		6.2	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		541	umho/cm			SA-COND-1

**MW263**

**C746S-95**

**C-746S&T Landfill Monitoring C746S-95**

**5993-95**

Collected: 4/4/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)		1	mg/L			W-150
Total Organic Halides (TOX)		0.01	mg/L			SW846-9020
<b>Field P</b>						
pH		6.2	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		543	umho/cm			SA-COND-1

**5994-95**

Collected: 4/4/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)		1	mg/L			W-150
Total Organic Halides (TOX)	U	0.005	mg/L			SW846-9020
<b>Field P</b>						
pH		6.2	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		544	umho/cm			SA-COND-1

**MW263**

**C746S-95**

**C-746S&T Landfill Monitoring C746S-95**

**6761-95**

Collected: 7/11/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		37	mg/L			SW846-9251
Nitrate as Nitrogen		1	mg/L			SA-N-1
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)		0.01	mg/L			SW846-9020
<b>Field P</b>						
Depth to Water		29.81	ft			
Dissolved Oxygen		2.15	mg/L			
pH		6	Std Unit			
Temperature		60	deg F			
<b>METAL</b>						
Aluminum		0.2	mg/L			SW846-6010
Antimony	U	0.006	mg/L			SW846-7041
Barium		0.064	mg/L			SW846-6010
Beryllium		0.002	mg/L			SW846-6010
Boron		0.81	mg/L			SW846-6010
Cadmium	BNU	0.005	mg/L			SW846-7131
Calcium		37.7	mg/L			SW846-6010
Cerium		0.08	mg/L			SW846-6010
Chromium	U	0.025	mg/L			SW846-6010
Cobalt		0.01	mg/L			SW846-6010
Copper	U	0.025	mg/L			SW846-6010
Gallium		0.09	mg/L			SW846-6010
Iron		0.3	mg/L			SW846-6010
Lead	U	0.005	mg/L			SW846-7421
Lithium		0.08	mg/L			SW846-6010
Magnesium		15.5	mg/L			SW846-6010
Manganese		0.059	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Molybdenum		0.03	mg/L			SW846-6010
Nickel		0.04	mg/L			SW846-6010
Potassium		3	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	U	0.025	mg/L			SW846-6010
Sodium	N	47.9	mg/L			SW846-6010
Strontium		0.123	mg/L			SW846-6010
Thallium	U	0.002	mg/L			SW846-7841
Thorium		0.05	mg/L			SW846-6010
Titanium		0.06	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Vanadium		0.02	mg/L			SW846-6010
Zinc		0.05	mg/L			SW846-6010
Zirconium		0.02	mg/L			SW846-6010
<b>PHYSC</b>						
Chemical Oxygen Demand (COD)	<	5	mg/L			W-40
Dissolved Solids		324	mg/L			IN7475
Specific Conductivity (PIP)		543	umho/cm			EPA-120.1
Turbidity		1.9	NTU			IN7490
<b>RADS</b>						
Alpha activity		1.4	pCi/L	0.5		R-4



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**MW263**

**C746S-95**

**C-746S&T Landfill Monitoring C746S-95**

Vinyl acetate	U	0.005	mg/L	SW846-8260
Vinyl chloride	U	0.002	mg/L	SW846-8260

**6762-95**

Collected: 7/11/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)		1	mg/L			W-150
Total Organic Halides (TOX)		0.01	mg/L			SW846-9020
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		543	umho/cm			IN7125

**6763-95**

Collected: 7/11/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)		0.008	mg/L			SW846-9020
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		542	umho/cm			IN7125

**6764-95**

Collected: 7/11/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)		0.012	mg/L			SW846-9020
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		543	umho/cm			IN7125

MW263

C746S-95

C-746S&T Landfill Monitoring C746S-95

7597-95

Collected: 10/9/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		38.6	mg/L			IN7120
Nitrate as Nitrogen	U	1	mg/L			IN7120
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)		0.007	mg/L			SW846-9020
<b>Field P</b>						
Depth to Water		33.45	ft			
Dissolved Oxygen		3.69	mg/L			
pH		6.2	Std Unit			
Temperature		60	deg F			
<b>METAL</b>						
Antimony	U	0.003	mg/L			DNT
Barium		0.066	mg/L			SW846-6010
Beryllium	U	0.002	mg/L			DNT
Cadmium	JU	0.01	mg/L			SW846-6010
Chromium		0.102	mg/L			SW846-6010
Cobalt	U	0.022	mg/L			SW846-6010
Copper	U	0.012	mg/L			SW846-6010
Iron		0.645	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Nickel		0.14	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	JU	0.03	mg/L			SW846-6010
Sodium	N	49.8	mg/L			SW846-6010
Thallium	U	0.002	mg/L			DNT
Uranium	U	0.001	mg/L			IN7105
Vanadium		0.155	mg/L			SW846-6010
Zinc	U	0.015	mg/L			SW846-6010
<b>METAL-D</b>						
Barium	U	0.07	mg/L			SW846-6010
Chromium	U	0.03	mg/L			SW846-6010
Iron	U	0.355	mg/L			SW846-6010
Nickel	U	0.1	mg/L			SW846-6010
Sodium	N	48.2	mg/L			SW846-6010
Vanadium		0.083	mg/L			SW846-6010
<b>PHYSC</b>						
Chemical Oxygen Demand (COD)	<	5	mg/L			W-40
Dissolved Solids		338	mg/L			IN7475
Specific Conductivity (PIP)		580	umho/cm			IN7125
Turbidity		3.9	NTU			IN7490
<b>RADS</b>						
Alpha activity	U	400	pCi/L			R-56
Alpha activity		-0.8	pCi/L	-0.7		R-4
Beta activity	U	1000	pCi/L			R-56
Beta activity		22	pCi/L	3		R-4
Technetium-99		18	pCi/L	10		RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.00005	mg/L			SW846-8260
1,4-Dichlorobenzene	U	0.00005	mg/L			SW846-8260
<b>VOA</b>						



## MW263

## C746S-95

## C-746S&amp;T Landfill Monitoring C746S-95

1,1,1,2-Tetrachloroethane	U	0.00005	mg/L	SW846-8260
1,1,1-Trichloroethane	U	0.00005	mg/L	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.00005	mg/L	SW846-8260
1,1,2-Trichloroethane	U	0.00005	mg/L	SW846-8260
1,1-Dichloroethane	U	0.00005	mg/L	SW846-8260
1,1-Dichloroethene	U	0.00005	mg/L	SW846-8260
1,2,3-Trichloropropane	U	0.00005	mg/L	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.00005	mg/L	SW846-8260
1,2-Dibromoethane	U	0.00005	mg/L	SW846-8260
1,2-Dichloroethane	U	0.00005	mg/L	SW846-8260
1,2-Dichloropropane	U	0.00005	mg/L	SW846-8260
2-Butanone	U	0.005	mg/L	SW846-8260
2-Chloroethyl vinyl ether	U	0.001	mg/L	SW846-8260
2-Hexanone	U	0.005	mg/L	SW846-8260
4-Methyl-2-pentanone	U	0.005	mg/L	SW846-8260
Acetone	B	0.0079	mg/L	SW846-8260
Acrolein	U	0.001	mg/L	SW846-8260
Acrylonitrile	U	0.001	mg/L	SW846-8260
Benzene	U	0.00005	mg/L	SW846-8260
Bromochloromethane	U	0.00005	mg/L	SW846-8260
Bromodichloromethane	U	0.00005	mg/L	SW846-8260
Bromoform	U	0.00005	mg/L	SW846-8260
Bromomethane	U	0.00005	mg/L	SW846-8260
Carbon disulfide	U	0.001	mg/L	SW846-8260
Carbon tetrachloride	U	0.00005	mg/L	SW846-8260
Chlorobenzene	U	0.00005	mg/L	SW846-8260
Chloroethane	U	0.00005	mg/L	SW846-8260
Chloroform	B	6.3E-05	mg/L	SW846-8260
Chloromethane	B	8.7E-05	mg/L	SW846-8260
cis-1,2-Dichloroethene		0.0003	mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.00005	mg/L	SW846-8260
Dibromochloromethane	U	0.00005	mg/L	SW846-8260
Dibromomethane	U	0.00005	mg/L	SW846-8260
Dichlorodifluoromethane	U	0.00005	mg/L	SW846-8260
Ethanol	U	0.25	mg/L	SW846-8260
Ethyl methacrylate	U	0.001	mg/L	SW846-8260
Ethylbenzene	U	0.00005	mg/L	SW846-8260
Iodomethane	U	0.001	mg/L	SW846-8260
m,p-Xylene	U	0.0001	mg/L	SW846-8260
Methylene chloride	B	5.3E-05	mg/L	SW846-8260
Styrene	U	0.00005	mg/L	SW846-8260
Tetrachloroethene	U	0.00005	mg/L	SW846-8260
Tetrachloroethene	U	0.00005	mg/L	SW846-8260
Toluene	B	0.00017	mg/L	SW846-8260
Total Xylene	U	0.00005	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.00005	mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.00005	mg/L	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.001	mg/L	SW846-8260
Trichloroethene		0.0062	mg/L	SW846-8260
Trichlorofluoromethane		0.00064	mg/L	SW846-8260
Vinyl acetate	U	0.001	mg/L	SW846-8260
Vinyl chloride	U	0.00005	mg/L	SW846-8260

**MW263**

**C746S-95**

**C-746S&T Landfill Monitoring C746S-95**

**7598-95**

Collected: 10/9/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)		0.007	mg/L			SW846-9020
<b>Field P</b>						
pH		6.2	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		580	umho/cm			IN7125

**7599-95**

Collected: 10/9/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)		0.015	mg/L			SW846-9020
<b>Field P</b>						
pH		6.2	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		580	umho/cm			IN7125

**7600-95**

Collected: 10/9/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)		0.01	mg/L			SW846-9020
<b>Field P</b>						
pH		6.2	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		578	umho/cm			IN7125

**MW264**

**C746S-95**

**C-746S&T Landfill Monitoring C746S-95**

**5298-95**

Collected: 1/10/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		44	mg/L			SW846-9251
Nitrate as Nitrogen		0.9	mg/L			SA-N-1
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)		0.011	mg/L			SW846-9020
<b>Field P</b>						
Depth to Water		41.14	ft			
Dissolved Oxygen		1.71	mg/L			
pH		6.3	Std Unit			
Temperature		59	deg F			
<b>METAL</b>						
Aluminum		5.2	mg/L			SW846-6010
Antimony	U	0.006	mg/L			SW846-7041
Barium		0.143	mg/L			SW846-6010
Beryllium	U	0.002	mg/L			SW846-6010
Boron		0.1	mg/L			SW846-6010
Cadmium	U	0.0005	mg/L			SW846-7131
Calcium		35.1	mg/L			SW846-6010
Cerium	U	0.08	mg/L			SW846-6010
Chromium	U	0.03	mg/L			SW846-6010
Cobalt	U	0.01	mg/L			SW846-6010
Copper	U	0.03	mg/L			SW846-6010
Gallium	U	0.09	mg/L			SW846-6010
Iron		5.8	mg/L			SW846-6010
Lead		0.005	mg/L			SW846-7421
Lithium	U	0.08	mg/L			SW846-6010
Magnesium		12	mg/L			SW846-6010
Manganese		0.268	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Molybdenum	U	0.03	mg/L			SW846-6010
Nickel	U	0.04	mg/L			SW846-6010
Potassium		4	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	U	0.03	mg/L			SW846-6010
Sodium		43.1	mg/L			SW846-6010
Strontium		0.111	mg/L			SW846-6010
Thallium	U	0.002	mg/L			SW846-7841
Thorium	U	0.05	mg/L			SW846-6010
Titanium	U	0.06	mg/L			SW846-6010
Uranium	U	0.001	mg/L			SA-U-8
Vanadium	U	0.02	mg/L			SW846-6010
Zinc	U	0.05	mg/L			SW846-6010
Zirconium	U	0.02	mg/L			SW846-6010
<b>METAL-D</b>						
Aluminum	U	0.2	mg/L			SW846-6010
Antimony	U	0.006	mg/L			SW846-7041
Barium		0.126	mg/L			SW846-6010
Beryllium	U	0.002	mg/L			SW846-6010
Boron		0.1	mg/L			SW846-6010
Cadmium	U	0.0005	mg/L			SW846-7131

## MW264

## C746S-95

## C-746S&amp;T Landfill Monitoring C746S-95

Calcium		34.3	mg/L		SW846-6010
Cerium	U	0.08	mg/L		SW846-6010
Chromium	U	0.03	mg/L		SW846-6010
Cobalt	U	0.01	mg/L		SW846-6010
Copper	U	0.03	mg/L		SW846-6010
Gallium	U	0.09	mg/L		SW846-6010
Iron	U	0.3	mg/L		SW846-6010
Lead	U	0.005	mg/L		SW846-7421
Lithium	U	0.08	mg/L		SW846-6010
Magnesium		11.5	mg/L		SW846-6010
Manganese		0.246	mg/L		SW846-6010
Mercury	U	0.0002	mg/L		SW846-7470
Molybdenum	U	0.03	mg/L		SW846-6010
Nickel	U	0.04	mg/L		SW846-6010
Potassium		3	mg/L		SW846-6010
Selenium	U	0.005	mg/L		SW846-7740
Silver	U	0.03	mg/L		SW846-6010
Sodium		42.7	mg/L		SW846-6010
Strontium		0.108	mg/L		SW846-6010
Thallium	U	0.002	mg/L		SW846-7841
Thorium	U	0.05	mg/L		SW846-6010
Titanium	U	0.06	mg/L		SW846-6010
Vanadium	U	0.02	mg/L		SW846-6010
Zinc	U	0.05	mg/L		SW846-6010
Zirconium	U	0.02	mg/L		SW846-6010
<b>PHYSC</b>					
Chemical Oxygen Demand (COD)	<	5	mg/L		W-40
Dissolved Solids		253	mg/L		W-140
Specific Conductivity (PIP)		471	umho/cm		SA-COND-1
Turbidity		80	NTU		W-170
<b>RADS</b>					
Alpha activity		0.9	pCi/L	0.8	R-4
Alpha activity	U	1000	pCi/L		R
Beta activity		8	pCi/L	3	R-4
Beta activity	U	1000	pCi/L		R
Technetium-99		0	pCi/L	13	R-46
<b>SVOA</b>					
1,2-Dichlorobenzene	U	0.005	mg/L		SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		SW846-8260
<b>VOA</b>					
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		SW846-8260
1,1,2-Trichloro-1,2,2-trifluoroethane	U	0.005	mg/L		SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		SW846-8260
2-Butanone	U	0.005	mg/L		SW846-8260
2-Chloroethyl vinyl ether	U	0.005	mg/L		SW846-8260
2-Hexanone	U	0.005	mg/L		SW846-8260
4-Methyl-2-pentanone	U	0.005	mg/L		SW846-8260

**MW264**

**C746S-95**

**C-746S&T Landfill Monitoring C746S-95**

Acetone	U	0.005	mg/L	SW846-8260
Acrolein	U	0.005	mg/L	SW846-8260
Acrylonitrile	U	0.005	mg/L	SW846-8260
Benzene	U	0.005	mg/L	SW846-8260
Bromochloromethane	U	0.005	mg/L	SW846-8260
Bromodichloromethane	U	0.005	mg/L	SW846-8260
Bromoform	U	0.005	mg/L	SW846-8260
Bromomethane	U	0.005	mg/L	SW846-8260
Carbon disulfide	U	0.005	mg/L	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	SW846-8260
Chlorobenzene	U	0.005	mg/L	SW846-8260
Chloroethane	U	0.005	mg/L	SW846-8260
Chloromethane	U	0.005	mg/L	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Dibromochloromethane	U	0.005	mg/L	SW846-8260
Dibromomethane	U	0.005	mg/L	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	SW846-8260
Ethanol	U	0.2	mg/L	SW846-8260
Ethyl methacrylate	U	0.005	mg/L	SW846-8260
Ethylbenzene	U	0.005	mg/L	SW846-8260
Iodomethane	U	0.005	mg/L	SW846-8260
Methylene chloride	U	0.005	mg/L	SW846-8260
Styrene	U	0.005	mg/L	SW846-8260
Tetrachloroethene	U	0.005	mg/L	SW846-8260
Toluene	U	0.005	mg/L	SW846-8260
Total Xylene	U	0.005	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L	SW846-8260
Trichloroethene		0.001	mg/L	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L	SW846-8260
Vinyl acetate	U	0.005	mg/L	SW846-8260
Vinyl chloride	U	0.002	mg/L	SW846-8260

**5299-95**

Collected: 1/10/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)		0.012	mg/L			SW846-9020
<b>Field P</b>						
pH		6.3	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		475	umho/cm			SA-COND-1

**MW264**

**C746S-95**

**C-746S&T Landfill Monitoring C746S-95**

**5300-95**

Collected: 1/10/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)		0.01	mg/L			SW846-9020
<b>Field P</b>						
pH		6.3	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		475	umho/cm			SA-COND-1

**5301-95**

Collected: 1/10/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)		0.005	mg/L			SW846-9020
<b>Field P</b>						
pH		6.3	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		476	umho/cm			SA-COND-1

MW264

C746S-95

C-746S&T Landfill Monitoring C746S-95

5995-95

Collected: 4/4/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		49	mg/L			SW846-9251
Nitrate as Nitrogen		0.7	mg/L			SA-N-1
Sulfate		80	mg/L			SW846-9038
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)		0.008	mg/L			SW846-9020
<b>Field P</b>						
Depth to Water		32.97	ft			
Dissolved Oxygen		3.26	mg/L			
pH		6.1	Std Unit			
Temperature		61	deg F			
<b>METAL</b>						
Aluminum		2.3	mg/L			SW846-6010
Antimony	U	0.006	mg/L			SW846-7041
Barium		0.141	mg/L			SW846-6010
Beryllium		0.002	mg/L			SW846-6010
Boron		0.11	mg/L			SW846-6010
Cadmium	U	0.0005	mg/L			SW846-7131
Calcium		38.8	mg/L			SW846-6010
Cerium		0.08	mg/L			SW846-6010
Chromium		0.03	mg/L			SW846-6010
Cobalt		0.01	mg/L			SW846-6010
Copper		0.03	mg/L			SW846-6010
Gallium		0.09	mg/L			SW846-6010
Iron		2.7	mg/L			SW846-6010
Lead	U	0.005	mg/L			SW846-7421
Lithium		0.08	mg/L			SW846-6010
Magnesium		12.3	mg/L			SW846-6010
Manganese		0.21	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Molybdenum		0.03	mg/L			SW846-6010
Nickel		0.04	mg/L			SW846-6010
Potassium		5	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver		0.03	mg/L			SW846-6010
Sodium		48.5	mg/L			SW846-6010
Strontium		0.13	mg/L			SW846-6010
Thallium	U	0.002	mg/L			SW846-7841
Thorium		0.05	mg/L			SW846-6010
Titanium		0.06	mg/L			SW846-6010
Uranium	U	0.001	mg/L			SA-U-8
Vanadium		0.02	mg/L			SW846-6010
Zinc		0.05	mg/L			SW846-6010
Zirconium		0.02	mg/L			SW846-6010
<b>METAL-D</b>						
Aluminum		0.2	mg/L			SW846-6010
Antimony		0.008	mg/L			SW846-7041
Barium		0.124	mg/L			SW846-6010
Beryllium		0.002	mg/L			SW846-6010
Boron		0.17	mg/L			SW846-6010

**MW264**

**C746S-95**

**C-746S&T Landfill Monitoring C746S-95**

Cadmium	U	0.0005	mg/L		SW846-7131
Calcium		35.3	mg/L		SW846-6010
Cerium		0.08	mg/L		SW846-6010
Chromium		0.03	mg/L		SW846-6010
Cobalt		0.01	mg/L		SW846-6010
Copper		0.03	mg/L		SW846-6010
Gallium		0.09	mg/L		SW846-6010
Iron		0.3	mg/L		SW846-6010
Lead	U	0.005	mg/L		SW846-7421
Lithium		0.08	mg/L		SW846-6010
Magnesium		11.5	mg/L		SW846-6010
Manganese		0.179	mg/L		SW846-6010
Mercury	U	0.0002	mg/L		SW846-7470
Molybdenum		0.03	mg/L		SW846-6010
Nickel		0.04	mg/L		SW846-6010
Potassium		4	mg/L		SW846-6010
Selenium	U	0.005	mg/L		SW846-7740
Silver		0.03	mg/L		SW846-6010
Sodium		44.4	mg/L		SW846-6010
Strontium		0.114	mg/L		SW846-6010
Thallium	U	0.002	mg/L		SW846-7841
Thorium		0.05	mg/L		SW846-6010
Titanium		0.06	mg/L		SW846-6010
Vanadium		0.02	mg/L		SW846-6010
Zinc		0.05	mg/L		SW846-6010
Zirconium		0.02	mg/L		SW846-6010

**PHYSC**

Chemical Oxygen Demand (COD)		7	mg/L		W-40
Dissolved Solids		286	mg/L		W-140
Specific Conductivity (PIP)		533	umho/cm		SA-COND-1
Turbidity		50	NTU		W-170

**RADS**

Alpha activity	U	1000	pCi/L		R
Alpha activity		2	pCi/L	1.1	R-4
Beta activity	U	1000	pCi/L		R
Beta activity		13	pCi/L	2	R-4
Technetium-99		11	pCi/L	27	R-46

**SVOA**

1,2-Dichlorobenzene	U	0.005	mg/L		SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		SW846-8260

**VOA**

1,1,1,2-Tetrachloroethane	U	0.005	mg/L		SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		SW846-8260
1,1,2-Trichloro-1,2,2-trifluoroethane	U	0.005	mg/L		SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		SW846-8260
2-Butanone	U	0.005	mg/L		SW846-8260
2-Chloroethyl vinyl ether	U	0.005	mg/L		SW846-8260
2-Hexanone	U	0.005	mg/L		SW846-8260



**MW264**

**C746S-95**

**C-746S&T Landfill Monitoring C746S-95**

4-Methyl-2-pentanone	U	0.005	mg/L	SW846-8260
Acetone	U	0.005	mg/L	SW846-8260
Acrolein	U	0.005	mg/L	SW846-8260
Acrylonitrile	U	0.005	mg/L	SW846-8260
Benzene	U	0.005	mg/L	SW846-8260
Bromochloromethane	U	0.005	mg/L	SW846-8260
Bromodichloromethane	U	0.005	mg/L	SW846-8260
Bromoform	U	0.005	mg/L	SW846-8260
Bromomethane	U	0.005	mg/L	SW846-8260
Carbon disulfide	U	0.005	mg/L	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	SW846-8260
Chlorobenzene	U	0.005	mg/L	SW846-8260
Chloroethane	U	0.005	mg/L	SW846-8260
Chloromethane	U	0.005	mg/L	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Dibromochloromethane	U	0.005	mg/L	SW846-8260
Dibromomethane	U	0.005	mg/L	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	SW846-8260
Ethanol	U	0.2	mg/L	SW846-8260
Ethyl methacrylate	U	0.005	mg/L	SW846-8260
Ethylbenzene	U	0.005	mg/L	SW846-8260
Iodomethane	U	0.005	mg/L	SW846-8260
Methylene chloride	U	0.005	mg/L	SW846-8260
Styrene	U	0.005	mg/L	SW846-8260
Tetrachloroethene	U	0.005	mg/L	SW846-8260
Toluene	U	0.005	mg/L	SW846-8260
Total Xylene	U	0.005	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L	SW846-8260
Trichloroethene	U	0.001	mg/L	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L	SW846-8260
Vinyl acetate	U	0.005	mg/L	SW846-8260
Vinyl chloride	U	0.002	mg/L	SW846-8260

**5996-95**

Collected: 4/4/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)		0.008	mg/L			SW846-9020
<b>Field P</b>						
pH		6.2	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		529	umho/cm			SA-COND-1

**MW264**

**C746S-95**

**C-746S&T Landfill Monitoring C746S-95**

**5997-95**

Collected: 4/4/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)	U	0.005	mg/L			SW846-9020
<b>Field P</b>						
pH		6.1	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		522	umho/cm			SA-COND-1

**5998-95**

Collected: 4/4/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)		0.006	mg/L			SW846-9020
<b>Field P</b>						
pH		6.1	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		528	umho/cm			SA-COND-1

**MW264**

**C746S-95**

**C-746S&T Landfill Monitoring C746S-95**

**6765-95**

Collected: 7/11/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		44	mg/L			SW846-9251
Nitrate as Nitrogen		0.9	mg/L			SA-N-1
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)		0.01	mg/L			SW846-9020
<b>Field P</b>						
Depth to Water		35.4	ft			
Dissolved Oxygen		2.2	mg/L			
pH		6.2	Std Unit			
Temperature		60	deg F			
<b>METAL</b>						
Aluminum		1.3	mg/L			SW846-6010
Antimony	U	0.006	mg/L			SW846-7041
Barium		0.124	mg/L			SW846-6010
Beryllium		0.002	mg/L			SW846-6010
Boron		0.09	mg/L			SW846-6010
Cadmium	BNU	0.005	mg/L			SW846-7131
Calcium		33.5	mg/L			SW846-6010
Cerium		0.08	mg/L			SW846-6010
Chromium	U	0.025	mg/L			SW846-6010
Cobalt		0.01	mg/L			SW846-6010
Copper	U	0.025	mg/L			SW846-6010
Gallium		0.09	mg/L			SW846-6010
Iron		1.7	mg/L			SW846-6010
Lead	U	0.005	mg/L			SW846-7421
Lithium		0.08	mg/L			SW846-6010
Magnesium		11.2	mg/L			SW846-6010
Manganese		0.15	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Molybdenum		0.03	mg/L			SW846-6010
Nickel		0.04	mg/L			SW846-6010
Potassium		4	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	U	0.025	mg/L			SW846-6010
Sodium	N	34.5	mg/L			SW846-6010
Strontium		0.112	mg/L			SW846-6010
Thallium	U	0.002	mg/L			SW846-7841
Thorium		0.05	mg/L			SW846-6010
Titanium		0.06	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Vanadium		0.02	mg/L			SW846-6010
Zinc		0.05	mg/L			SW846-6010
Zirconium		0.02	mg/L			SW846-6010
<b>METAL-D</b>						
Uranium	U	0.001	mg/L			IN7105
<b>PHYSIC</b>						
Chemical Oxygen Demand (COD)	<	5	mg/L			W-40
Dissolved Solids		272	mg/L			IN7475
Specific Conductivity (PIP)		478	umho/cm			EPA-120.1
Turbidity		23	NTU			IN7490

## MW264

## C746S-95

## C-746S&amp;T Landfill Monitoring C746S-95

RADS					
Alpha activity	U	1000	pCi/L		R-56
Alpha activity		2.6	pCi/L	0.8	R-4
Beta activity	U	1000	pCi/L		R-56
Beta activity		18	pCi/L	2	R-4
Technetium-99		16	pCi/L	11	R-46
SVOA					
1,2-Dichlorobenzene	U	0.005	mg/L		SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		SW846-8260
VOA					
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		SW846-8260
1,1,2-Trichloro-1,2,2-trifluoroethane	U	0.005	mg/L		SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		SW846-8260
2-Butanone	U	0.005	mg/L		SW846-8260
2-Chloroethyl vinyl ether	U	0.005	mg/L		SW846-8260
2-Hexanone	U	0.005	mg/L		SW846-8260
4-Methyl-2-pentanone	U	0.005	mg/L		SW846-8260
Acetone	U	0.005	mg/L		SW846-8260
Acrolein	U	0.005	mg/L		SW846-8260
Acrylonitrile	U	0.005	mg/L		SW846-8260
Benzene	U	0.005	mg/L		SW846-8260
Bromochloromethane	U	0.005	mg/L		SW846-8260
Bromodichloromethane	U	0.005	mg/L		SW846-8260
Bromoform	U	0.005	mg/L		SW846-8260
Bromomethane	U	0.005	mg/L		SW846-8260
Carbon disulfide	U	0.005	mg/L		SW846-8260
Carbon tetrachloride	U	0.005	mg/L		SW846-8260
Chlorobenzene	U	0.005	mg/L		SW846-8260
Chloroethane	U	0.005	mg/L		SW846-8260
Chloromethane	U	0.005	mg/L		SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		SW846-8260
Dibromochloromethane	U	0.005	mg/L		SW846-8260
Dibromomethane	U	0.005	mg/L		SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		SW846-8260
Ethanol	U	0.2	mg/L		SW846-8260
Ethyl methacrylate	U	0.005	mg/L		SW846-8260
Ethylbenzene	U	0.005	mg/L		SW846-8260
Iodomethane	U	0.005	mg/L		SW846-8260
Methylene chloride	U	0.005	mg/L		SW846-8260
Styrene	U	0.005	mg/L		SW846-8260
Tetrachloroethene	U	0.005	mg/L		SW846-8260
Toluene	U	0.005	mg/L		SW846-8260
Total Xylene	U	0.005	mg/L		SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		SW846-8260

**MW264**

**C746S-95**

**C-746S&T Landfill Monitoring C746S-95**

Trichloroethene	U	0.001	mg/L	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L	SW846-8260
Vinyl acetate	U	0.005	mg/L	SW846-8260
Vinyl chloride	U	0.002	mg/L	SW846-8260

**6766-95**

Collected: 7/11/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)		0.005	mg/L			SW846-9020
<b>Field P</b>						
pH		6.2	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		477	umho/cm			IN7125

**6767-95**

Collected: 7/11/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)	U	0.005	mg/L			SW846-9020
<b>Field P</b>						
pH		6.2	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		478	umho/cm			IN7125

**6768-95**

Collected: 7/11/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)	U	0.005	mg/L			SW846-9020
<b>Field P</b>						
pH		6.2	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		483	umho/cm			IN7125

**MW264**

**C746S-95**

**C-746S&T Landfill Monitoring C746S-95**

**7601-95**

Collected: 10/9/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		41.8	mg/L			IN7120
Nitrate as Nitrogen	U	1	mg/L			IN7120
Total Organic Carbon (TOC)		1	mg/L			W-150
Total Organic Halides (TOX)	U	0.005	mg/L			SW846-9020
<b>Field P</b>						
Depth to Water		38.83	ft			
Dissolved Oxygen		2.73	mg/L			
pH		6.3	Std Unit			
Temperature		61	deg F			
<b>METAL</b>						
Antimony	U	0.003	mg/L			DNT
Barium		0.13	mg/L			SW846-6010
Beryllium	U	0.002	mg/L			DNT
Cadmium	JU	0.01	mg/L			SW846-6010
Chromium	U	0.03	mg/L			SW846-6010
Cobalt	U	0.022	mg/L			SW846-6010
Copper	U	0.012	mg/L			SW846-6010
Iron		1.32	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Nickel	U	0.05	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	JU	0.03	mg/L			SW846-6010
Sodium	N	42.4	mg/L			SW846-6010
Thallium	U	0.002	mg/L			DNT
Uranium	U	0.001	mg/L			IN7105
Vanadium		0.113	mg/L			SW846-6010
Zinc	U	0.015	mg/L			SW846-6010
<b>METAL-D</b>						
Barium		0.118	mg/L			SW846-6010
Iron	U	0.355	mg/L			SW846-6010
Sodium	N	38.7	mg/L			SW846-6010
Vanadium		0.057	mg/L			SW846-6010
<b>PHYSC</b>						
Chemical Oxygen Demand (COD)	<	5	mg/L			W-40
Dissolved Solids		288	mg/L			IN7475
Specific Conductivity (PIP)		476	umho/cm			IN7125
Turbidity		14	NTU			IN7490
<b>RADS</b>						
Alpha activity	U	400	pCi/L			R-56
Alpha activity		1.6	pCi/L	0.8		R-4
Beta activity		16	pCi/L	2		R-4
Beta activity	U	1000	pCi/L			R-56
Technetium-99		12	pCi/L	10		RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.00005	mg/L			SW846-8260
1,4-Dichlorobenzene	U	0.00005	mg/L			SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.00005	mg/L			SW846-8260
1,1,1-Trichloroethane	U	0.00005	mg/L			SW846-8260

## MW264

## C746S-95

## C-746S&amp;T Landfill Monitoring C746S-95

1,1,2,2-Tetrachloroethane	U	0.00005	mg/L	SW846-8260
1,1,2-Trichloroethane	U	0.00005	mg/L	SW846-8260
1,1-Dichloroethane	U	0.00005	mg/L	SW846-8260
1,1-Dichloroethene	U	0.00005	mg/L	SW846-8260
1,2,3-Trichloropropane	U	0.00005	mg/L	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.00005	mg/L	SW846-8260
1,2-Dibromoethane	U	0.00005	mg/L	SW846-8260
1,2-Dichloroethane	U	0.00005	mg/L	SW846-8260
1,2-Dichloropropane	U	0.00005	mg/L	SW846-8260
2-Butanone	U	0.005	mg/L	SW846-8260
2-Chloroethyl vinyl ether	U	0.001	mg/L	SW846-8260
2-Hexanone	U	0.005	mg/L	SW846-8260
4-Methyl-2-pentanone	U	0.005	mg/L	SW846-8260
Acetone	U	0.005	mg/L	SW846-8260
Acrolein	U	0.001	mg/L	SW846-8260
Acrylonitrile	U	0.001	mg/L	SW846-8260
Benzene	U	0.00005	mg/L	SW846-8260
Bromochloromethane	U	0.00005	mg/L	SW846-8260
Bromodichloromethane	U	0.00005	mg/L	SW846-8260
Bromoform	U	0.00005	mg/L	SW846-8260
Bromomethane	U	0.00005	mg/L	SW846-8260
Carbon disulfide	U	0.001	mg/L	SW846-8260
Carbon tetrachloride	U	0.00005	mg/L	SW846-8260
Chlorobenzene	U	0.00005	mg/L	SW846-8260
Chloroethane	U	0.00005	mg/L	SW846-8260
Chloroform	B	6.1E-05	mg/L	SW846-8260
Chloromethane	B	0.00009	mg/L	SW846-8260
cis-1,2-Dichloroethene		0.00014	mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.00005	mg/L	SW846-8260
Dibromochloromethane	U	0.00005	mg/L	SW846-8260
Dibromomethane	U	0.00005	mg/L	SW846-8260
Dichlorodifluoromethane	U	0.00005	mg/L	SW846-8260
Ethanol	U	0.25	mg/L	SW846-8260
Ethyl methacrylate	U	0.001	mg/L	SW846-8260
Ethylbenzene	U	0.00005	mg/L	SW846-8260
Iodomethane	U	0.001	mg/L	SW846-8260
m,p-Xylene	U	0.0001	mg/L	SW846-8260
Methylene chloride	B	5.3E-05	mg/L	SW846-8260
Styrene	U	0.00005	mg/L	SW846-8260
Tetrachloroethene		7.7E-05	mg/L	SW846-8260
Tetrachloroethene		7.7E-05	mg/L	SW846-8260
Toluene	B	0.0006	mg/L	SW846-8260
Total Xylene	U	0.00005	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.00005	mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.00005	mg/L	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.001	mg/L	SW846-8260
Trichloroethene		0.0014	mg/L	SW846-8260
Trichlorofluoromethane		0.0003	mg/L	SW846-8260
Vinyl acetate	U	0.001	mg/L	SW846-8260
Vinyl chloride	U	0.00005	mg/L	SW846-8260

**MW264**

**C746S-95**

**C-746S&T Landfill Monitoring C746S-95**

**7602-95**

Collected: 10/9/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)	U	0.005	mg/L			SW846-9020
<b>Field P</b>						
pH		6.3	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		471	umho/cm			IN7125

**7603-95**

Collected: 10/9/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)	U	0.005	mg/L			SW846-9020
<b>Field P</b>						
pH		6.3	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		470	umho/cm			IN7125

**7604-95**

Collected: 10/9/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)	U	0.005	mg/L			SW846-9020
<b>Field P</b>						
pH		6.3	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		469	umho/cm			IN7125



**MW265**

**C746S-95**

**C-746S&T Landfill Monitoring C746S-95**

**5302-95**

Collected: 1/9/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		33	mg/L			SW846-9251
Nitrate as Nitrogen		1.1	mg/L			SA-N-1
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)		0.007	mg/L			SW846-9020
<b>Field P</b>						
Depth to Water		44.85	ft			
Dissolved Oxygen		3.63	mg/L			
pH		6	Std Unit			
Temperature		57	deg F			
<b>METAL</b>						
Aluminum	U	0.2	mg/L			SW846-6010
Antimony	U	0.006	mg/L			SW846-7041
Barium		0.216	mg/L			SW846-6010
Beryllium	U	0.002	mg/L			SW846-6010
Boron	U	0.03	mg/L			SW846-6010
Cadmium	U	0.0005	mg/L			SW846-7131
Calcium		21.2	mg/L			SW846-6010
Cerium	U	0.08	mg/L			SW846-6010
Chromium	U	0.03	mg/L			SW846-6010
Cobalt	U	0.01	mg/L			SW846-6010
Copper	U	0.03	mg/L			SW846-6010
Gallium	U	0.09	mg/L			SW846-6010
Iron	U	0.3	mg/L			SW846-6010
Lead	U	0.005	mg/L			SW846-7421
Lithium	U	0.08	mg/L			SW846-6010
Magnesium		8.4	mg/L			SW846-6010
Manganese		0.204	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Molybdenum	U	0.03	mg/L			SW846-6010
Nickel	U	0.04	mg/L			SW846-6010
Potassium	U	3	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	U	0.03	mg/L			SW846-6010
Sodium		37.6	mg/L			SW846-6010
Strontium		0.088	mg/L			SW846-6010
Thallium	U	0.002	mg/L			SW846-7841
Thorium	U	0.05	mg/L			SW846-6010
Titanium	U	0.06	mg/L			SW846-6010
Uranium	U	0.001	mg/L			SA-U-8
Vanadium	U	0.02	mg/L			SW846-6010
Zinc	U	0.05	mg/L			SW846-6010
Zirconium	U	0.02	mg/L			SW846-6010
<b>METAL-D</b>						
Aluminum	U	0.2	mg/L			SW846-6010
Antimony	U	0.006	mg/L			SW846-7041
Barium		0.214	mg/L			SW846-6010
Beryllium	U	0.002	mg/L			SW846-6010
Boron	U	0.03	mg/L			SW846-6010
Cadmium	U	0.0005	mg/L			SW846-7131

**MW265**

**C746S-95**

**C-746S&T Landfill Monitoring C746S-95**

Calcium		21.4	mg/L	SW846-6010
Cerium	U	0.08	mg/L	SW846-6010
Chromium	U	0.03	mg/L	SW846-6010
Cobalt	U	0.01	mg/L	SW846-6010
Copper	U	0.03	mg/L	SW846-6010
Gallium	U	0.09	mg/L	SW846-6010
Iron	U	0.3	mg/L	SW846-6010
Lead	U	0.005	mg/L	SW846-7421
Lithium	U	0.08	mg/L	SW846-6010
Magnesium		8.5	mg/L	SW846-6010
Manganese		0.19	mg/L	SW846-6010
Mercury	U	0.0002	mg/L	SW846-7470
Molybdenum	U	0.03	mg/L	SW846-6010
Nickel	U	0.04	mg/L	SW846-6010
Potassium	U	3	mg/L	SW846-6010
Selenium	U	0.005	mg/L	SW846-7740
Silver	U	0.03	mg/L	SW846-6010
Sodium		37.7	mg/L	SW846-6010
Strontium		0.088	mg/L	SW846-6010
Thallium	U	0.002	mg/L	SW846-7841
Thorium	U	0.05	mg/L	SW846-6010
Titanium	U	0.06	mg/L	SW846-6010
Vanadium	U	0.02	mg/L	SW846-6010
Zinc	U	0.05	mg/L	SW846-6010
Zirconium	U	0.02	mg/L	SW846-6010

**PHYSC**

Chemical Oxygen Demand (COD)	<	5	mg/L	W-40
Dissolved Solids		212	mg/L	W-140
Specific Conductivity (PIP)		356	umho/cm	SA-COND-1
Turbidity		4	NTU	W-170

**RADS**

Alpha activity		2.3	pCi/L	1.5	R-4
Alpha activity	U	1000	pCi/L		R
Beta activity	U	1000	pCi/L		R
Beta activity		92	pCi/L	4	R-4
Technetium-99		15	pCi/L	20	R-46

**SVOA**

1,2-Dichlorobenzene	U	0.005	mg/L	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L	SW846-8260

**VOA**

1,1,1,2-Tetrachloroethane	U	0.005	mg/L	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	SW846-8260
1,1,2-Trichloro-1,2,2-trifluoroethane	U	0.005	mg/L	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	SW846-8260
2-Butanone	JB	0.004	mg/L	SW846-8260
2-Chloroethyl vinyl ether	U	0.005	mg/L	SW846-8260
2-Hexanone	U	0.005	mg/L	SW846-8260
4-Methyl-2-pentanone	U	0.005	mg/L	SW846-8260

**MW265**

**C746S-95**

**C-746S&T Landfill Monitoring C746S-95**

Acetone	J	0.003	mg/L	SW846-8260
Acrolein	U	0.005	mg/L	SW846-8260
Acrylonitrile	U	0.005	mg/L	SW846-8260
Benzene	U	0.005	mg/L	SW846-8260
Bromochloromethane	U	0.005	mg/L	SW846-8260
Bromodichloromethane	U	0.005	mg/L	SW846-8260
Bromoform	U	0.005	mg/L	SW846-8260
Bromomethane	U	0.005	mg/L	SW846-8260
Carbon disulfide	U	0.005	mg/L	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	SW846-8260
Chlorobenzene	U	0.005	mg/L	SW846-8260
Chloroethane	U	0.005	mg/L	SW846-8260
Chloromethane	U	0.005	mg/L	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Dibromochloromethane	U	0.005	mg/L	SW846-8260
Dibromomethane	U	0.005	mg/L	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	SW846-8260
Ethanol	U	0.2	mg/L	SW846-8260
Ethyl methacrylate	U	0.005	mg/L	SW846-8260
Ethylbenzene	U	0.005	mg/L	SW846-8260
Iodomethane	U	0.005	mg/L	SW846-8260
Methylene chloride	U	0.005	mg/L	SW846-8260
Styrene	U	0.005	mg/L	SW846-8260
Tetrachloroethene	U	0.005	mg/L	SW846-8260
Toluene	U	0.005	mg/L	SW846-8260
Total Xylene	U	0.005	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L	SW846-8260
Trichloroethene		0.001	mg/L	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L	SW846-8260
Vinyl acetate	U	0.005	mg/L	SW846-8260
Vinyl chloride	U	0.002	mg/L	SW846-8260

**5303-95**

Collected: 1/9/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)		0.007	mg/L			SW846-9020
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		355	umho/cm			SA-COND-1

**MW265**

**C746S-95**

**C-746S&T Landfill Monitoring C746S-95**

**5304-95**

Collected: 1/9/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)		0.005	mg/L			SW846-9020
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		355	umho/cm			SA-COND-1

**5305-95**

Collected: 1/9/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)		0.01	mg/L			SW846-9020
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		356	umho/cm			SA-COND-1

**MW265**

**C746S-95**

**C-746S&T Landfill Monitoring C746S-95**

**5999-95**

Collected: 4/4/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		32	mg/L			SW846-9251
Nitrate as Nitrogen		0.9	mg/L			SA-N-1
Sulfate		12	mg/L			SW846-9038
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)		0.01	mg/L			SW846-9020
<b>Field P</b>						
Depth to Water		41.63	ft			
Dissolved Oxygen		4.6	mg/L			
pH		6	Std Unit			
Temperature		60	deg F			
<b>METAL</b>						
Aluminum		0.2	mg/L			SW846-6010
Antimony	U	0.006	mg/L			SW846-7041
Barium		0.219	mg/L			SW846-6010
Beryllium		0.002	mg/L			SW846-6010
Boron		0.03	mg/L			SW846-6010
Cadmium	U	0.0005	mg/L			SW846-7131
Calcium		21.8	mg/L			SW846-6010
Cerium		0.08	mg/L			SW846-6010
Chromium		0.03	mg/L			SW846-6010
Cobalt		0.01	mg/L			SW846-6010
Copper		0.03	mg/L			SW846-6010
Gallium		0.09	mg/L			SW846-6010
Iron		0.3	mg/L			SW846-6010
Lead	U	0.005	mg/L			SW846-7421
Lithium		0.08	mg/L			SW846-6010
Magnesium		8.7	mg/L			SW846-6010
Manganese		0.17	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Molybdenum		0.03	mg/L			SW846-6010
Nickel		0.04	mg/L			SW846-6010
Potassium		3	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver		0.03	mg/L			SW846-6010
Sodium		39.1	mg/L			SW846-6010
Strontium		0.09	mg/L			SW846-6010
Thallium	U	0.002	mg/L			SW846-7841
Thorium		0.05	mg/L			SW846-6010
Titanium		0.06	mg/L			SW846-6010
Uranium	U	0.001	mg/L			SA-U-8
Vanadium		0.02	mg/L			SW846-6010
Zinc		0.05	mg/L			SW846-6010
Zirconium		0.02	mg/L			SW846-6010
<b>METAL-D</b>						
Aluminum		0.2	mg/L			SW846-6010
Antimony	U	0.006	mg/L			SW846-7041
Barium		0.221	mg/L			SW846-6010
Beryllium		0.002	mg/L			SW846-6010
Boron		0.04	mg/L			SW846-6010

**MW265**

**C746S-95**

**C-746S&T Landfill Monitoring C746S-95**

Cadmium	U	0.0005	mg/L	SW846-7131
Calcium		21.8	mg/L	SW846-6010
Cerium		0.08	mg/L	SW846-6010
Chromium		0.03	mg/L	SW846-6010
Cobalt		0.01	mg/L	SW846-6010
Copper		0.03	mg/L	SW846-6010
Gallium		0.09	mg/L	SW846-6010
Iron		0.3	mg/L	SW846-6010
Lead	U	0.005	mg/L	SW846-7421
Lithium		0.08	mg/L	SW846-6010
Magnesium		8.7	mg/L	SW846-6010
Manganese		0.17	mg/L	SW846-6010
Mercury	U	0.0002	mg/L	SW846-7470
Molybdenum		0.03	mg/L	SW846-6010
Nickel		0.04	mg/L	SW846-6010
Potassium		3	mg/L	SW846-6010
Selenium	U	0.005	mg/L	SW846-7740
Silver		0.03	mg/L	SW846-6010
Sodium		39.5	mg/L	SW846-6010
Strontium		0.091	mg/L	SW846-6010
Thallium	U	0.002	mg/L	SW846-7841
Thorium		0.05	mg/L	SW846-6010
Titanium		0.06	mg/L	SW846-6010
Vanadium		0.02	mg/L	SW846-6010
Zinc		0.05	mg/L	SW846-6010
Zirconium		0.02	mg/L	SW846-6010

**PHYSC**

Chemical Oxygen Demand (COD)		6	mg/L	W-40
Dissolved Solids		202	mg/L	W-140
Specific Conductivity (PIP)		359	umho/cm	SA-COND-1
Turbidity		1.9	NTU	W-170

**RADS**

Alpha activity	U	1000	pCi/L		R
Alpha activity		0	pCi/L	-0.2	R-4
Beta activity		1	pCi/L	0	R-4
Beta activity	U	1000	pCi/L		R
Technetium-99		8	pCi/L	19	R-46

**SVOA**

1,2-Dichlorobenzene	U	0.005	mg/L	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L	SW846-8260

**VOA**

1,1,1,2-Tetrachloroethane	U	0.005	mg/L	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	SW846-8260
1,1,2-Trichloro-1,2,2-trifluoroethane	U	0.005	mg/L	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	SW846-8260
2-Butanone	U	0.005	mg/L	SW846-8260
2-Chloroethyl vinyl ether	U	0.005	mg/L	SW846-8260
2-Hexanone	U	0.005	mg/L	SW846-8260

**MW265**

**C746S-95**

**C-746S&T Landfill Monitoring C746S-95**

4-Methyl-2-pentanone	U	0.005	mg/L	SW846-8260
Acetone	U	0.005	mg/L	SW846-8260
Acrolein	U	0.005	mg/L	SW846-8260
Acrylonitrile	U	0.005	mg/L	SW846-8260
Benzene	U	0.005	mg/L	SW846-8260
Bromochloromethane	U	0.005	mg/L	SW846-8260
Bromodichloromethane	U	0.005	mg/L	SW846-8260
Bromoform	U	0.005	mg/L	SW846-8260
Bromomethane	U	0.005	mg/L	SW846-8260
Carbon disulfide	U	0.005	mg/L	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	SW846-8260
Chlorobenzene	U	0.005	mg/L	SW846-8260
Chloroethane	U	0.005	mg/L	SW846-8260
Chloromethane	U	0.005	mg/L	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Dibromochloromethane	U	0.005	mg/L	SW846-8260
Dibromomethane	U	0.005	mg/L	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	SW846-8260
Ethanol	U	0.2	mg/L	SW846-8260
Ethyl methacrylate	U	0.005	mg/L	SW846-8260
Ethylbenzene	U	0.005	mg/L	SW846-8260
Iodomethane	U	0.005	mg/L	SW846-8260
Methylene chloride	U	0.005	mg/L	SW846-8260
Styrene	U	0.005	mg/L	SW846-8260
Tetrachloroethene	U	0.005	mg/L	SW846-8260
Toluene	U	0.005	mg/L	SW846-8260
Total Xylene	U	0.005	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L	SW846-8260
Trichloroethene		0.001	mg/L	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L	SW846-8260
Vinyl acetate	U	0.005	mg/L	SW846-8260
Vinyl chloride	U	0.002	mg/L	SW846-8260

**6000-95**

Collected: 4/4/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)	U	0.005	mg/L			SW846-9020
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		359	umho/cm			SA-COND-1

**MW265**

**C746S-95**

**C-746S&T Landfill Monitoring C746S-95**

**6001-95**

Collected: 4/4/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)	U	0.005	mg/L			SW846-9020
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		358	umho/cm			SA-COND-1

**6002-95**

Collected: 4/4/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)	U	0.005	mg/L			SW846-9020
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		359	umho/cm			SA-COND-1

**6770-95**

Collected: 7/10/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)		0.007	mg/L			SW846-9020
<b>Field P</b>						
pH		6.3	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		363	umho/cm			IN7125

**6771-95**

Collected: 7/10/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)		0.006	mg/L			SW846-9020
<b>Field P</b>						
pH		6.3	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		362	umho/cm			IN7125



**MW265**

**C746S-95**

**C-746S&T Landfill Monitoring C746S-95**

**6772-95**

Collected: 7/10/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)		0.012	mg/L			SW846-9020
<b>Field P</b>						
pH		6.3	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		361	umho/cm			IN7125

## MW265

## C746S-95

## C-746S&amp;T Landfill Monitoring C746S-95

## 6769-95

Collected: 7/11/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		34	mg/L			SW846-9251
Nitrate as Nitrogen		1.5	mg/L			SA-N-1
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)		0.011	mg/L			SW846-9020
<b>Field P</b>						
Depth to Water		38.55	ft			
Dissolved Oxygen		3.53	mg/L			
pH		6.3	Std Unit			
Temperature		62	deg F			
<b>METAL</b>						
Aluminum		0.2	mg/L			SW846-6010
Antimony	U	0.006	mg/L			SW846-7041
Barium		0.218	mg/L			SW846-6010
Beryllium		0.002	mg/L			SW846-6010
Boron		0.03	mg/L			SW846-6010
Cadmium	BNU	0.005	mg/L			SW846-7131
Calcium		21.4	mg/L			SW846-6010
Cerium		0.08	mg/L			SW846-6010
Chromium	U	0.025	mg/L			SW846-6010
Cobalt		0.01	mg/L			SW846-6010
Copper	U	0.025	mg/L			SW846-6010
Gallium		0.09	mg/L			SW846-6010
Iron		0.3	mg/L			SW846-6010
Lead	U	0.005	mg/L			SW846-7421
Lithium		0.08	mg/L			SW846-6010
Magnesium		8.6	mg/L			SW846-6010
Manganese		0.151	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Molybdenum		0.03	mg/L			SW846-6010
Nickel		0.04	mg/L			SW846-6010
Potassium		3	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	U	0.025	mg/L			SW846-6010
Sodium		39.4	mg/L			SW846-6010
Strontium		0.089	mg/L			SW846-6010
Thallium	U	0.002	mg/L			SW846-7841
Thorium		0.05	mg/L			SW846-6010
Titanium		0.06	mg/L			SW846-6010
Uranium		0.001	mg/L			IN7105
Vanadium		0.02	mg/L			SW846-6010
Zinc		0.05	mg/L			SW846-6010
Zirconium		0.02	mg/L			SW846-6010
<b>METAL-D</b>						
Uranium	U	0.001	mg/L			IN7105
<b>PHYSC</b>						
Chemical Oxygen Demand (COD)		8	mg/L			W-40
Dissolved Solids		233	mg/L			IN7475
Specific Conductivity (PIP)		362	umho/cm			IN7125
Turbidity		2.6	NTU			IN7490

## MW265

## C746S-95

## C-746S&amp;T Landfill Monitoring C746S-95

RADS					
Alpha activity		0.3	pCi/L	0.2	R-4
Alpha activity	U	1000	pCi/L		R-56
Beta activity	U	1000	pCi/L		R-56
Beta activity		4	pCi/L	1	R-4
Technetium-99		5	pCi/L	10	R-46
SVOA					
1,2-Dichlorobenzene	U	0.005	mg/L		SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		SW846-8260
VOA					
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		SW846-8260
1,1,1-Trichloroethane		0.004	mg/L		SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		SW846-8260
1,1,2-Trichloro-1,2,2-trifluoroethane	U	0.005	mg/L		SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		SW846-8260
2-Butanone	U	0.005	mg/L		SW846-8260
2-Chloroethyl vinyl ether	U	0.005	mg/L		SW846-8260
2-Hexanone	U	0.005	mg/L		SW846-8260
4-Methyl-2-pentanone	U	0.005	mg/L		SW846-8260
Acetone	U	0.005	mg/L		SW846-8260
Acrolein	U	0.005	mg/L		SW846-8260
Acrylonitrile	U	0.005	mg/L		SW846-8260
Benzene	U	0.005	mg/L		SW846-8260
Bromochloromethane	U	0.005	mg/L		SW846-8260
Bromodichloromethane	U	0.005	mg/L		SW846-8260
Bromoform	U	0.005	mg/L		SW846-8260
Bromomethane	U	0.005	mg/L		SW846-8260
Carbon disulfide	U	0.005	mg/L		SW846-8260
Carbon tetrachloride	U	0.005	mg/L		SW846-8260
Chlorobenzene	U	0.005	mg/L		SW846-8260
Chloroethane	U	0.005	mg/L		SW846-8260
Chloromethane	U	0.005	mg/L		SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		SW846-8260
Dibromochloromethane	U	0.005	mg/L		SW846-8260
Dibromomethane	U	0.005	mg/L		SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		SW846-8260
Ethanol	U	0.2	mg/L		SW846-8260
Ethyl methacrylate	U	0.005	mg/L		SW846-8260
Ethylbenzene	U	0.005	mg/L		SW846-8260
Iodomethane	U	0.005	mg/L		SW846-8260
Methylene chloride	U	0.005	mg/L		SW846-8260
Styrene	U	0.005	mg/L		SW846-8260
Tetrachloroethene	U	0.005	mg/L		SW846-8260
Toluene	U	0.005	mg/L		SW846-8260
Total Xylene	U	0.005	mg/L		SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		SW846-8260

**MW265**

**C746S-95**

**C-746S&T Landfill Monitoring C746S-95**

Trichloroethene		0.001 mg/L	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	SW846-8260
Vinyl acetate	U	0.005 mg/L	SW846-8260
Vinyl chloride	U	0.002 mg/L	SW846-8260

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MW265

C746S-95

C-746S&T Landfill Monitoring C746S-95

7605-95

Collected: 10/9/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		33	mg/L			IN7120
Nitrate as Nitrogen		3.6	mg/L			IN7120
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)		0.015	mg/L			SW846-9020
<b>Field P</b>						
Depth to Water		42.02	ft			
Dissolved Oxygen		5.11	mg/L			
pH		6.2	Std Unit			
Temperature		58	deg F			
<b>METAL</b>						
Antimony	U	0.003	mg/L			DNT
Barium		0.209	mg/L			SW846-6010
Beryllium	U	0.002	mg/L			DNT
Cadmium	JU	0.01	mg/L			SW846-6010
Chromium	U	0.03	mg/L			SW846-6010
Cobalt	U	0.022	mg/L			SW846-6010
Copper	U	0.012	mg/L			SW846-6010
Iron		0.468	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Nickel		0.068	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	JU	0.03	mg/L			SW846-6010
Sodium	N	37.3	mg/L			SW846-6010
Thallium	U	0.002	mg/L			DNT
Uranium	U	0.001	mg/L			IN7105
Vanadium		0.077	mg/L			SW846-6010
Zinc	U	0.015	mg/L			SW846-6010
<b>METAL-D</b>						
Barium		0.195	mg/L			SW846-6010
Iron	U	0.355	mg/L			SW846-6010
Nickel	U	0.1	mg/L			SW846-6010
Sodium	N	34.2	mg/L			SW846-6010
Vanadium		0.042	mg/L			SW846-6010
<b>PHYSC</b>						
Chemical Oxygen Demand (COD)	<	5	mg/L			W-40
Dissolved Solids		208	mg/L			IN7475
Specific Conductivity (PIP)		362	umho/cm			IN7125
Turbidity		8.5	NTU			IN7490
<b>RADS</b>						
Alpha activity		-0.1	pCi/L	0		R-4
Alpha activity	U	400	pCi/L			R-56
Beta activity		1	pCi/L	0		R-4
Beta activity	U	1000	pCi/L			R-56
Technetium-99		7	pCi/L	10		RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.00005	mg/L			SW846-8260
1,4-Dichlorobenzene	U	0.00005	mg/L			SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.00005	mg/L			SW846-8260

## MW265

## C746S-95

## C-746S&amp;T Landfill Monitoring C746S-95

1,1,1-Trichloroethane	U	0.00005	mg/L	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.00005	mg/L	SW846-8260
1,1,2-Trichloroethane	U	0.00005	mg/L	SW846-8260
1,1-Dichloroethane	U	0.00005	mg/L	SW846-8260
1,1-Dichloroethene	U	0.00005	mg/L	SW846-8260
1,2,3-Trichloropropane	U	0.00005	mg/L	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.00005	mg/L	SW846-8260
1,2-Dibromoethane	U	0.00005	mg/L	SW846-8260
1,2-Dichloroethane	U	0.00005	mg/L	SW846-8260
1,2-Dichloropropane	U	0.00005	mg/L	SW846-8260
2-Butanone	U	0.005	mg/L	SW846-8260
2-Chloroethyl vinyl ether	U	0.001	mg/L	SW846-8260
2-Hexanone	U	0.005	mg/L	SW846-8260
4-Methyl-2-pentanone	U	0.005	mg/L	SW846-8260
Acetone	B	0.006	mg/L	SW846-8260
Acrolein	U	0.001	mg/L	SW846-8260
Acrylonitrile	U	0.001	mg/L	SW846-8260
Benzene	U	0.00005	mg/L	SW846-8260
Bromochloromethane	U	0.00005	mg/L	SW846-8260
Bromodichloromethane	U	0.00005	mg/L	SW846-8260
Bromoform	U	0.00005	mg/L	SW846-8260
Bromomethane	U	0.00005	mg/L	SW846-8260
Carbon disulfide	U	0.001	mg/L	SW846-8260
Carbon tetrachloride	U	0.00005	mg/L	SW846-8260
Chlorobenzene	U	0.00005	mg/L	SW846-8260
Chloroethane	U	0.00005	mg/L	SW846-8260
Chloroform	J	4.9E-05	mg/L	SW846-8260
Chloromethane	B	7.2E-05	mg/L	SW846-8260
cis-1,2-Dichloroethene		0.00025	mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.00005	mg/L	SW846-8260
Dibromochloromethane	U	0.00005	mg/L	SW846-8260
Dibromomethane	U	0.00005	mg/L	SW846-8260
Dichlorodifluoromethane	U	0.00005	mg/L	SW846-8260
Ethanol	U	0.25	mg/L	SW846-8260
Ethyl methacrylate	U	0.001	mg/L	SW846-8260
Ethylbenzene	U	0.00005	mg/L	SW846-8260
Iodomethane	U	0.001	mg/L	SW846-8260
m,p-Xylene	U	0.0001	mg/L	SW846-8260
Methylene chloride	B	6.1E-05	mg/L	SW846-8260
Styrene	U	0.00005	mg/L	SW846-8260
Tetrachloroethene	U	0.00005	mg/L	SW846-8260
Tetrachloroethene	U	0.00005	mg/L	SW846-8260
Toluene	B	0.00019	mg/L	SW846-8260
Total Xylene	U	0.00005	mg/L	SW846-8260
trans-1,2-Dichloroethene		5.4E-05	mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.00005	mg/L	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.001	mg/L	SW846-8260
Trichloroethene		0.0016	mg/L	SW846-8260
Trichlorofluoromethane		0.00049	mg/L	SW846-8260
Vinyl acetate	U	0.001	mg/L	SW846-8260
Vinyl chloride	U	0.00005	mg/L	SW846-8260

**MW265**

**C746S-95**

**C-746S&T Landfill Monitoring C746S-95**

**7606-95**

Collected: 10/9/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)		0.011	mg/L			SW846-9020
<b>Field P</b>						
pH		6.2	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		362	umho/cm			IN7125

**7607-95**

Collected: 10/9/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)		0.013	mg/L			SW846-9020
<b>Field P</b>						
pH		6.2	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		362	umho/cm			IN7125

**7608-95**

Collected: 10/9/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)		0.005	mg/L			SW846-9020
<b>Field P</b>						
pH		6.2	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		362	umho/cm			IN7125

**MW266**

**C746S-95**

**C-746S&T Landfill Monitoring C746S-95**

**5306-95**

Collected: 1/10/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		33	mg/L			SW846-9251
Nitrate as Nitrogen		1.1	mg/L			SA-N-1
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)		0.009	mg/L			SW846-9020
<b>Field P</b>						
Depth to Water		40.92	ft			
Dissolved Oxygen		2.97	mg/L			
pH		6	Std Unit			
Temperature		59	deg F			
<b>METAL</b>						
Aluminum	U	0.2	mg/L			SW846-6010
Antimony	U	0.006	mg/L			SW846-7041
Barium		0.037	mg/L			SW846-6010
Beryllium	U	0.002	mg/L			SW846-6010
Boron		0.93	mg/L			SW846-6010
Cadmium	U	0.0005	mg/L			SW846-7131
Calcium		57.9	mg/L			SW846-6010
Cerium	U	0.08	mg/L			SW846-6010
Chromium	U	0.03	mg/L			SW846-6010
Cobalt	U	0.01	mg/L			SW846-6010
Copper	U	0.03	mg/L			SW846-6010
Gallium	U	0.09	mg/L			SW846-6010
Iron		0.6	mg/L			SW846-6010
Lead	U	0.005	mg/L			SW846-7421
Lithium	U	0.08	mg/L			SW846-6010
Magnesium		25.1	mg/L			SW846-6010
Manganese		0.046	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Molybdenum	U	0.03	mg/L			SW846-6010
Nickel	U	0.04	mg/L			SW846-6010
Potassium		4	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	U	0.03	mg/L			SW846-6010
Sodium		37.7	mg/L			SW846-6010
Strontium		0.161	mg/L			SW846-6010
Thallium	U	0.002	mg/L			SW846-7841
Thorium	U	0.05	mg/L			SW846-6010
Titanium	U	0.06	mg/L			SW846-6010
Uranium	U	0.001	mg/L			SA-U-8
Vanadium	U	0.02	mg/L			SW846-6010
Zinc	U	0.05	mg/L			SW846-6010
Zirconium	U	0.02	mg/L			SW846-6010
<b>METAL-D</b>						
Aluminum	U	0.2	mg/L			SW846-6010
Antimony	U	0.006	mg/L			SW846-7041
Barium		0.036	mg/L			SW846-6010
Beryllium	U	0.002	mg/L			SW846-6010
Boron		0.93	mg/L			SW846-6010
Cadmium	U	0.0005	mg/L			SW846-7131



**MW266**

**C746S-95**

**C-746S&T Landfill Monitoring C746S-95**

Calcium		58.1	mg/L		SW846-6010
Cerium	U	0.08	mg/L		SW846-6010
Chromium	U	0.03	mg/L		SW846-6010
Cobalt	U	0.01	mg/L		SW846-6010
Copper	U	0.03	mg/L		SW846-6010
Gallium	U	0.09	mg/L		SW846-6010
Iron	U	0.3	mg/L		SW846-6010
Lead	U	0.005	mg/L		SW846-7421
Lithium	U	0.08	mg/L		SW846-6010
Magnesium		25.1	mg/L		SW846-6010
Manganese		0.043	mg/L		SW846-6010
Mercury	U	0.0002	mg/L		SW846-7470
Molybdenum	U	0.03	mg/L		SW846-6010
Nickel	U	0.04	mg/L		SW846-6010
Potassium		3	mg/L		SW846-6010
Selenium	U	0.005	mg/L		SW846-7740
Silver	U	0.03	mg/L		SW846-6010
Sodium		38	mg/L		SW846-6010
Strontium		0.162	mg/L		SW846-6010
Thallium	U	0.002	mg/L		SW846-7841
Thorium	U	0.05	mg/L		SW846-6010
Titanium	U	0.06	mg/L		SW846-6010
Vanadium	U	0.02	mg/L		SW846-6010
Zinc	U	0.05	mg/L		SW846-6010
Zirconium	U	0.02	mg/L		SW846-6010
<b>PHYSC</b>					
Chemical Oxygen Demand (COD)	<	5	mg/L		W-40
Dissolved Solids		425	mg/L		W-140
Specific Conductivity (PIP)		653	umho/cm		SA-COND-1
Turbidity		6.7	NTU		W-170
<b>RADS</b>					
Alpha activity	U	1000	pCi/L		R
Alpha activity		1.1	pCi/L	0.9	R-4
Beta activity		17	pCi/L	7	R-4
Beta activity	U	1000	pCi/L		R
Technetium-99		9	pCi/L	7	R-46
<b>SVOA</b>					
1,2-Dichlorobenzene	U	0.005	mg/L		SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		SW846-8260
<b>VOA</b>					
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		SW846-8260
1,1,2-Trichloro-1,2,2-trifluoroethane	U	0.005	mg/L		SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		SW846-8260
2-Butanone	JB	0.002	mg/L		SW846-8260
2-Chloroethyl vinyl ether	U	0.005	mg/L		SW846-8260
2-Hexanone	U	0.005	mg/L		SW846-8260
4-Methyl-2-pentanone	U	0.005	mg/L		SW846-8260

**MW266**

**C746S-95**

**C-746S&T Landfill Monitoring C746S-95**

Acetone	J	0.002	mg/L	SW846-8260
Acrolein	U	0.005	mg/L	SW846-8260
Acrylonitrile	U	0.005	mg/L	SW846-8260
Benzene	U	0.005	mg/L	SW846-8260
Bromochloromethane	U	0.005	mg/L	SW846-8260
Bromodichloromethane	U	0.005	mg/L	SW846-8260
Bromoform	U	0.005	mg/L	SW846-8260
Bromomethane	U	0.005	mg/L	SW846-8260
Carbon disulfide	U	0.005	mg/L	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	SW846-8260
Chlorobenzene	U	0.005	mg/L	SW846-8260
Chloroethane	U	0.005	mg/L	SW846-8260
Chloromethane	U	0.005	mg/L	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Dibromochloromethane	U	0.005	mg/L	SW846-8260
Dibromomethane	U	0.005	mg/L	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	SW846-8260
Ethanol	U	0.2	mg/L	SW846-8260
Ethyl methacrylate	U	0.005	mg/L	SW846-8260
Ethylbenzene	U	0.005	mg/L	SW846-8260
Iodomethane	U	0.005	mg/L	SW846-8260
Methylene chloride	U	0.005	mg/L	SW846-8260
Styrene	U	0.005	mg/L	SW846-8260
Tetrachloroethene	U	0.005	mg/L	SW846-8260
Toluene	U	0.005	mg/L	SW846-8260
Total Xylene	U	0.005	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L	SW846-8260
Trichloroethene		0.001	mg/L	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L	SW846-8260
Vinyl acetate	U	0.005	mg/L	SW846-8260
Vinyl chloride	U	0.002	mg/L	SW846-8260

**5307-95**

Collected: 1/10/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)		0.006	mg/L			SW846-9020
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		652	umho/cm			SA-COND-1

**MW266**

**C746S-95**

**C-746S&T Landfill Monitoring C746S-95**

**5308-95**

Collected: 1/10/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)		0.005	mg/L			SW846-9020
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		653	umho/cm			SA-COND-1

**5309-95**

Collected: 1/10/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)		0.006	mg/L			SW846-9020
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		652	umho/cm			SA-COND-1

MW266

C746S-95

C-746S&T Landfill Monitoring C746S-95

6003-95

Collected: 4/4/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		32	mg/L			SW846-9251
Nitrate as Nitrogen		0.9	mg/L			SA-N-1
Sulfate		160	mg/L			SW846-9038
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)	U	0.005	mg/L			SW846-9020
<b>Field P</b>						
Depth to Water		37.86	ft			
Dissolved Oxygen		2.99	mg/L			
pH		5.7	Std Unit			
Temperature		60	deg F			
<b>METAL</b>						
Aluminum		0.2	mg/L			SW846-6010
Antimony	U	0.006	mg/L			SW846-7041
Barium		0.036	mg/L			SW846-6010
Beryllium		0.002	mg/L			SW846-6010
Boron		1.05	mg/L			SW846-6010
Cadmium	U	0.0005	mg/L			SW846-7131
Calcium		59.4	mg/L			SW846-6010
Cerium		0.08	mg/L			SW846-6010
Chromium		0.03	mg/L			SW846-6010
Cobalt		0.01	mg/L			SW846-6010
Copper		0.03	mg/L			SW846-6010
Gallium		0.09	mg/L			SW846-6010
Iron		0.5	mg/L			SW846-6010
Lead	U	0.005	mg/L			SW846-7421
Lithium		0.08	mg/L			SW846-6010
Magnesium		25.7	mg/L			SW846-6010
Manganese		0.03	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Molybdenum		0.03	mg/L			SW846-6010
Nickel		0.04	mg/L			SW846-6010
Potassium		4	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver		0.03	mg/L			SW846-6010
Sodium		40	mg/L			SW846-6010
Strontium		0.168	mg/L			SW846-6010
Thallium	U	0.002	mg/L			SW846-7841
Thorium		0.05	mg/L			SW846-6010
Titanium		0.06	mg/L			SW846-6010
Uranium	U	0.001	mg/L			SA-U-8
Vanadium		0.02	mg/L			SW846-6010
Zinc		0.05	mg/L			SW846-6010
Zirconium		0.02	mg/L			SW846-6010
<b>METAL-D</b>						
Aluminum		0.2	mg/L			SW846-6010
Antimony		0.008	mg/L			SW846-7041
Barium		0.034	mg/L			SW846-6010
Beryllium		0.002	mg/L			SW846-6010
Boron		0.94	mg/L			SW846-6010

**MW266**

**C746S-95**

**C-746S&T Landfill Monitoring C746S-95**

Cadmium	U	0.0005	mg/L		SW846-7131
Calcium		59.4	mg/L		SW846-6010
Cerium		0.08	mg/L		SW846-6010
Chromium		0.03	mg/L		SW846-6010
Cobalt		0.01	mg/L		SW846-6010
Copper		0.03	mg/L		SW846-6010
Gallium		0.09	mg/L		SW846-6010
Iron		0.3	mg/L		SW846-6010
Lead	U	0.005	mg/L		SW846-7421
Lithium		0.08	mg/L		SW846-6010
Magnesium		25.7	mg/L		SW846-6010
Manganese		0.025	mg/L		SW846-6010
Mercury	U	0.0002	mg/L		SW846-7470
Molybdenum		0.03	mg/L		SW846-6010
Nickel		0.04	mg/L		SW846-6010
Potassium		4	mg/L		SW846-6010
Selenium	U	0.005	mg/L		SW846-7740
Silver		0.03	mg/L		SW846-6010
Sodium		39.6	mg/L		SW846-6010
Strontium		0.167	mg/L		SW846-6010
Thallium	U	0.002	mg/L		SW846-7841
Thorium		0.05	mg/L		SW846-6010
Titanium		0.06	mg/L		SW846-6010
Vanadium		0.02	mg/L		SW846-6010
Zinc		0.05	mg/L		SW846-6010
Zirconium		0.02	mg/L		SW846-6010

**PHYSC**

Chemical Oxygen Demand (COD)		7	mg/L		W-40
Dissolved Solids		432	mg/L		W-140
Specific Conductivity (PIP)		663	umho/cm		SA-COND-1
Turbidity		6.3	NTU		W-170

**RADS**

Alpha activity	U	1000	pCi/L		R
Alpha activity		-3	pCi/L	-2.4	R-4
Beta activity		11	pCi/L	2	R-4
Beta activity	U	1000	pCi/L		R
Technetium-99		4	pCi/L	26	R-46

**SVOA**

1,2-Dichlorobenzene	U	0.005	mg/L		SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		SW846-8260

**VOA**

1,1,1,2-Tetrachloroethane	U	0.005	mg/L		SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		SW846-8260
1,1,2-Trichloro-1,2,2-trifluoroethane	U	0.005	mg/L		SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		SW846-8260
2-Butanone	BJ	0.005	mg/L		SW846-8260
2-Chloroethyl vinyl ether	U	0.005	mg/L		SW846-8260
2-Hexanone	U	0.005	mg/L		SW846-8260

**MW266**

**C746S-95**

**C-746S&T Landfill Monitoring C746S-95**

4-Methyl-2-pentanone	U	0.005	mg/L	SW846-8260
Acetone	U	0.005	mg/L	SW846-8260
Acrolein	U	0.005	mg/L	SW846-8260
Acrylonitrile	U	0.005	mg/L	SW846-8260
Benzene	U	0.005	mg/L	SW846-8260
Bromochloromethane	U	0.005	mg/L	SW846-8260
Bromodichloromethane	U	0.005	mg/L	SW846-8260
Bromoform	U	0.005	mg/L	SW846-8260
Bromomethane	U	0.005	mg/L	SW846-8260
Carbon disulfide	U	0.005	mg/L	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	SW846-8260
Chlorobenzene	U	0.005	mg/L	SW846-8260
Chloroethane	U	0.005	mg/L	SW846-8260
Chloromethane	U	0.005	mg/L	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Dibromochloromethane	U	0.005	mg/L	SW846-8260
Dibromomethane	U	0.005	mg/L	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	SW846-8260
Ethanol	U	0.2	mg/L	SW846-8260
Ethyl methacrylate	U	0.005	mg/L	SW846-8260
Ethylbenzene	U	0.005	mg/L	SW846-8260
Iodomethane	U	0.005	mg/L	SW846-8260
Methylene chloride	U	0.005	mg/L	SW846-8260
Styrene	U	0.005	mg/L	SW846-8260
Tetrachloroethene	U	0.005	mg/L	SW846-8260
Toluene	U	0.005	mg/L	SW846-8260
Total Xylene	U	0.005	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L	SW846-8260
Trichloroethene		0.001	mg/L	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L	SW846-8260
Vinyl acetate	U	0.005	mg/L	SW846-8260
Vinyl chloride	U	0.002	mg/L	SW846-8260

**6004-95**

Collected: 4/4/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)	U	0.005	mg/L			SW846-9020
<b>Field P</b>						
pH		5.7	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		663	umho/cm			SA-COND-1

**MW266**

**C746S-95**

**C-746S&T Landfill Monitoring C746S-95**

**6005-95**

Collected: 4/4/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)	U	0.005	mg/L			SW846-9020
<b>Field P</b>						
pH		5.7	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		661	umho/cm			SA-COND-1

**6006-95**

Collected: 4/4/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)		0.007	mg/L			SW846-9020
<b>Field P</b>						
pH		5.7	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		661	umho/cm			SA-COND-1

**MW266**

**C746S-95**

**C-746S&T Landfill Monitoring C746S-95**

**6773-95**

Collected: 7/11/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		34	mg/L			SW846-9251
Nitrate as Nitrogen		1.1	mg/L			SA-N-1
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)	U	0.005	mg/L			SW846-9020
<b>Field P</b>						
Depth to Water		35.06	ft			
Dissolved Oxygen		2.72	mg/L			
pH		5.9	Std Unit			
Temperature		61	deg F			
<b>METAL</b>						
Aluminum		0.2	mg/L			SW846-6010
Antimony	U	0.006	mg/L			SW846-7041
Barium		0.032	mg/L			SW846-6010
Beryllium		0.002	mg/L			SW846-6010
Boron		0.9	mg/L			SW846-6010
Cadmium	BNU	0.005	mg/L			SW846-7131
Calcium		58.2	mg/L			SW846-6010
Cerium		0.08	mg/L			SW846-6010
Chromium	U	0.025	mg/L			SW846-6010
Cobalt		0.01	mg/L			SW846-6010
Copper	U	0.025	mg/L			SW846-6010
Gallium		0.09	mg/L			SW846-6010
Iron		0.6	mg/L			SW846-6010
Lead	U	0.005	mg/L			SW846-7421
Lithium		0.08	mg/L			SW846-6010
Magnesium		25.2	mg/L			SW846-6010
Manganese		0.032	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Molybdenum		0.03	mg/L			SW846-6010
Nickel		0.04	mg/L			SW846-6010
Potassium		4	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	U	0.025	mg/L			SW846-6010
Sodium	N	38.7	mg/L			SW846-6010
Strontium		0.165	mg/L			SW846-6010
Thallium	U	0.002	mg/L			SW846-7841
Thorium		0.05	mg/L			SW846-6010
Titanium		0.06	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Vanadium		0.02	mg/L			SW846-6010
Zinc		0.46	mg/L			SW846-6010
Zirconium		0.02	mg/L			SW846-6010
<b>PHYSC</b>						
Chemical Oxygen Demand (COD)		5	mg/L			W-40
Dissolved Solids		430	mg/L			IN7475
Specific Conductivity (PIP)		675	umho/cm			EPA-120.1
Turbidity		5	NTU			IN7490
<b>RADS</b>						
Alpha activity		1.8	pCi/L	0.7		R-4



## MW266

## C746S-95

Alpha activity	U
Beta activity	U
Beta activity	
Technetium-99	

## C-746S&amp;T Landfill Monitoring C746S-95

1000	pCi/L		R-56
1000	pCi/L		R-56
20	pCi/L	2	R-4
19	pCi/L	11	R-46

## SVOA

1,2-Dichlorobenzene	U	0.005	mg/L	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L	SW846-8260

## VOA

1,1,1,2-Tetrachloroethane	U	0.005	mg/L	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	SW846-8260
1,1,2-Trichloro-1,2,2-trifluoroethane	U	0.005	mg/L	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	SW846-8260
2-Butanone	U	0.005	mg/L	SW846-8260
2-Chloroethyl vinyl ether	U	0.005	mg/L	SW846-8260
2-Hexanone	U	0.005	mg/L	SW846-8260
4-Methyl-2-pentanone	U	0.005	mg/L	SW846-8260
Acetone	U	0.005	mg/L	SW846-8260
Acrolein	U	0.005	mg/L	SW846-8260
Acrylonitrile	U	0.005	mg/L	SW846-8260
Benzene	U	0.005	mg/L	SW846-8260
Bromochloromethane	U	0.005	mg/L	SW846-8260
Bromodichloromethane	U	0.005	mg/L	SW846-8260
Bromoform	U	0.005	mg/L	SW846-8260
Bromomethane	U	0.005	mg/L	SW846-8260
Carbon disulfide	U	0.005	mg/L	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	SW846-8260
Chlorobenzene	U	0.005	mg/L	SW846-8260
Chloroethane	U	0.005	mg/L	SW846-8260
Chloromethane	U	0.005	mg/L	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Dibromochloromethane	U	0.005	mg/L	SW846-8260
Dibromomethane	U	0.005	mg/L	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	SW846-8260
Ethanol	U	0.2	mg/L	SW846-8260
Ethyl methacrylate	U	0.005	mg/L	SW846-8260
Ethylbenzene	U	0.005	mg/L	SW846-8260
Iodomethane	U	0.005	mg/L	SW846-8260
Methylene chloride	U	0.005	mg/L	SW846-8260
Styrene	U	0.005	mg/L	SW846-8260
Tetrachloroethene	U	0.005	mg/L	SW846-8260
Toluene	U	0.005	mg/L	SW846-8260
Total Xylene	U	0.005	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L	SW846-8260
Trichloroethene		0.002	mg/L	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L	SW846-8260

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**MW266**

**C746S-95**

**C-746S&T Landfill Monitoring C746S-95**

Vinyl acetate	U	0.005	mg/L	SW846-8260
Vinyl chloride	U	0.002	mg/L	SW846-8260

**6774-95**

Collected: 7/11/1995      Media Type: WG      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)	U	0.005	mg/L			SW846-9020
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		677	umho/cm			IN7125

**6775-95**

Collected: 7/11/1995      Media Type: WG      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)	U	0.005	mg/L			SW846-9020
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		676	umho/cm			IN7125

**6776-95**

Collected: 7/11/1995      Media Type: WG      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)	U	0.005	mg/L			SW846-9020
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		676	umho/cm			IN7125

MW266

C746S-95

C-746S&T Landfill Monitoring C746S-95

7609-95

Collected: 10/9/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		34.4	mg/L			IN7120
Nitrate as Nitrogen	U	1	mg/L			IN7120
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)		0.011	mg/L			SW846-9020
<b>Field P</b>						
Depth to Water		38.56	ft			
Dissolved Oxygen		4.4	mg/L			
pH		6	Std Unit			
Temperature		60	deg F			
<b>METAL</b>						
Antimony	U	0.003	mg/L			DNT
Barium	U	0.035	mg/L			SW846-6010
Beryllium	U	0.002	mg/L			DNT
Cadmium	JU	0.01	mg/L			SW846-6010
Chromium		0.072	mg/L			SW846-6010
Cobalt	U	0.022	mg/L			SW846-6010
Copper	U	0.012	mg/L			SW846-6010
Iron		0.286	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Nickel		0.09	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	JU	0.03	mg/L			SW846-6010
Sodium	N	35.8	mg/L			SW846-6010
Thallium	U	0.002	mg/L			DNT
Uranium	U	0.001	mg/L			IN7105
Vanadium		0.219	mg/L			SW846-6010
Zinc	U	0.015	mg/L			SW846-6010
<b>METAL-D</b>						
Chromium	U	0.03	mg/L			SW846-6010
Iron	U	0.355	mg/L			SW846-6010
Nickel	U	0.1	mg/L			SW846-6010
Sodium	N	33.1	mg/L			SW846-6010
Vanadium		0.111	mg/L			SW846-6010
<b>PHYSIC</b>						
Chemical Oxygen Demand (COD)	<	5	mg/L			W-40
Dissolved Solids		445	mg/L			IN7475
Specific Conductivity (PIP)		636	umho/cm			IN7125
Turbidity		3	NTU			IN7490
<b>RADS</b>						
Alpha activity	U	400	pCi/L			R-56
Alpha activity		0.6	pCi/L	0.3		R-4
Beta activity	U	1000	pCi/L			R-56
Beta activity		12	pCi/L	2		R-4
Technetium-99		11	pCi/L	10		RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.00005	mg/L			SW846-8260
1,4-Dichlorobenzene	U	0.00005	mg/L			SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.00005	mg/L			SW846-8260

## MW266

## C746S-95

## C-746S&amp;T Landfill Monitoring C746S-95

1,1,1-Trichloroethane	U	0.00005	mg/L	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.00005	mg/L	SW846-8260
1,1,2-Trichloroethane	U	0.00005	mg/L	SW846-8260
1,1-Dichloroethane	U	0.00005	mg/L	SW846-8260
1,1-Dichloroethene	U	0.00005	mg/L	SW846-8260
1,2,3-Trichloropropane	U	0.00005	mg/L	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.00005	mg/L	SW846-8260
1,2-Dibromoethane	U	0.00005	mg/L	SW846-8260
1,2-Dichloroethane	U	0.00005	mg/L	SW846-8260
1,2-Dichloropropane	U	0.00005	mg/L	SW846-8260
2-Butanone	U	0.005	mg/L	SW846-8260
2-Chloroethyl vinyl ether	U	0.001	mg/L	SW846-8260
2-Hexanone	U	0.005	mg/L	SW846-8260
4-Methyl-2-pentanone	U	0.005	mg/L	SW846-8260
Acetone	U	0.005	mg/L	SW846-8260
Acrolein	U	0.001	mg/L	SW846-8260
Acrylonitrile	U	0.001	mg/L	SW846-8260
Benzene	U	0.00005	mg/L	SW846-8260
Bromochloromethane	U	0.00005	mg/L	SW846-8260
Bromodichloromethane	U	0.00005	mg/L	SW846-8260
Bromoform	U	0.00005	mg/L	SW846-8260
Bromomethane	U	0.00005	mg/L	SW846-8260
Carbon disulfide	U	0.001	mg/L	SW846-8260
Carbon tetrachloride	U	0.00005	mg/L	SW846-8260
Chlorobenzene	U	0.00005	mg/L	SW846-8260
Chloroethane	U	0.00005	mg/L	SW846-8260
Chloroform	JB	4.9E-05	mg/L	SW846-8260
Chloromethane	B	6.2E-05	mg/L	SW846-8260
cis-1,2-Dichloroethene		0.00011	mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.00005	mg/L	SW846-8260
Dibromochloromethane	U	0.00005	mg/L	SW846-8260
Dibromomethane	U	0.00005	mg/L	SW846-8260
Dichlorodifluoromethane	U	0.00005	mg/L	SW846-8260
Ethanol	U	0.25	mg/L	SW846-8260
Ethyl methacrylate	U	0.001	mg/L	SW846-8260
Ethylbenzene	U	0.00005	mg/L	SW846-8260
Iodomethane	U	0.001	mg/L	SW846-8260
m,p-Xylene	U	0.0001	mg/L	SW846-8260
Methylene chloride	B	0.00005	mg/L	SW846-8260
Styrene	U	0.00005	mg/L	SW846-8260
Tetrachloroethene		6.9E-05	mg/L	SW846-8260
Tetrachloroethene		6.9E-05	mg/L	SW846-8260
Toluene	B	7.8E-05	mg/L	SW846-8260
Total Xylene	U	0.00005	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.00005	mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.00005	mg/L	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.001	mg/L	SW846-8260
Trichloroethene		0.0017	mg/L	SW846-8260
Trichlorofluoromethane		0.00006	mg/L	SW846-8260
Vinyl acetate	U	0.001	mg/L	SW846-8260
Vinyl chloride	U	0.00005	mg/L	SW846-8260

**MW266**

**C746S-95**

**C-746S&T Landfill Monitoring C746S-95**

**7610-95**

Collected: 10/9/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)		0.01	mg/L			SW846-9020
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		636	umho/cm			IN7125

**7611-95**

Collected: 10/9/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)	U	0.005	mg/L			SW846-9020
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		634	umho/cm			IN7125

**7612-95**

Collected: 10/9/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)	U	0.005	mg/L			SW846-9020
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		633	umho/cm			IN7125

MW267

C746S-95

C-746S&T Landfill Monitoring C746S-95

5310-95

Collected: 1/10/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		48	mg/L			SW846-9251
Nitrate as Nitrogen		3.2	mg/L			SA-N-1
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)		0.008	mg/L			SW846-9020
<b>Field P</b>						
Depth to Water		56.09	ft			
Dissolved Oxygen		6.58	mg/L			
pH		6.3	Std Unit			
Temperature		59	deg F			
<b>METAL</b>						
Aluminum	U	0.2	mg/L			SW846-6010
Antimony	U	0.006	mg/L			SW846-7041
Barium		0.211	mg/L			SW846-6010
Beryllium	U	0.002	mg/L			SW846-6010
Boron	U	0.03	mg/L			SW846-6010
Cadmium	U	0.0005	mg/L			SW846-7131
Calcium		20.5	mg/L			SW846-6010
Cerium	U	0.08	mg/L			SW846-6010
Chromium	U	0.03	mg/L			SW846-6010
Cobalt	U	0.01	mg/L			SW846-6010
Copper	U	0.03	mg/L			SW846-6010
Gallium	U	0.09	mg/L			SW846-6010
Iron	U	0.3	mg/L			SW846-6010
Lead	U	0.005	mg/L			SW846-7421
Lithium	U	0.08	mg/L			SW846-6010
Magnesium		8.1	mg/L			SW846-6010
Manganese		0.03	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Molybdenum	U	0.03	mg/L			SW846-6010
Nickel	U	0.04	mg/L			SW846-6010
Potassium	U	3	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	U	0.03	mg/L			SW846-6010
Sodium		35.7	mg/L			SW846-6010
Strontium		0.085	mg/L			SW846-6010
Thallium	U	0.002	mg/L			SW846-7841
Thorium	U	0.05	mg/L			SW846-6010
Titanium	U	0.06	mg/L			SW846-6010
Uranium	U	0.001	mg/L			SA-U-8
Vanadium	U	0.02	mg/L			SW846-6010
Zinc	U	0.05	mg/L			SW846-6010
Zirconium	U	0.02	mg/L			SW846-6010
<b>METAL-D</b>						
Aluminum	U	0.2	mg/L			SW846-6010
Antimony	U	0.006	mg/L			SW846-7041
Barium		0.21	mg/L			SW846-6010
Beryllium	U	0.002	mg/L			SW846-6010
Boron	U	0.03	mg/L			SW846-6010
Cadmium	U	0.0005	mg/L			SW846-7131

**MW267**

**C746S-95**

**C-746S&T Landfill Monitoring C746S-95**

Calcium		20.4	mg/L	SW846-6010
Cerium	U	0.08	mg/L	SW846-6010
Chromium	U	0.03	mg/L	SW846-6010
Cobalt	U	0.01	mg/L	SW846-6010
Copper	U	0.03	mg/L	SW846-6010
Gallium	U	0.09	mg/L	SW846-6010
Iron	U	0.3	mg/L	SW846-6010
Lead	U	0.005	mg/L	SW846-7421
Lithium	U	0.08	mg/L	SW846-6010
Magnesium		8.1	mg/L	SW846-6010
Manganese		0.03	mg/L	SW846-6010
Mercury	U	0.0002	mg/L	SW846-7470
Molybdenum	U	0.03	mg/L	SW846-6010
Nickel	U	0.04	mg/L	SW846-6010
Potassium	U	3	mg/L	SW846-6010
Selenium	U	0.005	mg/L	SW846-7740
Silver	U	0.03	mg/L	SW846-6010
Sodium		35.6	mg/L	SW846-6010
Strontium		0.084	mg/L	SW846-6010
Thallium	U	0.002	mg/L	SW846-7841
Thorium	U	0.05	mg/L	SW846-6010
Titanium	U	0.06	mg/L	SW846-6010
Vanadium	U	0.02	mg/L	SW846-6010
Zinc	U	0.05	mg/L	SW846-6010
Zirconium	U	0.02	mg/L	SW846-6010

**PHYSC**

Chemical Oxygen Demand (COD)	<	5	mg/L	W-40
Dissolved Solids		213	mg/L	W-140
Specific Conductivity (PIP)		364	umho/cm	SA-COND-1
Turbidity		4.7	NTU	W-170

**RADS**

Alpha activity	U	1000	pCi/L	R
Alpha activity		2	pCi/L	0.9 R-4
Beta activity		9	pCi/L	4 R-4
Beta activity	U	1000	pCi/L	R
Technetium-99		11	pCi/L	7 R-46

**SVOA**

1,2-Dichlorobenzene	U	0.005	mg/L	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L	SW846-8260

**VOA**

1,1,1,2-Tetrachloroethane	U	0.005	mg/L	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	SW846-8260
1,1,2-Trichloro-1,2,2-trifluoroethane	U	0.005	mg/L	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	SW846-8260
2-Butanone	JB	0.003	mg/L	SW846-8260
2-Chloroethyl vinyl ether	U	0.005	mg/L	SW846-8260
2-Hexanone	U	0.005	mg/L	SW846-8260
4-Methyl-2-pentanone	U	0.005	mg/L	SW846-8260

**MW267**

**C746S-95**

**C-746S&T Landfill Monitoring C746S-95**

Acetone	J	0.002	mg/L	SW846-8260
Acrolein	U	0.005	mg/L	SW846-8260
Acrylonitrile	U	0.005	mg/L	SW846-8260
Benzene	U	0.005	mg/L	SW846-8260
Bromochloromethane	U	0.005	mg/L	SW846-8260
Bromodichloromethane	U	0.005	mg/L	SW846-8260
Bromoform	U	0.005	mg/L	SW846-8260
Bromomethane	U	0.005	mg/L	SW846-8260
Carbon disulfide	U	0.005	mg/L	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	SW846-8260
Chlorobenzene	U	0.005	mg/L	SW846-8260
Chloroethane	U	0.005	mg/L	SW846-8260
Chloromethane	U	0.005	mg/L	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Dibromochloromethane	U	0.005	mg/L	SW846-8260
Dibromomethane	U	0.005	mg/L	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	SW846-8260
Ethanol	U	0.2	mg/L	SW846-8260
Ethyl methacrylate	U	0.005	mg/L	SW846-8260
Ethylbenzene	U	0.005	mg/L	SW846-8260
Iodomethane	U	0.005	mg/L	SW846-8260
Methylene chloride	U	0.005	mg/L	SW846-8260
Styrene	U	0.005	mg/L	SW846-8260
Tetrachloroethene	U	0.005	mg/L	SW846-8260
Toluene	U	0.005	mg/L	SW846-8260
Total Xylene	U	0.005	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L	SW846-8260
Trichloroethene	U	0.001	mg/L	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L	SW846-8260
Vinyl acetate	U	0.005	mg/L	SW846-8260
Vinyl chloride	U	0.002	mg/L	SW846-8260

**5311-95**

Collected: 1/10/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)		0.005	mg/L			SW846-9020
<b>Field P</b>						
pH		6.3	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		363	umho/cm			SA-COND-1



**MW267**

**C746S-95**

**C-746S&T Landfill Monitoring C746S-95**

**5312-95**

Collected: 1/10/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)		0.005	mg/L			SW846-9020
<b>Field P</b>						
pH		6.3	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		363	umho/cm			SA-COND-1

**5313-95**

Collected: 1/10/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)	U	0.005	mg/L			SW846-9020
<b>Field P</b>						
pH		6.3	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		363	umho/cm			SA-COND-1

**MW267**

**C746S-95**

**C-746S&T Landfill Monitoring C746S-95**

**6007-95**

Collected: 4/3/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		49	mg/L			SW846-9251
Nitrate as Nitrogen		2.7	mg/L			SA-N-1
Sulfate		18	mg/L			SW846-9038
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)	U	0.005	mg/L			SW846-9020
<b>Field P</b>						
Depth to Water		53.93	ft			
Dissolved Oxygen		5.36	mg/L			
pH		5.7	Std Unit			
Temperature		59	deg F			
<b>METAL</b>						
Aluminum		0.2	mg/L			SW846-6010
Antimony	U	0.006	mg/L			SW846-7041
Barium		0.215	mg/L			SW846-6010
Beryllium		0.002	mg/L			SW846-6010
Boron		0.04	mg/L			SW846-6010
Cadmium	U	0.0005	mg/L			SW846-7131
Calcium		21.5	mg/L			SW846-6010
Cerium		0.08	mg/L			SW846-6010
Chromium		0.03	mg/L			SW846-6010
Cobalt		0.01	mg/L			SW846-6010
Copper		0.03	mg/L			SW846-6010
Gallium		0.09	mg/L			SW846-6010
Iron		0.3	mg/L			SW846-6010
Lead	U	0.005	mg/L			SW846-7421
Lithium		0.08	mg/L			SW846-6010
Magnesium		8.4	mg/L			SW846-6010
Manganese		0.056	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Molybdenum		0.03	mg/L			SW846-6010
Nickel		0.04	mg/L			SW846-6010
Potassium		4	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver		0.03	mg/L			SW846-6010
Sodium		39.4	mg/L			SW846-6010
Strontium		0.104	mg/L			SW846-6010
Thallium	U	0.002	mg/L			SW846-7841
Thorium		0.05	mg/L			SW846-6010
Titanium		0.06	mg/L			SW846-6010
Uranium	U	0.001	mg/L			SA-U-8
Vanadium		0.02	mg/L			SW846-6010
Zinc		0.05	mg/L			SW846-6010
Zirconium		0.02	mg/L			SW846-6010
<b>METAL-D</b>						
Aluminum		0.2	mg/L			SW846-6010
Antimony	U	0.006	mg/L			SW846-7041
Barium		0.212	mg/L			SW846-6010
Beryllium		0.002	mg/L			SW846-6010
Boron		0.04	mg/L			SW846-6010

**MW267**

**C746S-95**

**C-746S&T Landfill Monitoring C746S-95**

Cadmium	U	0.0005	mg/L	SW846-7131
Calcium		21.3	mg/L	SW846-6010
Cerium		0.08	mg/L	SW846-6010
Chromium		0.03	mg/L	SW846-6010
Cobalt		0.01	mg/L	SW846-6010
Copper		0.03	mg/L	SW846-6010
Gallium		0.09	mg/L	SW846-6010
Iron		0.3	mg/L	SW846-6010
Lead	U	0.005	mg/L	SW846-7421
Lithium		0.08	mg/L	SW846-6010
Magnesium		8.3	mg/L	SW846-6010
Manganese		0.058	mg/L	SW846-6010
Mercury	U	0.0002	mg/L	SW846-7470
Molybdenum		0.03	mg/L	SW846-6010
Nickel		0.04	mg/L	SW846-6010
Potassium		4	mg/L	SW846-6010
Selenium	U	0.005	mg/L	SW846-7740
Silver		0.03	mg/L	SW846-6010
Sodium		39.6	mg/L	SW846-6010
Strontium		0.107	mg/L	SW846-6010
Thallium	U	0.002	mg/L	SW846-7841
Thorium		0.05	mg/L	SW846-6010
Titanium		0.06	mg/L	SW846-6010
Vanadium		0.02	mg/L	SW846-6010
Zinc		0.05	mg/L	SW846-6010
Zirconium		0.02	mg/L	SW846-6010

**PHYSC**

Chemical Oxygen Demand (COD)		7	mg/L	W-40
Dissolved Solids		229	mg/L	W-140
Specific Conductivity (PIP)		376	umho/cm	SA-COND-1
Turbidity		2.2	NTU	W-170

**RADS**

Alpha activity		0	pCi/L	0	R-4
Alpha activity	U	1000	pCi/L		R
Beta activity		7	pCi/L	1	R-4
Beta activity	U	1000	pCi/L		R
Technetium-99		15	pCi/L	19	R-46

**SVOA**

1,2-Dichlorobenzene	U	0.005	mg/L	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L	SW846-8260

**VOA**

1,1,1,2-Tetrachloroethane	U	0.005	mg/L	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	SW846-8260
1,1,2-Trichloro-1,2,2-trifluoroethane	U	0.005	mg/L	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	SW846-8260
2-Butanone	BJ	0.006	mg/L	SW846-8260
2-Chloroethyl vinyl ether	U	0.005	mg/L	SW846-8260
2-Hexanone	U	0.005	mg/L	SW846-8260

**MW267**

**C746S-95**

**C-746S&T Landfill Monitoring C746S-95**

4-Methyl-2-pentanone	U	0.005	mg/L	SW846-8260
Acetone	BJ	0.008	mg/L	SW846-8260
Acrolein	U	0.005	mg/L	SW846-8260
Acrylonitrile	U	0.005	mg/L	SW846-8260
Benzene	U	0.005	mg/L	SW846-8260
Bromochloromethane	U	0.005	mg/L	SW846-8260
Bromodichloromethane	U	0.005	mg/L	SW846-8260
Bromoform	U	0.005	mg/L	SW846-8260
Bromomethane	U	0.005	mg/L	SW846-8260
Carbon disulfide	U	0.005	mg/L	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	SW846-8260
Chlorobenzene	U	0.005	mg/L	SW846-8260
Chloroethane	U	0.005	mg/L	SW846-8260
Chloromethane	U	0.005	mg/L	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Dibromochloromethane	U	0.005	mg/L	SW846-8260
Dibromomethane	U	0.005	mg/L	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	SW846-8260
Ethanol	JB	0.2	mg/L	SW846-8260
Ethyl methacrylate	U	0.005	mg/L	SW846-8260
Ethylbenzene	U	0.005	mg/L	SW846-8260
Iodomethane	U	0.005	mg/L	SW846-8260
Methylene chloride	U	0.005	mg/L	SW846-8260
Styrene	U	0.005	mg/L	SW846-8260
Tetrachloroethene	U	0.005	mg/L	SW846-8260
Toluene	U	0.005	mg/L	SW846-8260
Total Xylene	U	0.005	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L	SW846-8260
Trichloroethene	U	0.001	mg/L	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L	SW846-8260
Vinyl acetate	U	0.005	mg/L	SW846-8260
Vinyl chloride	U	0.002	mg/L	SW846-8260

**6008-95**

Collected: 4/3/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)	U	0.005	mg/L			SW846-9020
<b>Field P</b>						
pH		5.7	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		371	umho/cm			SA-COND-1

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**MW267**

**C746S-95**

**C-746S&T Landfill Monitoring C746S-95**

**6009-95**

Collected: 4/3/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)	U	0.005	mg/L			SW846-9020
<b>Field P</b>						
pH		5.7	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		371	umho/cm			SA-COND-1

**6010-95**

Collected: 4/3/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)		0.01	mg/L			SW846-9020
<b>Field P</b>						
pH		5.7	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		371	umho/cm			SA-COND-1

**6012-95**

Collected: 4/3/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)	U	0.005	mg/L			SW846-9020
<b>Field P</b>						
pH		5.7	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		372	umho/cm			SA-COND-1

**6013-95**

Collected: 4/3/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)	U	0.005	mg/L			SW846-9020
<b>Field P</b>						
pH		5.7	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		372	umho/cm			SA-COND-1

**MW267**

**C746S-95**

**C-746S&T Landfill Monitoring C746S-95**

**6014-95**

Collected: 4/3/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)	U	0.005	mg/L			SW846-9020
<b>Field P</b>						
pH		5.7	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		370	umho/cm			SA-COND-1

**MW267**

**C746S-95**

**C-746S&T Landfill Monitoring C746S-95**

**6777-95**

Collected: 7/10/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		51	mg/L			SW846-9251
Nitrate as Nitrogen		3.4	mg/L			SA-N-1
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)		0.013	mg/L			SW846-9020
<b>Field P</b>						
Depth to Water		50.31	ft			
Dissolved Oxygen		5.04	mg/L			
pH		5.9	Std Unit			
Temperature		61	deg F			
<b>METAL</b>						
Aluminum		0.2	mg/L			SW846-6010
Antimony	U	0.006	mg/L			SW846-7041
Barium		0.199	mg/L			SW846-6010
Beryllium		0.002	mg/L			SW846-6010
Boron		0.03	mg/L			SW846-6010
Cadmium	BNU	0.005	mg/L			SW846-7131
Calcium		20	mg/L			SW846-6010
Cerium		0.08	mg/L			SW846-6010
Chromium	U	0.025	mg/L			SW846-6010
Cobalt		0.01	mg/L			SW846-6010
Copper	U	0.025	mg/L			SW846-6010
Gallium		0.09	mg/L			SW846-6010
Iron		0.3	mg/L			SW846-6010
Lead	U	0.005	mg/L			SW846-7421
Lithium		0.08	mg/L			SW846-6010
Magnesium		7.9	mg/L			SW846-6010
Manganese		0.032	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Molybdenum		0.03	mg/L			SW846-6010
Nickel		0.04	mg/L			SW846-6010
Potassium		4	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	U	0.025	mg/L			SW846-6010
Sodium		39	mg/L			SW846-6010
Strontium		0.103	mg/L			SW846-6010
Thallium	U	0.002	mg/L			SW846-7841
Thorium		0.05	mg/L			SW846-6010
Titanium		0.06	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Vanadium		0.02	mg/L			SW846-6010
Zinc		0.05	mg/L			SW846-6010
Zirconium		0.02	mg/L			SW846-6010
<b>PHYSC</b>						
Chemical Oxygen Demand (COD)		7	mg/L			W-40
Dissolved Solids		212	mg/L			IN7475
Specific Conductivity (PIP)		376	umho/cm			EPA-120.1
Turbidity		1	NTU			IN7490
<b>RADS</b>						
Alpha activity	U	1000	pCi/L			R-56

**MW267**

**C746S-95**

**C-746S&T Landfill Monitoring C746S-95**

Alpha activity		2.1	pCi/L	1	R-4
Beta activity	U	1000	pCi/L		R-56
Beta activity		29	pCi/L	4	R-4
Technetium-99		8	pCi/L	11	R-46
<b>SVOA</b>					
1,2-Dichlorobenzene	U	0.005	mg/L		SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		SW846-8260
<b>VOA</b>					
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		SW846-8260
1,1,2-Trichloro-1,2,2-trifluoroethane	U	0.005	mg/L		SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		SW846-8260
2-Butanone	U	0.005	mg/L		SW846-8260
2-Chloroethyl vinyl ether	U	0.005	mg/L		SW846-8260
2-Hexanone	U	0.005	mg/L		SW846-8260
4-Methyl-2-pentanone	U	0.005	mg/L		SW846-8260
Acetone	B	0.017	mg/L		SW846-8260
Acrolein	U	0.005	mg/L		SW846-8260
Acrylonitrile	U	0.005	mg/L		SW846-8260
Benzene	U	0.005	mg/L		SW846-8260
Bromochloromethane	U	0.005	mg/L		SW846-8260
Bromodichloromethane	U	0.005	mg/L		SW846-8260
Bromoform	U	0.005	mg/L		SW846-8260
Bromomethane	U	0.005	mg/L		SW846-8260
Carbon disulfide	U	0.005	mg/L		SW846-8260
Carbon tetrachloride	U	0.005	mg/L		SW846-8260
Chlorobenzene	U	0.005	mg/L		SW846-8260
Chloroethane	U	0.005	mg/L		SW846-8260
Chloromethane	U	0.005	mg/L		SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		SW846-8260
Dibromochloromethane	U	0.005	mg/L		SW846-8260
Dibromomethane	U	0.005	mg/L		SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		SW846-8260
Ethanol	U	0.2	mg/L		SW846-8260
Ethyl methacrylate	U	0.005	mg/L		SW846-8260
Ethylbenzene	U	0.005	mg/L		SW846-8260
Iodomethane	U	0.005	mg/L		SW846-8260
Methylene chloride	U	0.005	mg/L		SW846-8260
Styrene	U	0.005	mg/L		SW846-8260
Tetrachloroethene	U	0.005	mg/L		SW846-8260
Toluene	U	0.005	mg/L		SW846-8260
Total Xylene	U	0.005	mg/L		SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		SW846-8260
Trichloroethene	U	0.001	mg/L		SW846-8260
Trichlorofluoromethane	U	0.005	mg/L		SW846-8260



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**MW267**

**C746S-95**

**C-746S&T Landfill Monitoring C746S-95**

Vinyl acetate	U	0.005	mg/L	SW846-8260
Vinyl chloride	U	0.002	mg/L	SW846-8260

**6778-95**

Collected: 7/10/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)	U	0.005	mg/L			SW846-9020
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		377	umho/cm			EPA-120.1

**6779-95**

Collected: 7/10/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)	U	0.005	mg/L			SW846-9020
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		378	umho/cm			EPA-120.1

**6780-95**

Collected: 7/10/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)	U	0.005	mg/L			SW846-9020
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		377	umho/cm			EPA-120.1

## MW267

## C746S-95

## C-746S&amp;T Landfill Monitoring C746S-95

## 7613-95

Collected: 10/10/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		40.8	mg/L			IN7120
Nitrate as Nitrogen		2.5	mg/L			IN7120
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)	U	0.005	mg/L			SW846-9020
<b>Field P</b>						
Depth to Water		53.82	ft			
Dissolved Oxygen		6.24	mg/L			
pH		6	Std Unit			
Temperature		59	deg F			
<b>METAL</b>						
Antimony	U	0.003	mg/L			DNT
Barium		0.196	mg/L			SW846-6010
Beryllium	U	0.002	mg/L			DNT
Cadmium	JU	0.01	mg/L			SW846-6010
Chromium	U	0.03	mg/L			SW846-6010
Cobalt	U	0.022	mg/L			SW846-6010
Copper	U	0.012	mg/L			SW846-6010
Iron	U	0.178	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Nickel	U	0.05	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	JU	0.03	mg/L			SW846-6010
Sodium	N	33.6	mg/L			SW846-6010
Thallium	U	0.002	mg/L			DNT
Uranium	U	0.001	mg/L			IN7105
Vanadium		0.081	mg/L			SW846-6010
Zinc	U	0.015	mg/L			SW846-6010
<b>METAL-D</b>						
Barium		0.195	mg/L			SW846-6010
Sodium	N	32.7	mg/L			SW846-6010
Vanadium		0.04	mg/L			SW846-6010
<b>PHYSC</b>						
Chemical Oxygen Demand (COD)	<	5	mg/L			W-40
Dissolved Solids		193	mg/L			IN7475
Specific Conductivity (PIP)		349	umho/cm			IN7125
Turbidity		0.87	NTU			IN7490
<b>RADS</b>						
Alpha activity	U	400	pCi/L			R-56
Alpha activity		1.4	pCi/L	0.9		R-4
Beta activity	U	1000	pCi/L			R-56
Beta activity		8	pCi/L	2		R-4
Technetium-99		6	pCi/L	10		RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.00005	mg/L			SW846-8260
1,4-Dichlorobenzene	U	0.00005	mg/L			SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.00005	mg/L			SW846-8260
1,1,1-Trichloroethane	U	0.00005	mg/L			SW846-8260
1,1,2,2-Tetrachloroethane	U	0.00005	mg/L			SW846-8260

## MW267

## C746S-95

## C-746S&amp;T Landfill Monitoring C746S-95

1,1,2-Trichloroethane	U	0.00005	mg/L	SW846-8260
1,1-Dichloroethane	U	0.00005	mg/L	SW846-8260
1,1-Dichloroethene	U	0.00005	mg/L	SW846-8260
1,2,3-Trichloropropane	U	0.00005	mg/L	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.00005	mg/L	SW846-8260
1,2-Dibromoethane	U	0.00005	mg/L	SW846-8260
1,2-Dichloroethane	U	0.00005	mg/L	SW846-8260
1,2-Dichloropropane	U	0.00005	mg/L	SW846-8260
2-Butanone	U	0.005	mg/L	SW846-8260
2-Chloroethyl vinyl ether	U	0.001	mg/L	SW846-8260
2-Hexanone	U	0.005	mg/L	SW846-8260
4-Methyl-2-pentanone	U	0.005	mg/L	SW846-8260
Acetone	U	0.005	mg/L	SW846-8260
Acrolein	U	0.001	mg/L	SW846-8260
Acrylonitrile	U	0.001	mg/L	SW846-8260
Benzene	U	0.00005	mg/L	SW846-8260
Bromochloromethane	U	0.00005	mg/L	SW846-8260
Bromodichloromethane	U	0.00005	mg/L	SW846-8260
Bromoform	U	0.00005	mg/L	SW846-8260
Bromomethane	U	0.00005	mg/L	SW846-8260
Carbon disulfide	U	0.001	mg/L	SW846-8260
Carbon tetrachloride	U	0.00005	mg/L	SW846-8260
Chlorobenzene	U	0.00005	mg/L	SW846-8260
Chloroethane	U	0.00005	mg/L	SW846-8260
Chloroform	U	0.00005	mg/L	SW846-8260
Chloromethane	B	6.3E-05	mg/L	SW846-8260
cis-1,2-Dichloroethene	U	0.00005	mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.00005	mg/L	SW846-8260
Dibromochloromethane	U	0.00005	mg/L	SW846-8260
Dibromomethane	U	0.00005	mg/L	SW846-8260
Dichlorodifluoromethane	U	0.00005	mg/L	SW846-8260
Ethanol	U	0.25	mg/L	SW846-8260
Ethyl methacrylate	U	0.001	mg/L	SW846-8260
Ethylbenzene	U	0.00005	mg/L	SW846-8260
Iodomethane	U	0.001	mg/L	SW846-8260
m,p-Xylene	U	0.0001	mg/L	SW846-8260
Methylene chloride	B	0.00005	mg/L	SW846-8260
Styrene	U	0.00005	mg/L	SW846-8260
Tetrachloroethene	U	0.00005	mg/L	SW846-8260
Tetrachloroethene	U	0.00005	mg/L	SW846-8260
Toluene	B	6.8E-05	mg/L	SW846-8260
Total Xylene	U	0.00005	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.00005	mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.00005	mg/L	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.001	mg/L	SW846-8260
Trichloroethene		6.5E-05	mg/L	SW846-8260
Trichlorofluoromethane	U	0.00005	mg/L	SW846-8260
Vinyl acetate	U	0.001	mg/L	SW846-8260
Vinyl chloride	U	0.00005	mg/L	SW846-8260

**MW267**

**C746S-95**

**C-746S&T Landfill Monitoring C746S-95**

**7614-95**

Collected: 10/10/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)	U	0.005	mg/L			SW846-9020
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		348	umho/cm			IN7125

**7615-95**

Collected: 10/10/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)	U	0.005	mg/L			SW846-9020
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		349	umho/cm			IN7125

**7616-95**

Collected: 10/10/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)	U	0.005	mg/L			SW846-9020
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		349	umho/cm			IN7125

**MW267**

**C746S-95**

**C-746S&T Landfill Monitoring C746S-95**

**6011-95**

Collected: 4/3/1995

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		50	mg/L			SW846-9251
Nitrate as Nitrogen		2.6	mg/L			SA-N-1
Sulfate		18	mg/L			SW846-9038
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)		0.008	mg/L			SW846-9020
<b>Field P</b>						
Depth to Water		53.93	ft			
Dissolved Oxygen		5.36	mg/L			
pH		5.7	Std Unit			
Temperature		59	deg F			
<b>METAL</b>						
Aluminum		0.2	mg/L			SW846-6010
Antimony	U	0.006	mg/L			SW846-7041
Barium		0.212	mg/L			SW846-6010
Beryllium		0.002	mg/L			SW846-6010
Boron		0.03	mg/L			SW846-6010
Cadmium	U	0.0005	mg/L			SW846-7131
Calcium		21.3	mg/L			SW846-6010
Cerium		0.08	mg/L			SW846-6010
Chromium		0.03	mg/L			SW846-6010
Cobalt		0.01	mg/L			SW846-6010
Copper		0.03	mg/L			SW846-6010
Gallium		0.09	mg/L			SW846-6010
Iron		0.3	mg/L			SW846-6010
Lead	U	0.005	mg/L			SW846-7421
Lithium		0.08	mg/L			SW846-6010
Magnesium		8.3	mg/L			SW846-6010
Manganese		0.056	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Molybdenum		0.03	mg/L			SW846-6010
Nickel		0.04	mg/L			SW846-6010
Potassium		4	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver		0.03	mg/L			SW846-6010
Sodium		38.9	mg/L			SW846-6010
Strontium		0.103	mg/L			SW846-6010
Thallium	U	0.002	mg/L			SW846-7841
Thorium		0.05	mg/L			SW846-6010
Titanium		0.06	mg/L			SW846-6010
Uranium	U	0.001	mg/L			SA-U-8
Vanadium		0.02	mg/L			SW846-6010
Zinc		0.05	mg/L			SW846-6010
Zirconium		0.02	mg/L			SW846-6010
<b>METAL-D</b>						
Aluminum		0.2	mg/L			SW846-6010
Antimony	U	0.006	mg/L			SW846-7041
Barium		0.216	mg/L			SW846-6010
Beryllium		0.002	mg/L			SW846-6010
Boron		0.15	mg/L			SW846-6010

**MW267**

**C746S-95**

**C-746S&T Landfill Monitoring C746S-95**

Cadmium	U	0.0005	mg/L	SW846-7131
Calcium		21.3	mg/L	SW846-6010
Cerium		0.08	mg/L	SW846-6010
Chromium		0.03	mg/L	SW846-6010
Cobalt		0.01	mg/L	SW846-6010
Copper		0.03	mg/L	SW846-6010
Gallium		0.09	mg/L	SW846-6010
Iron		0.3	mg/L	SW846-6010
Lead	U	0.005	mg/L	SW846-7421
Lithium		0.08	mg/L	SW846-6010
Magnesium		8.4	mg/L	SW846-6010
Manganese		0.057	mg/L	SW846-6010
Mercury	U	0.0002	mg/L	SW846-7470
Molybdenum		0.03	mg/L	SW846-6010
Nickel		0.04	mg/L	SW846-6010
Potassium		4	mg/L	SW846-6010
Selenium	U	0.005	mg/L	SW846-7740
Silver		0.03	mg/L	SW846-6010
Sodium		39.5	mg/L	SW846-6010
Strontium		0.105	mg/L	SW846-6010
Thallium	U	0.002	mg/L	SW846-7841
Thorium		0.05	mg/L	SW846-6010
Titanium		0.06	mg/L	SW846-6010
Vanadium		0.02	mg/L	SW846-6010
Zinc		0.05	mg/L	SW846-6010
Zirconium		0.02	mg/L	SW846-6010

**PHYSC**

Chemical Oxygen Demand (COD)		5	mg/L	W-40
Dissolved Solids		207	mg/L	W-140
Specific Conductivity (PIP)		376	umho/cm	SA-COND-1
Turbidity		2.2	NTU	W-170

**RADS**

Alpha activity	U	1000	pCi/L		R
Alpha activity		0	pCi/L	0.3	R-4
Beta activity		9	pCi/L	2	R-4
Beta activity	U	1000	pCi/L		R
Technetium-99		2	pCi/L	51	R-46

**SVOA**

1,2-Dichlorobenzene	U	0.005	mg/L	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L	SW846-8260

**VOA**

1,1,1,2-Tetrachloroethane	U	0.005	mg/L	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	SW846-8260
1,1,2-Trichloro-1,2,2-trifluoroethane	U	0.005	mg/L	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	SW846-8260
2-Butanone	BJ	0.006	mg/L	SW846-8260
2-Chloroethyl vinyl ether	U	0.005	mg/L	SW846-8260
2-Hexanone	U	0.005	mg/L	SW846-8260

**MW267****C746S-95****C-746S&T Landfill Monitoring C746S-95**

4-Methyl-2-pentanone	U	0.005	mg/L	SW846-8260
Acetone	BJ	0.006	mg/L	SW846-8260
Acrolein	U	0.005	mg/L	SW846-8260
Acrylonitrile	U	0.005	mg/L	SW846-8260
Benzene	U	0.005	mg/L	SW846-8260
Bromochloromethane	U	0.005	mg/L	SW846-8260
Bromodichloromethane	U	0.005	mg/L	SW846-8260
Bromoform	U	0.005	mg/L	SW846-8260
Bromomethane	U	0.005	mg/L	SW846-8260
Carbon disulfide	U	0.005	mg/L	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	SW846-8260
Chlorobenzene	U	0.005	mg/L	SW846-8260
Chloroethane	U	0.005	mg/L	SW846-8260
Chloromethane	U	0.005	mg/L	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Dibromochloromethane	U	0.005	mg/L	SW846-8260
Dibromomethane	U	0.005	mg/L	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	SW846-8260
Ethanol	JB	0.11	mg/L	SW846-8260
Ethyl methacrylate	U	0.005	mg/L	SW846-8260
Ethylbenzene	U	0.005	mg/L	SW846-8260
Iodomethane	U	0.005	mg/L	SW846-8260
Methylene chloride	U	0.005	mg/L	SW846-8260
Styrene	U	0.005	mg/L	SW846-8260
Tetrachloroethene	U	0.005	mg/L	SW846-8260
Toluene	U	0.005	mg/L	SW846-8260
Total Xylene	U	0.005	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L	SW846-8260
Trichloroethene	U	0.001	mg/L	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L	SW846-8260
Vinyl acetate	U	0.005	mg/L	SW846-8260
Vinyl chloride	U	0.002	mg/L	SW846-8260

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**MW179**

**C746S-96**

**C-746S&T Landfill Monitoring C746S-96**

**5078-96**

Collected: 1/10/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		32	mg/L			IN7120
Nitrate as Nitrogen	U	1	mg/L			IN7120
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)		0.007	mg/L			SW846-9020
<b>Field P</b>						
Depth to Water		35.55	ft			
Dissolved Oxygen		2.71	mg/L			
pH		5.7	Std Unit			
Temperature		59	deg F			
<b>METAL</b>						
Antimony	U	0.003	mg/L			SW846-7041
Barium	U	0.035	mg/L			SW846-6010
Beryllium	U	0.002	mg/L			SW846-6010
Cadmium	U	0.005	mg/L			SW846-7131
Chromium	U	0.03	mg/L			SW846-6010
Cobalt	U	0.022	mg/L			SW846-6010
Copper	U	0.012	mg/L			SW846-6010
Iron	U	0.178	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Nickel	U	0.05	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	U	0.03	mg/L			SW846-6010
Sodium	N	45.7	mg/L			SW846-6010
Thallium	U	0.002	mg/L			SW846-7841
Uranium	U	0.001	mg/L			IN7105
Vanadium		0.121	mg/L			SW846-6010
Zinc	U	0.015	mg/L			SW846-6010
<b>METAL-D</b>						
Barium	U	0.07	mg/L			SW846-6010
Chromium	U	0.06	mg/L			SW846-6010
Cobalt	U	0.045	mg/L			SW846-6010
Copper	U	0.025	mg/L			SW846-6010
Iron	N*U	0.355	mg/L			SW846-6010
Nickel	U	0.1	mg/L			SW846-6010
Silver	U	0.06	mg/L			SW846-6010
Sodium	N	46.1	mg/L			SW846-6010
Vanadium		0.135	mg/L			SW846-6010
Zinc	U	0.03	mg/L			SW846-6010
<b>PHYSIC</b>						
Chemical Oxygen Demand (COD)	<	5	mg/L			W-40
Dissolved Solids		444	mg/L			IN7475
Specific Conductivity (PIP)		669	umho/cm			IN7125
Turbidity		1.1	NTU			IN7490
<b>RADS</b>						
Alpha activity	U	1000	pCi/L			R-56
Alpha activity		0.8	pCi/L	0.6		R-4
Beta activity	U	1000	pCi/L			R-56
Beta activity		3	pCi/L	1		R-4
Technetium-99		0	pCi/L	0		RL-7100



## MW179

## C746S-96

## C-746S&amp;T Landfill Monitoring C746S-96

SVOA	
1,2-Dichlorobenzene	U 0.005 mg/L SW846-8260
1,4-Dichlorobenzene	U 0.005 mg/L SW846-8260
VOA	
1,1,1,2-Tetrachloroethane	U 0.005 mg/L SW846-8260
1,1,1-Trichloroethane	U 0.005 mg/L SW846-8260
1,1,2,2-Tetrachloroethane	U 0.005 mg/L SW846-8260
1,1,2-Trichloroethane	U 0.005 mg/L SW846-8260
1,1-Dichloroethane	U 0.005 mg/L SW846-8260
1,2,3-Trichloropropane	U 0.005 mg/L SW846-8260
1,2-Dibromo-3-chloropropane	U 0.005 mg/L SW846-8260
1,2-Dibromoethane	U 0.005 mg/L SW846-8260
1,2-Dichloroethane	U 0.005 mg/L SW846-8260
1,2-Dichloropropane	U 0.005 mg/L SW846-8260
2-Butanone	U 0.005 mg/L SW846-8260
2-Chloroethyl vinyl ether	U 0.005 mg/L SW846-8260
2-Hexanone	U 0.005 mg/L SW846-8260
4-Methyl-2-pentanone	U 0.005 mg/L SW846-8260
Acetone	U 0.005 mg/L SW846-8260
Benzene	U 0.005 mg/L SW846-8260
Bromochloromethane	U 0.005 mg/L SW846-8260
Bromodichloromethane	U 0.005 mg/L SW846-8260
Bromoform	U 0.005 mg/L SW846-8260
Bromomethane	U 0.005 mg/L SW846-8260
Carbon disulfide	U 0.005 mg/L SW846-8260
Carbon tetrachloride	U 0.005 mg/L SW846-8260
Chlorobenzene	U 0.005 mg/L SW846-8260
Chloroethane	U 0.005 mg/L SW846-8260
Chloromethane	U 0.005 mg/L SW846-8260
cis-1,2-Dichloroethene	U 0.005 mg/L SW846-8260
cis-1,3-Dichloropropene	U 0.005 mg/L SW846-8260
Dibromochloromethane	U 0.005 mg/L SW846-8260
Dibromomethane	U 0.005 mg/L SW846-8260
Dichlorodifluoromethane	U 0.005 mg/L SW846-8260
Ethyl methacrylate	U 0.005 mg/L SW846-8260
Ethylbenzene	U 0.005 mg/L SW846-8260
Iodomethane	U 0.005 mg/L SW846-8260
Methylene chloride	U 0.005 mg/L SW846-8260
Styrene	U 0.005 mg/L SW846-8260
Tetrachloroethene	U 0.005 mg/L SW846-8260
Toluene	U 0.005 mg/L SW846-8260
Total Xylene	U 0.01 mg/L SW846-8260
trans-1,2-Dichloroethene	U 0.005 mg/L SW846-8260
trans-1,3-Dichloropropene	U 0.005 mg/L SW846-8260
Trans-1,4-Dichloro-2-butene	U 0.005 mg/L SW846-8260
Trichloroethene	0.004 mg/L SW846-8260
Trichlorofluoromethane	U 0.005 mg/L SW846-8260
Vinyl acetate	U 0.005 mg/L SW846-8260
Vinyl chloride	U 0.002 mg/L SW846-8260

**MW179**

**C746S-96**

**C-746S&T Landfill Monitoring C746S-96**

**5079-96**

Collected: 1/10/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)	U	0.005	mg/L			SW846-9020
<b>Field P</b>						
pH		5.7	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		668	umho/cm			IN7125

**5080-96**

Collected: 1/10/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)	U	0.005	mg/L			SW846-9020
<b>Field P</b>						
pH		5.7	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		667	umho/cm			IN7125

**5081-96**

Collected: 1/10/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)		0.005	mg/L			SW846-9020
<b>Field P</b>						
pH		5.7	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		667	umho/cm			IN7125

**5507-96**

Collected: 3/5/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		34.85	ft			
Dissolved Oxygen		3.22	mg/L			
pH		5.9	Std Unit			
Temperature		59	deg F			
<b>VOA</b>						
Acrolein	U	0.005	mg/L			SW846-8030
Acrylonitrile	U	0.005	mg/L			SW846-8030
Ethanol	U	0.25	mg/L			SW846-8015

## MW179

## C746S-96

## C-746S&amp;T Landfill Monitoring C746S-96

## 5725-96

Collected: 4/10/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		32.4	mg/L			IN7120
Nitrate as Nitrogen	U	1	mg/L			IN7120
Total Organic Carbon (TOC)		1	mg/L			W-150
Total Organic Halides (TOX)	U	0.025	mg/L			SW846-9020
<b>Field P</b>						
Depth to Water		33.92	ft			
Dissolved Oxygen		4.11	mg/L			
pH		6	Std Unit			
Specific Conductivity (PIP)		581	umho/cm			
Temperature		61	deg F			
<b>METAL</b>						
Barium	U	0.05	mg/L			SW846-6010
Beryllium	U	0.025	mg/L			SW846-6010
Cadmium	NU	0.005	mg/L			SW846-7131
Chromium		0.06	mg/L			SW846-6010
Cobalt	U	0.1	mg/L			SW846-6010
Copper	U	0.1	mg/L			SW846-6010
Iron		1.66	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Nickel	U	0.1	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	U	0.05	mg/L			SW846-6010
Sodium	N	45.7	mg/L			SW846-6010
Thallium	U	0.3	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Vanadium	U	0.5	mg/L			SW846-6010
Zinc	U	0.5	mg/L			SW846-6010
<b>METAL-D</b>						
Chromium	U	0.05	mg/L			SW846-6010
<b>PHYSC</b>						
Chemical Oxygen Demand (COD)	<	5	mg/L			W-40
Dissolved Solids		370	mg/L			IN7475
Turbidity		12	NTU			IN7490
<b>RADS</b>						
Alpha activity		0.9	pCi/L	0.7		RL-7122
Beta activity		3	pCi/L	1		RL-7122
Technetium-99		3	pCi/L	10		RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L			SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L			SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1-Dichloroethane	U	0.005	mg/L			SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L			SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L			SW846-8260
1,2-Dibromoethane	U	0.005	mg/L			SW846-8260

**MW179****C746S-96****C-746S&T Landfill Monitoring C746S-96**

1,2-Dichloroethane	U	0.005 mg/L	SW846-8260
1,2-Dichloropropane	U	0.005 mg/L	SW846-8260
2-Butanone	U	0.005 mg/L	SW846-8260
2-Chloroethyl vinyl ether	U	0.005 mg/L	SW846-8260
2-Hexanone	U	0.005 mg/L	SW846-8260
4-Methyl-2-pentanone	U	0.005 mg/L	SW846-8260
Acetone	U	0.005 mg/L	SW846-8260
Acrolein	U	0.005 mg/L	SW846-8030
Acrylonitrile	U	0.005 mg/L	SW846-8030
Benzene	U	0.005 mg/L	SW846-8260
Bromochloromethane	U	0.005 mg/L	SW846-8260
Bromodichloromethane	U	0.005 mg/L	SW846-8260
Bromoform	U	0.005 mg/L	SW846-8260
Bromomethane	U	0.005 mg/L	SW846-8260
Carbon disulfide	U	0.005 mg/L	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	SW846-8260
Chlorobenzene	U	0.005 mg/L	SW846-8260
Chloroethane	U	0.005 mg/L	SW846-8260
Chloromethane	U	0.005 mg/L	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	SW846-8260
Dibromochloromethane	U	0.005 mg/L	SW846-8260
Dibromomethane	U	0.005 mg/L	SW846-8260
Dichlorodifluoromethane	U	0.005 mg/L	SW846-8260
Ethanol	U	0.25 mg/L	SW846-8015
Ethyl methacrylate	U	0.005 mg/L	SW846-8260
Ethylbenzene	U	0.005 mg/L	SW846-8260
Iodomethane	U	0.005 mg/L	SW846-8260
Methylene chloride	U	0.005 mg/L	SW846-8260
Styrene	U	0.005 mg/L	SW846-8260
Tetrachloroethene	U	0.005 mg/L	SW846-8260
Toluene	U	0.005 mg/L	SW846-8260
Total Xylene	U	0.01 mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	SW846-8260
Trichloroethene		0.004 mg/L	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	SW846-8260
Vinyl acetate	U	0.005 mg/L	SW846-8260
Vinyl chloride	U	0.002 mg/L	SW846-8260

MW179

C746S-96

C-746S&T Landfill Monitoring C746S-96

5967-96

Collected: 7/16/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		33.5	mg/L			IN7120
Nitrate as Nitrogen	U	1	mg/L			IN7120
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)	U	0.025	mg/L			SW846-9020
<b>Field P</b>						
Depth to Water		29.61	ft			
Dissolved Oxygen		3.01	mg/L			
pH		6	Std Unit			
Specific Conductivity (PIP)		536	umho/cm			
Temperature		67	deg F			
<b>METAL</b>						
Barium	U	0.05	mg/L			SW846-6010
Beryllium	U	0.025	mg/L			SW846-6010
Cadmium	U	0.005	mg/L			SW846-7131
Chromium	U	0.05	mg/L			SW846-6010
Chromium	U	0.006	mg/L			SW846-6010
Cobalt	U	0.1	mg/L			SW846-6010
Copper	U	0.1	mg/L			SW846-6010
Iron	U	0.3	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Nickel	U	0.1	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	U	0.05	mg/L			SW846-6010
Sodium	N	38.8	mg/L			SW846-6010
Thallium	U	0.4	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Vanadium	U	0.25	mg/L			SW846-6010
Zinc	U	0.25	mg/L			SW846-6010
<b>PHYSC</b>						
Chemical Oxygen Demand (COD)	<	5	mg/L			IN7430
Dissolved Solids		345	mg/L			IN7475
Turbidity		2.6	NTU			IN7490
<b>RADS</b>						
Alpha activity		-0.1	pCi/L	-0.1		RL-7122
Beta activity		2	pCi/L	0		RL-7122
Technetium-99		18	pCi/L	11		RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L			SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L			SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1-Dichloroethane	U	0.005	mg/L			SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L			SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L			SW846-8260
1,2-Dibromoethane	U	0.005	mg/L			SW846-8260
1,2-Dichloroethane	U	0.005	mg/L			SW846-8260

**MW179****C746S-96****C-746S&T Landfill Monitoring C746S-96**

1,2-Dichloropropane	U	0.005 mg/L	SW846-8260
2-Butanone	U	0.005 mg/L	SW846-8260
2-Chloroethyl vinyl ether	U	0.005 mg/L	SW846-8260
2-Hexanone	U	0.005 mg/L	SW846-8260
4-Methyl-2-pentanone	U	0.005 mg/L	SW846-8260
Acetone	U	0.005 mg/L	SW846-8260
Acrolein	U	0.005 mg/L	SW846-8030
Acrylonitrile	U	0.005 mg/L	SW846-8030
Benzene	U	0.005 mg/L	SW846-8260
Bromochloromethane	U	0.005 mg/L	SW846-8260
Bromodichloromethane	U	0.005 mg/L	SW846-8260
Bromoform	U	0.005 mg/L	SW846-8260
Bromomethane	U	0.005 mg/L	SW846-8260
Carbon disulfide	U	0.005 mg/L	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	SW846-8260
Chlorobenzene	U	0.005 mg/L	SW846-8260
Chloroethane	U	0.005 mg/L	SW846-8260
Chloromethane	U	0.005 mg/L	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	SW846-8260
Dibromochloromethane	U	0.005 mg/L	SW846-8260
Dibromomethane	U	0.005 mg/L	SW846-8260
Dichlorodifluoromethane	U	0.005 mg/L	SW846-8260
Ethanol	U	0.25 mg/L	SW846-8015
Ethyl methacrylate	U	0.005 mg/L	SW846-8260
Ethylbenzene	U	0.005 mg/L	SW846-8260
Iodomethane	U	0.005 mg/L	SW846-8260
Methylene chloride	U	0.005 mg/L	SW846-8260
Styrene	U	0.005 mg/L	SW846-8260
Tetrachloroethene	U	0.005 mg/L	SW846-8260
Toluene	U	0.005 mg/L	SW846-8260
Total Xylene	U	0.01 mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	SW846-8260
Trichloroethene		0.002 mg/L	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	SW846-8260
Vinyl acetate	U	0.005 mg/L	SW846-8260
Vinyl chloride	U	0.002 mg/L	SW846-8260

**MW181**

**C746S-96**

**C-746S&T Landfill Monitoring C746S-96**

**5082-96**

Collected: 1/9/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		54.5	mg/L			IN7120
Nitrate as Nitrogen		1.3	mg/L			IN7120
Total Organic Carbon (TOC)	X	1	mg/L			W-150
Total Organic Halides (TOX)		0.009	mg/L			SW846-9020
<b>Field P</b>						
Depth to Water		46.81	ft			
Dissolved Oxygen		4.71	mg/L			
pH		5.9	Std Unit			
Temperature		58	deg F			
<b>METAL</b>						
Antimony	U	0.003	mg/L			SW846-7041
Barium		0.234	mg/L			SW846-6010
Beryllium	U	0.002	mg/L			SW846-6010
Cadmium	U	0.005	mg/L			SW846-7131
Chromium		0.054	mg/L			SW846-6010
Cobalt	U	0.022	mg/L			SW846-6010
Copper	U	0.012	mg/L			SW846-6010
Iron		6.3	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Nickel	U	0.05	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	U	0.03	mg/L			SW846-6010
Sodium	N	51	mg/L			SW846-6010
Thallium	U	0.002	mg/L			SW846-7841
Uranium	U	0.001	mg/L			IN7105
Vanadium		0.104	mg/L			SW846-6010
Zinc	U	0.015	mg/L			SW846-6010
<b>METAL-D</b>						
Barium		0.153	mg/L			SW846-6010
Chromium	U	0.03	mg/L			SW846-6010
Cobalt	U	0.045	mg/L			SW846-6010
Copper	U	0.025	mg/L			SW846-6010
Iron	N*U	0.355	mg/L			SW846-6010
Nickel	U	0.1	mg/L			SW846-6010
Silver	U	0.06	mg/L			SW846-6010
Sodium	N	44.4	mg/L			SW846-6010
Vanadium		0.081	mg/L			SW846-6010
Zinc	U	0.03	mg/L			SW846-6010
<b>PHYSIC</b>						
Chemical Oxygen Demand (COD)	<	5	mg/L			W-40
Dissolved Solids		295	mg/L			IN7475
Specific Conductivity (PIP)		511	umho/cm			IN7125
Turbidity		78	NTU			IN7490
<b>RADS</b>						
Alpha activity	U	1000	pCi/L			R-56
Alpha activity		2.3	pCi/L	1		R-4
Beta activity	U	1000	pCi/L			R-56
Beta activity		140	pCi/L	11		R-4
Technetium-99		222	pCi/L	17		RL-7100

## MW181

## C746S-96

## C-746S&amp;T Landfill Monitoring C746S-96

SVOA				
1,2-Dichlorobenzene	U	0.005	mg/L	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L	SW846-8260
VOA				
1,1,1,2-Tetrachloroethane	U	0.005	mg/L	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	SW846-8260
2-Butanone	U	0.005	mg/L	SW846-8260
2-Chloroethyl vinyl ether	U	0.005	mg/L	SW846-8260
2-Hexanone	U	0.005	mg/L	SW846-8260
4-Methyl-2-pentanone	U	0.005	mg/L	SW846-8260
Acetone	U	0.005	mg/L	SW846-8260
Benzene	U	0.005	mg/L	SW846-8260
Bromochloromethane	U	0.005	mg/L	SW846-8260
Bromodichloromethane	U	0.005	mg/L	SW846-8260
Bromoform	U	0.005	mg/L	SW846-8260
Bromomethane	U	0.005	mg/L	SW846-8260
Carbon disulfide	U	0.005	mg/L	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	SW846-8260
Chlorobenzene	U	0.005	mg/L	SW846-8260
Chloroethane	U	0.005	mg/L	SW846-8260
Chloromethane	U	0.005	mg/L	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Dibromochloromethane	U	0.005	mg/L	SW846-8260
Dibromomethane	U	0.005	mg/L	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	SW846-8260
Ethyl methacrylate	U	0.005	mg/L	SW846-8260
Ethylbenzene	U	0.005	mg/L	SW846-8260
Iodomethane	U	0.005	mg/L	SW846-8260
Methylene chloride	U	0.005	mg/L	SW846-8260
Styrene	U	0.005	mg/L	SW846-8260
Tetrachloroethene	U	0.005	mg/L	SW846-8260
Toluene	U	0.005	mg/L	SW846-8260
Total Xylene	U	0.01	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L	SW846-8260
Trichloroethene	U	0.001	mg/L	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L	SW846-8260
Vinyl acetate	U	0.005	mg/L	SW846-8260
Vinyl chloride	U	0.002	mg/L	SW846-8260



**MW181**

**C746S-96**

**C-746S&T Landfill Monitoring C746S-96**

**5083-96**

Collected: 1/9/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)		1	mg/L			W-150
Total Organic Halides (TOX)		0.006	mg/L			SW846-9020
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		511	umho/cm			IN7125

**5084-96**

Collected: 1/9/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)		1	mg/L			W-150
Total Organic Halides (TOX)		0.009	mg/L			SW846-9020
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		510	umho/cm			IN7125

**5085-96**

Collected: 1/9/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)		0.008	mg/L			SW846-9020
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		513	umho/cm			IN7125

**MW181**  
**C746S-96**  
**5508-96**

**C-746S&T Landfill Monitoring C746S-96**

Collected: 3/5/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		46.93	ft			
Dissolved Oxygen		3.92	mg/L			
pH		5.8	Std Unit			
Temperature		58	deg F			
<b>METAL</b>						
Chromium		0.062	mg/L			SW846-6010
Vanadium		0.088	mg/L			SW846-6010
<b>METAL-D</b>						
Chromium	U	0.03	mg/L			SW846-6010
Vanadium		0.074	mg/L			SW846-6010
<b>VOA</b>						
Acrolein	U	0.005	mg/L			SW846-8030
Acrylonitrile	U	0.005	mg/L			SW846-8030
Ethanol	U	0.25	mg/L			SW846-8015

MW181

C746S-96

C-746S&T Landfill Monitoring C746S-96

5729-96

Collected: 4/8/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		43.9	mg/L			IN7120
Nitrate as Nitrogen		1.9	mg/L			IN7120
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)	U	0.025	mg/L			SW846-9020
<b>Field P</b>						
Depth to Water		46.11	ft			
Dissolved Oxygen		5.49	mg/L			
pH		6.1	Std Unit			
Specific Conductivity (PIP)		403	umho/cm			
Temperature		57	deg F			
<b>METAL</b>						
Barium		0.174	mg/L			SW846-6010
Beryllium	U	0.025	mg/L			SW846-6010
Cadmium	NU	0.005	mg/L			SW846-7131
Chromium		0.199	mg/L			SW846-6010
Cobalt	U	0.1	mg/L			SW846-6010
Copper	U	0.1	mg/L			SW846-6010
Iron		3.61	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Nickel		0.138	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	U	0.05	mg/L			SW846-6010
Sodium	N	46.3	mg/L			SW846-6010
Thallium	U	0.3	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Vanadium	U	0.5	mg/L			SW846-6010
Zinc	U	0.5	mg/L			SW846-6010
<b>METAL-D</b>						
Chromium	U	0.05	mg/L			SW846-6010
<b>PHYSC</b>						
Chemical Oxygen Demand (COD)	<	5	mg/L			W-40
Dissolved Solids		261	mg/L			IN7475
Turbidity		38	NTU			IN7490
<b>RADS</b>						
Alpha activity		0.5	pCi/L	0.3		RL-7122
Beta activity		28	pCi/L	4		RL-7122
Technetium-99		40	pCi/L	11		RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L			SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L			SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1-Dichloroethane	U	0.005	mg/L			SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L			SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L			SW846-8260
1,2-Dibromoethane	U	0.005	mg/L			SW846-8260

**MW181****C746S-96****C-746S&T Landfill Monitoring C746S-96**

1,2-Dichloroethane	U	0.005 mg/L	SW846-8260
1,2-Dichloropropane	U	0.005 mg/L	SW846-8260
2-Butanone	U	0.005 mg/L	SW846-8260
2-Chloroethyl vinyl ether	U	0.005 mg/L	SW846-8260
2-Hexanone	U	0.005 mg/L	SW846-8260
4-Methyl-2-pentanone	U	0.005 mg/L	SW846-8260
Acetone	U	0.005 mg/L	SW846-8260
Acrolein	U	0.005 mg/L	SW846-8030
Acrylonitrile	U	0.005 mg/L	SW846-8030
Benzene	U	0.005 mg/L	SW846-8260
Bromochloromethane	U	0.005 mg/L	SW846-8260
Bromodichloromethane	U	0.005 mg/L	SW846-8260
Bromoform	U	0.005 mg/L	SW846-8260
Bromomethane	U	0.005 mg/L	SW846-8260
Carbon disulfide	U	0.005 mg/L	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	SW846-8260
Chlorobenzene	U	0.005 mg/L	SW846-8260
Chloroethane	U	0.005 mg/L	SW846-8260
Chloromethane	U	0.005 mg/L	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	SW846-8260
Dibromochloromethane	U	0.005 mg/L	SW846-8260
Dibromomethane	U	0.005 mg/L	SW846-8260
Dichlorodifluoromethane	U	0.005 mg/L	SW846-8260
Ethanol	U	0.25 mg/L	SW846-8015
Ethyl methacrylate	U	0.005 mg/L	SW846-8260
Ethylbenzene	U	0.005 mg/L	SW846-8260
Iodomethane	U	0.005 mg/L	SW846-8260
Methylene chloride	U	0.005 mg/L	SW846-8260
Styrene	U	0.005 mg/L	SW846-8260
Tetrachloroethene	U	0.005 mg/L	SW846-8260
Toluene	U	0.005 mg/L	SW846-8260
Total Xylene	U	0.01 mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	SW846-8260
Trichloroethene	U	0.001 mg/L	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	SW846-8260
Vinyl acetate	U	0.005 mg/L	SW846-8260
Vinyl chloride	U	0.002 mg/L	SW846-8260

MW181

C746S-96

C-746S&T Landfill Monitoring C746S-96

5968-96

Collected: 7/15/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		40.9	mg/L			IN7120
Nitrate as Nitrogen		2.2	mg/L			IN7120
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)	U	0.025	mg/L			SW846-9020
<b>Field P</b>						
Depth to Water		41.64	ft			
Dissolved Oxygen		5.92	mg/L			
pH		5.9	Std Unit			
Specific Conductivity (PIP)		379	umho/cm			
Temperature		65	deg F			
<b>METAL</b>						
Barium		0.189	mg/L			SW846-6010
Beryllium	U	0.025	mg/L			SW846-6010
Cadmium	UBN	0.005	mg/L			SW846-7131
Chromium		0.321	mg/L			SW846-6010
Chromium		0.287	mg/L			SW846-6010
Cobalt	U	0.1	mg/L			SW846-6010
Copper	U	0.1	mg/L			SW846-6010
Iron		6.38	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Nickel		0.196	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	U	0.05	mg/L			SW846-6010
Sodium	N	38.9	mg/L			SW846-6010
Thallium	U	0.4	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Vanadium	U	0.25	mg/L			SW846-6010
Zinc	U	0.25	mg/L			SW846-6010
<b>METAL-D</b>						
Barium		0.136	mg/L			SW846-6010
Chromium	U	0.05	mg/L			SW846-6010
<b>PHYSC</b>						
Chemical Oxygen Demand (COD)	<	5	mg/L			IN7430
Dissolved Solids		228	mg/L			IN7475
Turbidity		100	NTU			IN7490
<b>RADS</b>						
Alpha activity		-6.8	pCi/L	-2.8		RL-7122
Beta activity		31	pCi/L	4		RL-7122
Technetium-99		44	pCi/L	12		RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L			SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L			SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1-Dichloroethane	U	0.005	mg/L			SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L			SW846-8260

**MW181****C746S-96****C-746S&T Landfill Monitoring C746S-96**

1,2-Dibromo-3-chloropropane	U	0.005 mg/L	SW846-8260
1,2-Dibromoethane	U	0.005 mg/L	SW846-8260
1,2-Dichloroethane	U	0.005 mg/L	SW846-8260
1,2-Dichloropropane	U	0.005 mg/L	SW846-8260
2-Butanone	U	0.005 mg/L	SW846-8260
2-Chloroethyl vinyl ether	U	0.005 mg/L	SW846-8260
2-Hexanone	U	0.005 mg/L	SW846-8260
4-Methyl-2-pentanone	U	0.005 mg/L	SW846-8260
Acetone	U	0.005 mg/L	SW846-8260
Acrolein	U	0.005 mg/L	SW846-8030
Acrylonitrile	U	0.005 mg/L	SW846-8030
Benzene	U	0.005 mg/L	SW846-8260
Bromochloromethane	U	0.005 mg/L	SW846-8260
Bromodichloromethane	U	0.005 mg/L	SW846-8260
Bromoform	U	0.005 mg/L	SW846-8260
Bromomethane	U	0.005 mg/L	SW846-8260
Carbon disulfide	U	0.005 mg/L	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	SW846-8260
Chlorobenzene	U	0.005 mg/L	SW846-8260
Chloroethane	U	0.005 mg/L	SW846-8260
Chloromethane	U	0.005 mg/L	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	SW846-8260
Dibromochloromethane	U	0.005 mg/L	SW846-8260
Dibromomethane	U	0.005 mg/L	SW846-8260
Dichlorodifluoromethane	U	0.005 mg/L	SW846-8260
Ethanol	U	0.25 mg/L	SW846-8015
Ethyl methacrylate	U	0.005 mg/L	SW846-8260
Ethylbenzene	U	0.005 mg/L	SW846-8260
Iodomethane	U	0.005 mg/L	SW846-8260
Methylene chloride	U	0.005 mg/L	SW846-8260
Styrene	U	0.005 mg/L	SW846-8260
Tetrachloroethene	U	0.005 mg/L	SW846-8260
Toluene	U	0.005 mg/L	SW846-8260
Total Xylene	U	0.01 mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	SW846-8260
Trichloroethene	U	0.001 mg/L	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	SW846-8260
Vinyl acetate	U	0.005 mg/L	SW846-8260
Vinyl chloride	U	0.002 mg/L	SW846-8260

**MW220**

**C746S-96**

**C-746S&T Landfill Monitoring C746S-96**

**5086-96**

Collected: 1/9/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		31.4	mg/L			IN7120
Nitrate as Nitrogen		1.6	mg/L			IN7120
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)		0.008	mg/L			SW846-9020
<b>Field P</b>						
Depth to Water		57.05	ft			
Dissolved Oxygen		4.72	mg/L			
pH		6.1	Std Unit			
Temperature		58	deg F			
<b>METAL</b>						
Antimony	U	0.003	mg/L			SW846-7041
Barium		0.218	mg/L			SW846-6010
Beryllium	U	0.002	mg/L			SW846-6010
Cadmium	U	0.005	mg/L			SW846-7131
Chromium	U	0.03	mg/L			SW846-6010
Cobalt	U	0.022	mg/L			SW846-6010
Copper	U	0.012	mg/L			SW846-6010
Iron		0.845	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Nickel		0.15	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	U	0.03	mg/L			SW846-6010
Sodium	N	36.8	mg/L			SW846-6010
Thallium	U	0.002	mg/L			SW846-7841
Uranium	U	0.001	mg/L			IN7105
Vanadium		0.061	mg/L			SW846-6010
Zinc	U	0.015	mg/L			SW846-6010
<b>METAL-D</b>						
Barium		0.185	mg/L			SW846-6010
Chromium	U	0.06	mg/L			SW846-6010
Cobalt	U	0.045	mg/L			SW846-6010
Copper	U	0.025	mg/L			SW846-6010
Iron	N*U	0.355	mg/L			SW846-6010
Nickel		0.146	mg/L			SW846-6010
Silver	U	0.06	mg/L			SW846-6010
Sodium	N	33.9	mg/L			SW846-6010
Vanadium		0.059	mg/L			SW846-6010
Zinc	U	0.03	mg/L			SW846-6010
<b>PHYSIC</b>						
Chemical Oxygen Demand (COD)	<	5	mg/L			W-40
Dissolved Solids		210	mg/L			IN7475
Specific Conductivity (PIP)		362	umho/cm			IN7125
Turbidity		11	NTU			IN7490
<b>RADS</b>						
Alpha activity	U	1000	pCi/L			R-56
Alpha activity		2.2	pCi/L	1.2		R-4
Beta activity		8	pCi/L	1		R-4
Beta activity	U	1000	pCi/L			R-56
Technetium-99		0	pCi/L	0		RL-7100

## MW220

## C746S-96

## C-746S&amp;T Landfill Monitoring C746S-96

SVOA				
1,2-Dichlorobenzene	U	0.005	mg/L	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L	SW846-8260
VOA				
1,1,1,2-Tetrachloroethane	U	0.005	mg/L	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	SW846-8260
2-Butanone	U	0.005	mg/L	SW846-8260
2-Chloroethyl vinyl ether	U	0.005	mg/L	SW846-8260
2-Hexanone	U	0.005	mg/L	SW846-8260
4-Methyl-2-pentanone	U	0.005	mg/L	SW846-8260
Acetone	U	0.005	mg/L	SW846-8260
Benzene	U	0.005	mg/L	SW846-8260
Bromochloromethane	U	0.005	mg/L	SW846-8260
Bromodichloromethane	U	0.005	mg/L	SW846-8260
Bromoform	U	0.005	mg/L	SW846-8260
Bromomethane	U	0.005	mg/L	SW846-8260
Carbon disulfide	U	0.005	mg/L	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	SW846-8260
Chlorobenzene	U	0.005	mg/L	SW846-8260
Chloroethane	U	0.005	mg/L	SW846-8260
Chloromethane	U	0.005	mg/L	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Dibromochloromethane	U	0.005	mg/L	SW846-8260
Dibromomethane	U	0.005	mg/L	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	SW846-8260
Ethyl methacrylate	U	0.005	mg/L	SW846-8260
Ethylbenzene	U	0.005	mg/L	SW846-8260
Iodomethane	U	0.005	mg/L	SW846-8260
Methylene chloride	U	0.005	mg/L	SW846-8260
Styrene	U	0.005	mg/L	SW846-8260
Tetrachloroethene	U	0.005	mg/L	SW846-8260
Toluene	U	0.005	mg/L	SW846-8260
Total Xylene	U	0.01	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L	SW846-8260
Trichloroethene	U	0.001	mg/L	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L	SW846-8260
Vinyl acetate	U	0.005	mg/L	SW846-8260
Vinyl chloride	U	0.002	mg/L	SW846-8260



**MW220**

**C746S-96**

**C-746S&T Landfill Monitoring C746S-96**

**5087-96**

Collected: 1/9/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)	U	0.005	mg/L			SW846-9020
<b>Field P</b>						
pH		6.1	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		362	umho/cm			IN7125

**5088-96**

Collected: 1/9/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)	U	0.005	mg/L			SW846-9020
<b>Field P</b>						
pH		6.1	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		363	umho/cm			IN7125

**5089-96**

Collected: 1/9/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)	U	0.005	mg/L			SW846-9020
<b>Field P</b>						
pH		6.1	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		362	umho/cm			IN7125

**5509-96**

Collected: 3/6/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		57.85	ft			
Dissolved Oxygen		5.44	mg/L			
pH		6.1	Std Unit			
Temperature		58	deg F			
<b>VOA</b>						
Acrolein	U	0.005	mg/L			SW846-8030
Acrylonitrile	U	0.005	mg/L			SW846-8030
Ethanol	U	0.25	mg/L			SW846-8015

**MW220**

**C746S-96**

**C-746S&T Landfill Monitoring C746S-96**

**5733-96**

Collected: 4/9/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		33.4	mg/L			IN7120
Nitrate as Nitrogen		1.5	mg/L			IN7120
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)	U	0.025	mg/L			SW846-9020
<b>Field P</b>						
Depth to Water		57.05	ft			
Dissolved Oxygen		6.93	mg/L			
pH		6.2	Std Unit			
Specific Conductivity (PIP)		321	umho/cm			
Temperature		56	deg F			
<b>METAL</b>						
Barium		0.264	mg/L			SW846-6010
Beryllium	U	0.025	mg/L			SW846-6010
Cadmium	NU	0.005	mg/L			SW846-7131
Chromium	U	0.05	mg/L			SW846-6010
Cobalt	U	0.1	mg/L			SW846-6010
Copper	U	0.1	mg/L			SW846-6010
Iron		11.1	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Nickel		0.55	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	U	0.05	mg/L			SW846-6010
Sodium	N	36.7	mg/L			SW846-6010
Thallium	U	0.3	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Vanadium	U	0.5	mg/L			SW846-6010
Zinc	U	0.5	mg/L			SW846-6010
<b>PHYSC</b>						
Chemical Oxygen Demand (COD)	<	5	mg/L			W-40
Dissolved Solids		224	mg/L			IN7475
Turbidity		96	NTU			IN7490
<b>RADS</b>						
Alpha activity		-0.5	pCi/L	-0.4		RL-7122
Beta activity		6	pCi/L	1		RL-7122
Technetium-99		2	pCi/L	10		RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L			SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L			SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1-Dichloroethane	U	0.005	mg/L			SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L			SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L			SW846-8260
1,2-Dibromoethane	U	0.005	mg/L			SW846-8260
1,2-Dichloroethane	U	0.005	mg/L			SW846-8260
1,2-Dichloropropane	U	0.005	mg/L			SW846-8260

**MW220****C746S-96****C-746S&T Landfill Monitoring C746S-96**

2-Butanone	U	0.005	mg/L	SW846-8260
2-Chloroethyl vinyl ether	U	0.005	mg/L	SW846-8260
2-Hexanone	U	0.005	mg/L	SW846-8260
4-Methyl-2-pentanone	U	0.005	mg/L	SW846-8260
Acetone	U	0.005	mg/L	SW846-8260
Acrolein	U	0.005	mg/L	SW846-8030
Acrylonitrile	U	0.005	mg/L	SW846-8030
Benzene	U	0.005	mg/L	SW846-8260
Bromochloromethane	U	0.005	mg/L	SW846-8260
Bromodichloromethane	U	0.005	mg/L	SW846-8260
Bromoform	U	0.005	mg/L	SW846-8260
Bromomethane	U	0.005	mg/L	SW846-8260
Carbon disulfide	U	0.005	mg/L	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	SW846-8260
Chlorobenzene	U	0.005	mg/L	SW846-8260
Chloroethane	U	0.005	mg/L	SW846-8260
Chloromethane	U	0.005	mg/L	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Dibromochloromethane	U	0.005	mg/L	SW846-8260
Dibromomethane	U	0.005	mg/L	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	SW846-8260
Ethanol	U	0.25	mg/L	SW846-8015
Ethyl methacrylate	U	0.005	mg/L	SW846-8260
Ethylbenzene	U	0.005	mg/L	SW846-8260
Iodomethane	U	0.005	mg/L	SW846-8260
Methylene chloride	U	0.005	mg/L	SW846-8260
Styrene	U	0.005	mg/L	SW846-8260
Tetrachloroethene	U	0.005	mg/L	SW846-8260
Toluene	U	0.005	mg/L	SW846-8260
Total Xylene	U	0.01	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L	SW846-8260
Trichloroethene	U	0.001	mg/L	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L	SW846-8260
Vinyl acetate	U	0.005	mg/L	SW846-8260
Vinyl chloride	U	0.002	mg/L	SW846-8260

## MW220

## C746S-96

## C-746S&amp;T Landfill Monitoring C746S-96

## 5969-96

Collected: 7/15/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		32.7	mg/L			IN7120
Nitrate as Nitrogen		1.6	mg/L			IN7120
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)	U	0.025	mg/L			SW846-9020
<b>Field P</b>						
Depth to Water		51.81	ft			
Dissolved Oxygen		7.13	mg/L			
pH		6.1	Std Unit			
Specific Conductivity (PIP)		340	umho/cm			
Temperature		65	deg F			
<b>METAL</b>						
Barium		0.205	mg/L			SW846-6010
Beryllium	U	0.025	mg/L			SW846-6010
Cadmium	U	0.005	mg/L			SW846-7131
Chromium	U	0.05	mg/L			SW846-6010
Chromium	U	0.006	mg/L			SW846-6010
Cobalt	U	0.1	mg/L			SW846-6010
Copper	U	0.1	mg/L			SW846-6010
Iron	U	0.3	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Nickel		0.285	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	U	0.05	mg/L			SW846-6010
Sodium	N	33.8	mg/L			SW846-6010
Thallium	U	0.4	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Vanadium	U	0.25	mg/L			SW846-6010
Zinc	U	0.25	mg/L			SW846-6010
<b>METAL-D</b>						
Barium		0.191	mg/L			SW846-6010
<b>PHYSC</b>						
Chemical Oxygen Demand (COD)	<	5	mg/L			IN7430
Dissolved Solids		210	mg/L			IN7475
Turbidity		1.6	NTU			IN7490
<b>RADS</b>						
Alpha activity		0.8	pCi/L	0.5		RL-7122
Beta activity		5	pCi/L	1		RL-7122
Technetium-99		16	pCi/L	11		RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L			SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L			SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1-Dichloroethane	U	0.005	mg/L			SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L			SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L			SW846-8260

**MW220****C746S-96****C-746S&T Landfill Monitoring C746S-96**

1,2-Dibromoethane	U	0.005 mg/L	SW846-8260
1,2-Dichloroethane	U	0.005 mg/L	SW846-8260
1,2-Dichloropropane	U	0.005 mg/L	SW846-8260
2-Butanone	U	0.005 mg/L	SW846-8260
2-Chloroethyl vinyl ether	U	0.005 mg/L	SW846-8260
2-Hexanone	U	0.005 mg/L	SW846-8260
4-Methyl-2-pentanone	U	0.005 mg/L	SW846-8260
Acetone	U	0.005 mg/L	SW846-8260
Acrolein	U	0.005 mg/L	SW846-8030
Acrylonitrile	U	0.005 mg/L	SW846-8030
Benzene	U	0.005 mg/L	SW846-8260
Bromochloromethane	U	0.005 mg/L	SW846-8260
Bromodichloromethane	U	0.005 mg/L	SW846-8260
Bromoform	U	0.005 mg/L	SW846-8260
Bromomethane	U	0.005 mg/L	SW846-8260
Carbon disulfide	U	0.005 mg/L	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	SW846-8260
Chlorobenzene	U	0.005 mg/L	SW846-8260
Chloroethane	U	0.005 mg/L	SW846-8260
Chloromethane	U	0.005 mg/L	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	SW846-8260
Dibromochloromethane	U	0.005 mg/L	SW846-8260
Dibromomethane	U	0.005 mg/L	SW846-8260
Dichlorodifluoromethane	U	0.005 mg/L	SW846-8260
Ethanol	U	0.25 mg/L	SW846-8015
Ethyl methacrylate	U	0.005 mg/L	SW846-8260
Ethylbenzene	U	0.005 mg/L	SW846-8260
Iodomethane	U	0.005 mg/L	SW846-8260
Methylene chloride	U	0.005 mg/L	SW846-8260
Styrene	U	0.005 mg/L	SW846-8260
Tetrachloroethene	U	0.005 mg/L	SW846-8260
Toluene	U	0.005 mg/L	SW846-8260
Total Xylene	U	0.01 mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	SW846-8260
Trichloroethene	U	0.001 mg/L	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	SW846-8260
Vinyl acetate	U	0.005 mg/L	SW846-8260
Vinyl chloride	U	0.002 mg/L	SW846-8260

**MW221**

**C746S-96**

**C-746S&T Landfill Monitoring C746S-96**

**5090-96**

Collected: 1/9/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		45.2	mg/L			IN7120
Nitrate as Nitrogen		1.7	mg/L			IN7120
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)	U	0.005	mg/L			SW846-9020
<b>Field P</b>						
Depth to Water		66.99	ft			
Dissolved Oxygen		6.06	mg/L			
pH		6.2	Std Unit			
Temperature		58	deg F			
<b>METAL</b>						
Antimony	U	0.003	mg/L			SW846-7041
Barium		0.242	mg/L			SW846-6010
Beryllium	U	0.002	mg/L			SW846-6010
Cadmium	U	0.005	mg/L			SW846-7131
Chromium	U	0.03	mg/L			SW846-6010
Cobalt	U	0.022	mg/L			SW846-6010
Copper	U	0.012	mg/L			SW846-6010
Iron	U	0.178	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Nickel	U	0.05	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	U	0.03	mg/L			SW846-6010
Sodium	N	41.5	mg/L			SW846-6010
Thallium	U	0.002	mg/L			SW846-7841
Uranium	U	0.001	mg/L			IN7105
Vanadium		0.064	mg/L			SW846-6010
Zinc	U	0.015	mg/L			SW846-6010
<b>METAL-D</b>						
Barium		0.22	mg/L			SW846-6010
Chromium	U	0.06	mg/L			SW846-6010
Cobalt	U	0.045	mg/L			SW846-6010
Copper	U	0.025	mg/L			SW846-6010
Iron	N*U	0.355	mg/L			SW846-6010
Nickel	U	0.1	mg/L			SW846-6010
Silver	U	0.06	mg/L			SW846-6010
Sodium	N	40.8	mg/L			SW846-6010
Vanadium		0.072	mg/L			SW846-6010
Zinc	U	0.03	mg/L			SW846-6010
<b>PHYSIC</b>						
Chemical Oxygen Demand (COD)		7	mg/L			W-40
Dissolved Solids		237	mg/L			IN7475
Specific Conductivity (PIP)		422	umho/cm			IN7125
Turbidity		0.51	NTU			IN7490
<b>RADS</b>						
Alpha activity	U	1000	pCi/L			R-56
Alpha activity		1.5	pCi/L	1		R-4
Beta activity	U	1000	pCi/L			R-56
Beta activity		3	pCi/L	1		R-4
Technetium-99		0	pCi/L	0		RL-7100

**MW221****C746S-96****C-746S&T Landfill Monitoring C746S-96**

<b>SVOA</b>				
1,2-Dichlorobenzene	U	0.005	mg/L	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L	SW846-8260
<b>VOA</b>				
1,1,1,2-Tetrachloroethane	U	0.005	mg/L	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	SW846-8260
2-Butanone	U	0.005	mg/L	SW846-8260
2-Chloroethyl vinyl ether	U	0.005	mg/L	SW846-8260
2-Hexanone	U	0.005	mg/L	SW846-8260
4-Methyl-2-pentanone	U	0.005	mg/L	SW846-8260
Acetone	U	0.005	mg/L	SW846-8260
Benzene	U	0.005	mg/L	SW846-8260
Bromochloromethane	U	0.005	mg/L	SW846-8260
Bromodichloromethane	U	0.005	mg/L	SW846-8260
Bromoform	U	0.005	mg/L	SW846-8260
Bromomethane	U	0.005	mg/L	SW846-8260
Carbon disulfide	U	0.005	mg/L	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	SW846-8260
Chlorobenzene	U	0.005	mg/L	SW846-8260
Chloroethane	U	0.005	mg/L	SW846-8260
Chloromethane	U	0.005	mg/L	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Dibromochloromethane	U	0.005	mg/L	SW846-8260
Dibromomethane	U	0.005	mg/L	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	SW846-8260
Ethyl methacrylate	U	0.005	mg/L	SW846-8260
Ethylbenzene	U	0.005	mg/L	SW846-8260
Iodomethane	U	0.005	mg/L	SW846-8260
Methylene chloride	U	0.005	mg/L	SW846-8260
Styrene	U	0.005	mg/L	SW846-8260
Tetrachloroethene	U	0.005	mg/L	SW846-8260
Toluene	U	0.005	mg/L	SW846-8260
Total Xylene	U	0.01	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L	SW846-8260
Trichloroethene		0.004	mg/L	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L	SW846-8260
Vinyl acetate	U	0.005	mg/L	SW846-8260
Vinyl chloride	U	0.002	mg/L	SW846-8260

**MW221**

**C746S-96**

**C-746S&T Landfill Monitoring C746S-96**

**5091-96**

Collected: 1/9/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)	U	0.005	mg/L			SW846-9020
<b>Field P</b>						
pH		6.2	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		422	umho/cm			IN7125

**5092-96**

Collected: 1/9/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)	U	0.005	mg/L			SW846-9020
<b>Field P</b>						
pH		6.2	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		421	umho/cm			IN7125

**5093-96**

Collected: 1/9/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)	U	0.005	mg/L			SW846-9020
<b>Field P</b>						
pH		6.2	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		419	umho/cm			IN7125

**5510-96**

Collected: 3/5/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		67.42	ft			
Dissolved Oxygen		5.7	mg/L			
pH		6	Std Unit			
Temperature		59	deg F			
<b>VOA</b>						
Acrolein	U	0.005	mg/L			SW846-8030
Acrylonitrile	U	0.005	mg/L			SW846-8030
Ethanol	U	0.25	mg/L			SW846-8015



MW221

C746S-96

C-746S&amp;T Landfill Monitoring C746S-96

5737-96

Collected: 4/9/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		45.2	mg/L			IN7120
Nitrate as Nitrogen		1.6	mg/L			IN7120
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)	U	0.025	mg/L			SW846-9020
<b>Field P</b>						
Depth to Water		65.77	ft			
Dissolved Oxygen		6.52	mg/L			
pH		6.1	Std Unit			
Specific Conductivity (PIP)		408	umho/cm			
Temperature		56	deg F			
<b>METAL</b>						
Barium		0.257	mg/L			SW846-6010
Beryllium	U	0.025	mg/L			SW846-6010
Cadmium	NU	0.005	mg/L			SW846-7131
Chromium		0.17	mg/L			SW846-6010
Cobalt	U	0.1	mg/L			SW846-6010
Copper	U	0.1	mg/L			SW846-6010
Iron		1.23	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Nickel		0.159	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	U	0.05	mg/L			SW846-6010
Sodium	N	45.9	mg/L			SW846-6010
Thallium	U	0.3	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Vanadium	U	0.5	mg/L			SW846-6010
Zinc	U	0.5	mg/L			SW846-6010
<b>METAL-D</b>						
Barium		0.226	mg/L			SW846-6010
Chromium	U	0.025	mg/L			SW846-6010
<b>PHYSC</b>						
Chemical Oxygen Demand (COD)	<	5	mg/L			W-40
Dissolved Solids		247	mg/L			IN7475
Turbidity		11	NTU			IN7490
<b>RADS</b>						
Alpha activity		-1.6	pCi/L	-1.6		RL-7122
Beta activity		8	pCi/L	1		RL-7122
Technetium-99		8	pCi/L	10		RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L			SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L			SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1-Dichloroethane	U	0.005	mg/L			SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L			SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L			SW846-8260

## MW221

## C746S-96

## C-746S&amp;T Landfill Monitoring C746S-96

1,2-Dibromoethane	U	0.005 mg/L	SW846-8260
1,2-Dichloroethane	U	0.005 mg/L	SW846-8260
1,2-Dichloropropane	U	0.005 mg/L	SW846-8260
2-Butanone	U	0.005 mg/L	SW846-8260
2-Chloroethyl vinyl ether	U	0.005 mg/L	SW846-8260
2-Hexanone	U	0.005 mg/L	SW846-8260
4-Methyl-2-pentanone	U	0.005 mg/L	SW846-8260
Acetone	U	0.005 mg/L	SW846-8260
Acrolein	U	0.005 mg/L	SW846-8030
Acrylonitrile	U	0.005 mg/L	SW846-8030
Benzene	U	0.005 mg/L	SW846-8260
Bromochloromethane	U	0.005 mg/L	SW846-8260
Bromodichloromethane	U	0.005 mg/L	SW846-8260
Bromoform	U	0.005 mg/L	SW846-8260
Bromomethane	U	0.005 mg/L	SW846-8260
Carbon disulfide	U	0.005 mg/L	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	SW846-8260
Chlorobenzene	U	0.005 mg/L	SW846-8260
Chloroethane	U	0.005 mg/L	SW846-8260
Chloromethane	U	0.005 mg/L	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	SW846-8260
Dibromochloromethane	U	0.005 mg/L	SW846-8260
Dibromomethane	U	0.005 mg/L	SW846-8260
Dichlorodifluoromethane	U	0.005 mg/L	SW846-8260
Ethanol	U	0.25 mg/L	SW846-8015
Ethyl methacrylate	U	0.005 mg/L	SW846-8260
Ethylbenzene	U	0.005 mg/L	SW846-8260
Iodomethane	U	0.005 mg/L	SW846-8260
Methylene chloride	U	0.005 mg/L	SW846-8260
Styrene	U	0.005 mg/L	SW846-8260
Tetrachloroethene	U	0.005 mg/L	SW846-8260
Toluene	U	0.005 mg/L	SW846-8260
Total Xylene	U	0.01 mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	SW846-8260
Trichloroethene		0.004 mg/L	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	SW846-8260
Vinyl acetate	U	0.005 mg/L	SW846-8260
Vinyl chloride	U	0.002 mg/L	SW846-8260

MW221

C746S-96

C-746S&amp;T Landfill Monitoring C746S-96

5970-96

Collected: 7/16/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		45.8	mg/L			IN7120
Nitrate as Nitrogen		1.5	mg/L			IN7120
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)	U	0.025	mg/L			SW846-9020
<b>Field P</b>						
Depth to Water		61.61	ft			
Dissolved Oxygen		11.5	mg/L			
pH		6.5	Std Unit			
Specific Conductivity (PIP)		414	umho/cm			
Temperature		65	deg F			
<b>METAL</b>						
Barium		0.239	mg/L			SW846-6010
Beryllium	U	0.025	mg/L			SW846-6010
Cadmium	U	0.005	mg/L			SW846-7131
Chromium		0.067	mg/L			SW846-6010
Chromium		0.0809	mg/L			SW846-6010
Cobalt	U	0.1	mg/L			SW846-6010
Copper	U	0.1	mg/L			SW846-6010
Iron		0.62	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Nickel		0.208	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	U	0.05	mg/L			SW846-6010
Sodium	N	43	mg/L			SW846-6010
Thallium	U	0.4	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Vanadium	U	0.25	mg/L			SW846-6010
Zinc	U	0.25	mg/L			SW846-6010
<b>METAL-D</b>						
Barium		0.216	mg/L			SW846-6010
Chromium	U	0.05	mg/L			SW846-6010
<b>PHYSC</b>						
Chemical Oxygen Demand (COD)	<	5	mg/L			IN7430
Dissolved Solids		238	mg/L			IN7475
Turbidity		5.5	NTU			IN7490
<b>RADS</b>						
Alpha activity		2.8	pCi/L	1.4		RL-7122
Beta activity		6	pCi/L	0		RL-7122
Technetium-99		3	pCi/L	10		RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L			SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L			SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1-Dichloroethane	U	0.005	mg/L			SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L			SW846-8260

**MW221****C746S-96****C-746S&T Landfill Monitoring C746S-96**

1,2-Dibromo-3-chloropropane	U	0.005 mg/L	SW846-8260
1,2-Dibromoethane	U	0.005 mg/L	SW846-8260
1,2-Dichloroethane	U	0.005 mg/L	SW846-8260
1,2-Dichloropropane	U	0.005 mg/L	SW846-8260
2-Butanone	U	0.005 mg/L	SW846-8260
2-Chloroethyl vinyl ether	U	0.005 mg/L	SW846-8260
2-Hexanone	U	0.005 mg/L	SW846-8260
4-Methyl-2-pentanone	U	0.005 mg/L	SW846-8260
Acetone	U	0.005 mg/L	SW846-8260
Acrolein	U	0.005 mg/L	SW846-8030
Acrylonitrile	U	0.005 mg/L	SW846-8030
Benzene	U	0.005 mg/L	SW846-8260
Bromochloromethane	U	0.005 mg/L	SW846-8260
Bromodichloromethane	U	0.005 mg/L	SW846-8260
Bromoform	U	0.005 mg/L	SW846-8260
Bromomethane	U	0.005 mg/L	SW846-8260
Carbon disulfide	U	0.005 mg/L	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	SW846-8260
Chlorobenzene	U	0.005 mg/L	SW846-8260
Chloroethane	U	0.005 mg/L	SW846-8260
Chloromethane	U	0.005 mg/L	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	SW846-8260
Dibromochloromethane	U	0.005 mg/L	SW846-8260
Dibromomethane	U	0.005 mg/L	SW846-8260
Dichlorodifluoromethane	U	0.005 mg/L	SW846-8260
Ethanol	U	0.25 mg/L	SW846-8015
Ethyl methacrylate	U	0.005 mg/L	SW846-8260
Ethylbenzene	U	0.005 mg/L	SW846-8260
Iodomethane	U	0.005 mg/L	SW846-8260
Methylene chloride	U	0.005 mg/L	SW846-8260
Styrene	U	0.005 mg/L	SW846-8260
Tetrachloroethene	U	0.005 mg/L	SW846-8260
Toluene	U	0.005 mg/L	SW846-8260
Total Xylene	U	0.01 mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	SW846-8260
Trichloroethene		0.001 mg/L	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	SW846-8260
Vinyl acetate	U	0.005 mg/L	SW846-8260
Vinyl chloride	U	0.002 mg/L	SW846-8260

**MW222**

**C746S-96**

**C-746S&T Landfill Monitoring C746S-96**

**5094-96**

Collected: 1/11/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		27.1	mg/L			IN7120
Nitrate as Nitrogen	U	1	mg/L			IN7120
Total Organic Carbon (TOC)	X	1	mg/L			W-150
Total Organic Halides (TOX)	U	0.005	mg/L			SW846-9020
<b>Field P</b>						
Depth to Water		70.82	ft			
Dissolved Oxygen		3.98	mg/L			
pH		6.2	Std Unit			
Temperature		58	deg F			
<b>METAL</b>						
Antimony	U	0.003	mg/L			SW846-7041
Barium		0.252	mg/L			SW846-6010
Beryllium	U	0.002	mg/L			SW846-6010
Cadmium	U	0.005	mg/L			SW846-7131
Chromium	U	0.03	mg/L			SW846-6010
Cobalt	U	0.022	mg/L			SW846-6010
Copper	U	0.012	mg/L			SW846-6010
Iron		2.8	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Nickel		0.066	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	U	0.03	mg/L			SW846-6010
Sodium	N	43	mg/L			SW846-6010
Thallium	U	0.002	mg/L			SW846-7841
Uranium	U	0.001	mg/L			IN7105
Vanadium		0.055	mg/L			SW846-6010
Zinc		0.018	mg/L			SW846-6010
<b>METAL-D</b>						
Barium		0.212	mg/L			SW846-6010
Chromium	U	0.06	mg/L			SW846-6010
Cobalt	U	0.045	mg/L			SW846-6010
Copper	U	0.025	mg/L			SW846-6010
Iron	N*U	0.355	mg/L			SW846-6010
Nickel	U	0.1	mg/L			SW846-6010
Silver	U	0.06	mg/L			SW846-6010
Sodium	N	41.2	mg/L			SW846-6010
Vanadium		0.045	mg/L			SW846-6010
Zinc		0.052	mg/L			SW846-6010
<b>PHYSC</b>						
Chemical Oxygen Demand (COD)		8	mg/L			W-40
Dissolved Solids		226	mg/L			IN7475
Specific Conductivity (PIP)		340	umho/cm			IN7125
Turbidity		27	NTU			IN7490
<b>RADS</b>						
Alpha activity		4.5	pCi/L	2.5		R-4
Alpha activity	U	1000	pCi/L			R-56
Beta activity	U	1000	pCi/L			R-56
Beta activity		0	pCi/L	0		R-4
Technetium-99		0	pCi/L	0		RL-7100

**MW222****C746S-96****C-746S&T Landfill Monitoring C746S-96**

<b>SVOA</b>				
1,2-Dichlorobenzene	U	0.005	mg/L	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L	SW846-8260
<b>VOA</b>				
1,1,1,2-Tetrachloroethane	U	0.005	mg/L	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	SW846-8260
2-Butanone	U	0.005	mg/L	SW846-8260
2-Chloroethyl vinyl ether	U	0.005	mg/L	SW846-8260
2-Hexanone	U	0.005	mg/L	SW846-8260
4-Methyl-2-pentanone	U	0.005	mg/L	SW846-8260
Acetone	U	0.005	mg/L	SW846-8260
Benzene	U	0.005	mg/L	SW846-8260
Bromochloromethane	U	0.005	mg/L	SW846-8260
Bromodichloromethane	U	0.005	mg/L	SW846-8260
Bromoform	U	0.005	mg/L	SW846-8260
Bromomethane	U	0.005	mg/L	SW846-8260
Carbon disulfide	U	0.005	mg/L	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	SW846-8260
Chlorobenzene	U	0.005	mg/L	SW846-8260
Chloroethane	U	0.005	mg/L	SW846-8260
Chloromethane	U	0.005	mg/L	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Dibromochloromethane	U	0.005	mg/L	SW846-8260
Dibromomethane	U	0.005	mg/L	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	SW846-8260
Ethyl methacrylate	U	0.005	mg/L	SW846-8260
Ethylbenzene	U	0.005	mg/L	SW846-8260
Iodomethane	U	0.005	mg/L	SW846-8260
Methylene chloride	U	0.005	mg/L	SW846-8260
Styrene	U	0.005	mg/L	SW846-8260
Tetrachloroethene	U	0.005	mg/L	SW846-8260
Toluene	U	0.005	mg/L	SW846-8260
Total Xylene	U	0.01	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L	SW846-8260
Trichloroethene	U	0.001	mg/L	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L	SW846-8260
Vinyl acetate	U	0.005	mg/L	SW846-8260
Vinyl chloride	U	0.002	mg/L	SW846-8260

**MW222**

**C746S-96**

**C-746S&T Landfill Monitoring C746S-96**

**5095-96**

Collected: 1/11/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)	U	0.005	mg/L			SW846-9020
<b>Field P</b>						
pH		6.2	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		340	umho/cm			IN7125

**5096-96**

Collected: 1/11/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)	U	0.005	mg/L			SW846-9020
<b>Field P</b>						
pH		6.2	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		340	umho/cm			IN7125

**5097-96**

Collected: 1/11/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)		0.006	mg/L			SW846-9020
<b>Field P</b>						
pH		6.2	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		336	umho/cm			IN7125

**5511-96**

Collected: 3/6/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		71.13	ft			
Dissolved Oxygen		4.9	mg/L			
pH		6.3	Std Unit			
Temperature		59	deg F			
<b>VOA</b>						
Acrolein	U	0.005	mg/L			SW846-8030
Acrylonitrile	U	0.005	mg/L			SW846-8030
Ethanol	U	0.25	mg/L			SW846-8015

MW222

C746S-96

C-746S&T Landfill Monitoring C746S-96

5741-96

Collected: 4/9/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		33.2	mg/L			IN7120
Nitrate as Nitrogen		1.1	mg/L			IN7120
Total Organic Carbon (TOC)		2	mg/L			W-150
Total Organic Halides (TOX)	U	0.025	mg/L			SW846-9020
<b>Field P</b>						
Depth to Water		69.76	ft			
Dissolved Oxygen		6.52	mg/L			
pH		6.6	Std Unit			
Specific Conductivity (PIP)		399	umho/cm			
Temperature		60	deg F			
<b>METAL</b>						
Barium		0.678	mg/L			SW846-6010
Beryllium	U	0.025	mg/L			SW846-6010
Cadmium	NU	0.005	mg/L			SW846-7131
Chromium	U	0.05	mg/L			SW846-6010
Cobalt	U	0.1	mg/L			SW846-6010
Copper	U	0.1	mg/L			SW846-6010
Iron		107	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Nickel		0.355	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	U	0.05	mg/L			SW846-6010
Sodium	N	51.6	mg/L			SW846-6010
Thallium	U	0.3	mg/L			SW846-6010
Uranium		0.002	mg/L			IN7105
Vanadium	U	0.5	mg/L			SW846-6010
Zinc	U	0.5	mg/L			SW846-6010
<b>METAL-D</b>						
Uranium	U	0.001	mg/L			IN7105
<b>PHYSC</b>						
Chemical Oxygen Demand (COD)	<	5	mg/L			W-40
Dissolved Solids		274	mg/L			IN7475
Turbidity		1400	NTU			IN7490
<b>RADS</b>						
Alpha activity		6.4	pCi/L	1.8		RL-7122
Beta activity		7	pCi/L	1		RL-7122
Technetium-99		3	pCi/L	10		RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L			SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L			SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1-Dichloroethane	U	0.005	mg/L			SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L			SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L			SW846-8260
1,2-Dibromoethane	U	0.005	mg/L			SW846-8260



**MW222****C746S-96****C-746S&T Landfill Monitoring C746S-96**

1,2-Dichloroethane	U	0.005 mg/L	SW846-8260
1,2-Dichloropropane	U	0.005 mg/L	SW846-8260
2-Butanone	U	0.005 mg/L	SW846-8260
2-Chloroethyl vinyl ether	U	0.005 mg/L	SW846-8260
2-Hexanone	U	0.005 mg/L	SW846-8260
4-Methyl-2-pentanone	U	0.005 mg/L	SW846-8260
Acetone	U	0.005 mg/L	SW846-8260
Acrolein	U	0.005 mg/L	SW846-8030
Acrylonitrile	U	0.005 mg/L	SW846-8030
Benzene	U	0.005 mg/L	SW846-8260
Bromochloromethane	U	0.005 mg/L	SW846-8260
Bromodichloromethane	U	0.005 mg/L	SW846-8260
Bromoform	U	0.005 mg/L	SW846-8260
Bromomethane	U	0.005 mg/L	SW846-8260
Carbon disulfide	U	0.005 mg/L	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	SW846-8260
Chlorobenzene	U	0.005 mg/L	SW846-8260
Chloroethane	U	0.005 mg/L	SW846-8260
Chloromethane	U	0.005 mg/L	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	SW846-8260
Dibromochloromethane	U	0.005 mg/L	SW846-8260
Dibromomethane	U	0.005 mg/L	SW846-8260
Dichlorodifluoromethane	U	0.005 mg/L	SW846-8260
Ethanol	U	0.25 mg/L	SW846-8015
Ethyl methacrylate	U	0.005 mg/L	SW846-8260
Ethylbenzene	U	0.005 mg/L	SW846-8260
Iodomethane	U	0.005 mg/L	SW846-8260
Methylene chloride	U	0.005 mg/L	SW846-8260
Styrene	U	0.005 mg/L	SW846-8260
Tetrachloroethene	U	0.005 mg/L	SW846-8260
Toluene	U	0.005 mg/L	SW846-8260
Total Xylene	U	0.01 mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	SW846-8260
Trichloroethene	U	0.001 mg/L	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	SW846-8260
Vinyl acetate	U	0.005 mg/L	SW846-8260
Vinyl chloride	U	0.002 mg/L	SW846-8260

MW222

C746S-96

C-746S&T Landfill Monitoring C746S-96

5971-96

Collected: 7/16/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		39.7	mg/L			IN7120
Nitrate as Nitrogen		1.4	mg/L			IN7120
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)	U	0.025	mg/L			SW846-9020
<b>Field P</b>						
Depth to Water		65.55	ft			
Dissolved Oxygen		6.3	mg/L			
pH		6.3	Std Unit			
Specific Conductivity (PIP)		433	umho/cm			
Temperature		68	deg F			
<b>METAL</b>						
Barium		0.311	mg/L			SW846-6010
Beryllium	U	0.025	mg/L			SW846-6010
Cadmium	U	0.005	mg/L			SW846-7131
Chromium	B	0.0142	mg/L			SW846-6010
Chromium	U	0.05	mg/L			SW846-6010
Cobalt	U	0.1	mg/L			SW846-6010
Copper	U	0.1	mg/L			SW846-6010
Iron		9.74	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Nickel		0.49	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	U	0.05	mg/L			SW846-6010
Sodium	N	46.4	mg/L			SW846-6010
Thallium	U	0.4	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Vanadium	U	0.25	mg/L			SW846-6010
Zinc	U	0.25	mg/L			SW846-6010
<b>METAL-D</b>						
Barium		0.288	mg/L			SW846-6010
<b>PHYSC</b>						
Chemical Oxygen Demand (COD)	<	5	mg/L			IN7430
Dissolved Solids		273	mg/L			IN7475
Turbidity		130	NTU			IN7490
<b>RADS</b>						
Alpha activity		-0.3	pCi/L	0		RL-7122
Beta activity		1	pCi/L	0		RL-7122
Technetium-99		6	pCi/L	10		RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L			SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L			SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1-Dichloroethane	U	0.005	mg/L			SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L			SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L			SW846-8260

**MW222****C746S-96****C-746S&T Landfill Monitoring C746S-96**

1,2-Dibromoethane	U	0.005 mg/L	SW846-8260
1,2-Dichloroethane	U	0.005 mg/L	SW846-8260
1,2-Dichloropropane	U	0.005 mg/L	SW846-8260
2-Butanone	U	0.005 mg/L	SW846-8260
2-Chloroethyl vinyl ether	U	0.005 mg/L	SW846-8260
2-Hexanone	U	0.005 mg/L	SW846-8260
4-Methyl-2-pentanone	U	0.005 mg/L	SW846-8260
Acetone	U	0.005 mg/L	SW846-8260
Acrolein	U	0.005 mg/L	SW846-8030
Acrylonitrile	U	0.005 mg/L	SW846-8030
Benzene	U	0.005 mg/L	SW846-8260
Bromochloromethane	U	0.005 mg/L	SW846-8260
Bromodichloromethane	U	0.005 mg/L	SW846-8260
Bromoform	U	0.005 mg/L	SW846-8260
Bromomethane	U	0.005 mg/L	SW846-8260
Carbon disulfide	U	0.005 mg/L	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	SW846-8260
Chlorobenzene	U	0.005 mg/L	SW846-8260
Chloroethane	U	0.005 mg/L	SW846-8260
Chloromethane	U	0.005 mg/L	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	SW846-8260
Dibromochloromethane	U	0.005 mg/L	SW846-8260
Dibromomethane	U	0.005 mg/L	SW846-8260
Dichlorodifluoromethane	U	0.005 mg/L	SW846-8260
Ethanol	U	0.25 mg/L	SW846-8015
Ethyl methacrylate	U	0.005 mg/L	SW846-8260
Ethylbenzene	U	0.005 mg/L	SW846-8260
Iodomethane	U	0.005 mg/L	SW846-8260
Methylene chloride	U	0.005 mg/L	SW846-8260
Styrene	U	0.005 mg/L	SW846-8260
Tetrachloroethene	U	0.005 mg/L	SW846-8260
Toluene	U	0.005 mg/L	SW846-8260
Total Xylene	U	0.01 mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	SW846-8260
Trichloroethene	U	0.001 mg/L	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	SW846-8260
Vinyl acetate	U	0.005 mg/L	SW846-8260
Vinyl chloride	U	0.002 mg/L	SW846-8260

**MW223**

**C746S-96**

**C-746S&T Landfill Monitoring C746S-96**

**5098-96**

Collected: 1/10/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		46.3	mg/L			IN7120
Nitrate as Nitrogen		2.3	mg/L			IN7120
Total Organic Carbon (TOC)	X	1	mg/L			W-150
Total Organic Halides (TOX)	U	0.005	mg/L			SW846-9020
<b>Field P</b>						
Depth to Water		70.48	ft			
Dissolved Oxygen		5.36	mg/L			
pH		6	Std Unit			
Temperature		59	deg F			
<b>METAL</b>						
Antimony	U	0.003	mg/L			SW846-7041
Barium		0.204	mg/L			SW846-6010
Beryllium	U	0.002	mg/L			SW846-6010
Cadmium	U	0.005	mg/L			SW846-7131
Chromium	U	0.03	mg/L			SW846-6010
Cobalt	U	0.022	mg/L			SW846-6010
Copper	U	0.012	mg/L			SW846-6010
Iron	U	0.178	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Nickel		0.082	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	U	0.03	mg/L			SW846-6010
Sodium	N	43.1	mg/L			SW846-6010
Thallium	U	0.002	mg/L			SW846-7841
Uranium	U	0.001	mg/L			IN7105
Vanadium		0.055	mg/L			SW846-6010
Zinc	U	0.015	mg/L			SW846-6010
<b>METAL-D</b>						
Barium		0.182	mg/L			SW846-6010
Chromium	U	0.06	mg/L			SW846-6010
Cobalt	U	0.045	mg/L			SW846-6010
Copper	U	0.025	mg/L			SW846-6010
Iron	N*U	0.355	mg/L			SW846-6010
Nickel		0.111	mg/L			SW846-6010
Silver	U	0.06	mg/L			SW846-6010
Sodium	N	41.3	mg/L			SW846-6010
Vanadium		0.059	mg/L			SW846-6010
Zinc	U	0.03	mg/L			SW846-6010
<b>PHYSIC</b>						
Chemical Oxygen Demand (COD)	<	5	mg/L			W-40
Dissolved Solids		247	mg/L			IN7475
Specific Conductivity (PIP)		423	umho/cm			IN7125
Turbidity		3.5	NTU			IN7490
<b>RADS</b>						
Alpha activity		-0.3	pCi/L	-0.3		R-4
Alpha activity	U	1000	pCi/L			R-56
Beta activity	U	1000	pCi/L			R-56
Beta activity		10	pCi/L	2		R-4
Technetium-99		1	pCi/L	11		RL-7100

\*QUALIFIER Codes See attached List.

**MW223****C746S-96****C-746S&T Landfill Monitoring C746S-96****SVOA**

1,2-Dichlorobenzene	U	0.005	mg/L	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L	SW846-8260

**VOA**

1,1,1,2-Tetrachloroethane	U	0.005	mg/L	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	SW846-8260
2-Butanone	U	0.005	mg/L	SW846-8260
2-Chloroethyl vinyl ether	U	0.005	mg/L	SW846-8260
2-Hexanone	U	0.005	mg/L	SW846-8260
4-Methyl-2-pentanone	U	0.005	mg/L	SW846-8260
Acetone	U	0.005	mg/L	SW846-8260
Benzene	U	0.005	mg/L	SW846-8260
Bromochloromethane	U	0.005	mg/L	SW846-8260
Bromodichloromethane	U	0.005	mg/L	SW846-8260
Bromoform	U	0.005	mg/L	SW846-8260
Bromomethane	U	0.005	mg/L	SW846-8260
Carbon disulfide	U	0.005	mg/L	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	SW846-8260
Chlorobenzene	U	0.005	mg/L	SW846-8260
Chloroethane	U	0.005	mg/L	SW846-8260
Chloromethane	U	0.005	mg/L	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Dibromochloromethane	U	0.005	mg/L	SW846-8260
Dibromomethane	U	0.005	mg/L	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	SW846-8260
Ethyl methacrylate	U	0.005	mg/L	SW846-8260
Ethylbenzene	U	0.005	mg/L	SW846-8260
Iodomethane	U	0.005	mg/L	SW846-8260
Methylene chloride	U	0.005	mg/L	SW846-8260
Styrene	U	0.005	mg/L	SW846-8260
Tetrachloroethene	U	0.005	mg/L	SW846-8260
Toluene	U	0.005	mg/L	SW846-8260
Total Xylene	U	0.01	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L	SW846-8260
Trichloroethene	U	0.001	mg/L	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L	SW846-8260
Vinyl acetate	U	0.005	mg/L	SW846-8260
Vinyl chloride	U	0.002	mg/L	SW846-8260

**MW223**

**C746S-96**

**C-746S&T Landfill Monitoring C746S-96**

**5099-96**

Collected: 1/10/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)	U	0.005	mg/L			SW846-9020
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		422	umho/cm			IN7125

**5100-96**

Collected: 1/10/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)	U	0.005	mg/L			SW846-9020
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		421	umho/cm			IN7125

**5101-96**

Collected: 1/10/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)	U	0.005	mg/L			SW846-9020
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		420	umho/cm			IN7125

**5512-96**

Collected: 3/5/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		69.81	ft			
Dissolved Oxygen		5.91	mg/L			
pH		6.1	Std Unit			
Temperature		60	deg F			
<b>VOA</b>						
Acrolein	U	0.005	mg/L			SW846-8030
Acrylonitrile	U	0.005	mg/L			SW846-8030
Ethanol	U	0.25	mg/L			SW846-8015

## MW223

## C746S-96

## C-746S&amp;T Landfill Monitoring C746S-96

## 5745-96

Collected: 4/10/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		47.4	mg/L			IN7120
Nitrate as Nitrogen		2.1	mg/L			IN7120
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)	U	0.025	mg/L			SW846-9020
<b>Field P</b>						
Depth to Water		69.49	ft			
Dissolved Oxygen		6.05	mg/L			
pH		6.1	Std Unit			
Specific Conductivity (PIP)		424	umho/cm			
Temperature		58	deg F			
<b>METAL</b>						
Barium		0.226	mg/L			SW846-6010
Beryllium	U	0.025	mg/L			SW846-6010
Cadmium	NU	0.005	mg/L			SW846-7131
Chromium	U	0.05	mg/L			SW846-6010
Cobalt	U	0.1	mg/L			SW846-6010
Copper	U	0.1	mg/L			SW846-6010
Iron	U	0.3	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Nickel		0.245	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	U	0.05	mg/L			SW846-6010
Sodium	N	48.1	mg/L			SW846-6010
Thallium	U	0.3	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Vanadium	U	0.5	mg/L			SW846-6010
Zinc	U	0.5	mg/L			SW846-6010
<b>PHYSC</b>						
Chemical Oxygen Demand (COD)	<	5	mg/L			W-40
Dissolved Solids		280	mg/L			IN7475
Turbidity		1.3	NTU			IN7490
<b>RADS</b>						
Alpha activity		-1	pCi/L	-0.7		RL-7122
Beta activity		13	pCi/L	2		RL-7122
Technetium-99		13	pCi/L	10		RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L			SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L			SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1-Dichloroethane	U	0.005	mg/L			SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L			SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L			SW846-8260
1,2-Dibromoethane	U	0.005	mg/L			SW846-8260
1,2-Dichloroethane	U	0.005	mg/L			SW846-8260
1,2-Dichloropropane	U	0.005	mg/L			SW846-8260

**MW223****C746S-96****C-746S&T Landfill Monitoring C746S-96**

2-Butanone	U	0.005	mg/L	SW846-8260
2-Chloroethyl vinyl ether	U	0.005	mg/L	SW846-8260
2-Hexanone	U	0.005	mg/L	SW846-8260
4-Methyl-2-pentanone	U	0.005	mg/L	SW846-8260
Acetone	U	0.005	mg/L	SW846-8260
Acrolein	U	0.005	mg/L	SW846-8030
Acrylonitrile	U	0.005	mg/L	SW846-8030
Benzene	U	0.005	mg/L	SW846-8260
Bromochloromethane	U	0.005	mg/L	SW846-8260
Bromodichloromethane	U	0.005	mg/L	SW846-8260
Bromoform	U	0.005	mg/L	SW846-8260
Bromomethane	U	0.005	mg/L	SW846-8260
Carbon disulfide	U	0.005	mg/L	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	SW846-8260
Chlorobenzene	U	0.005	mg/L	SW846-8260
Chloroethane	U	0.005	mg/L	SW846-8260
Chloromethane	U	0.005	mg/L	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Dibromochloromethane	U	0.005	mg/L	SW846-8260
Dibromomethane	U	0.005	mg/L	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	SW846-8260
Ethanol	U	0.25	mg/L	SW846-8015
Ethyl methacrylate	U	0.005	mg/L	SW846-8260
Ethylbenzene	U	0.005	mg/L	SW846-8260
Iodomethane	U	0.005	mg/L	SW846-8260
Methylene chloride	U	0.005	mg/L	SW846-8260
Styrene	U	0.005	mg/L	SW846-8260
Tetrachloroethene	U	0.005	mg/L	SW846-8260
Toluene	U	0.005	mg/L	SW846-8260
Total Xylene	U	0.01	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L	SW846-8260
Trichloroethene		0.001	mg/L	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L	SW846-8260
Vinyl acetate	U	0.005	mg/L	SW846-8260
Vinyl chloride	U	0.002	mg/L	SW846-8260



## MW223

## C746S-96

## C-746S&amp;T Landfill Monitoring C746S-96

## 5972-96

Collected: 7/16/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		47.6	mg/L			IN7120
Nitrate as Nitrogen		2.1	mg/L			IN7120
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)	U	0.025	mg/L			SW846-9020
<b>Field P</b>						
Depth to Water		64.76	ft			
Dissolved Oxygen		3.94	mg/L			
pH		6.2	Std Unit			
Specific Conductivity (PIP)		477	umho/cm			
Temperature		65	deg F			
<b>METAL</b>						
Barium		0.245	mg/L			SW846-6010
Beryllium	U	0.025	mg/L			SW846-6010
Cadmium	U	0.005	mg/L			SW846-7131
Chromium	B	0.0102	mg/L			SW846-6010
Chromium	U	0.05	mg/L			SW846-6010
Cobalt	U	0.1	mg/L			SW846-6010
Copper	U	0.1	mg/L			SW846-6010
Iron	U	0.3	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Nickel		0.537	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	U	0.05	mg/L			SW846-6010
Sodium	N	47.8	mg/L			SW846-6010
Thallium	U	0.4	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Vanadium	U	0.25	mg/L			SW846-6010
Zinc	U	0.25	mg/L			SW846-6010
<b>METAL-D</b>						
Barium		0.22	mg/L			SW846-6010
<b>PHYSC</b>						
Chemical Oxygen Demand (COD)	<	5	mg/L			IN7430
Dissolved Solids		267	mg/L			IN7475
Turbidity		1.3	NTU			IN7490
<b>RADS</b>						
Alpha activity		2.9	pCi/L	1.2		RL-7122
Beta activity		15	pCi/L	2		RL-7122
Technetium-99		9	pCi/L	10		RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L			SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L			SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1-Dichloroethane	U	0.005	mg/L			SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L			SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L			SW846-8260

**MW223****C746S-96****C-746S&T Landfill Monitoring C746S-96**

1,2-Dibromoethane	U	0.005	mg/L	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	SW846-8260
2-Butanone	U	0.005	mg/L	SW846-8260
2-Chloroethyl vinyl ether	U	0.005	mg/L	SW846-8260
2-Hexanone	U	0.005	mg/L	SW846-8260
4-Methyl-2-pentanone	U	0.005	mg/L	SW846-8260
Acetone	U	0.005	mg/L	SW846-8260
Acrolein	U	0.005	mg/L	SW846-8030
Acrylonitrile	U	0.005	mg/L	SW846-8030
Benzene	U	0.005	mg/L	SW846-8260
Bromochloromethane	U	0.005	mg/L	SW846-8260
Bromodichloromethane	U	0.005	mg/L	SW846-8260
Bromoform	U	0.005	mg/L	SW846-8260
Bromomethane	U	0.005	mg/L	SW846-8260
Carbon disulfide	U	0.005	mg/L	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	SW846-8260
Chlorobenzene	U	0.005	mg/L	SW846-8260
Chloroethane	U	0.005	mg/L	SW846-8260
Chloromethane	U	0.005	mg/L	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Dibromochloromethane	U	0.005	mg/L	SW846-8260
Dibromomethane	U	0.005	mg/L	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	SW846-8260
Ethanol	U	0.25	mg/L	SW846-8015
Ethyl methacrylate	U	0.005	mg/L	SW846-8260
Ethylbenzene	U	0.005	mg/L	SW846-8260
Iodomethane	U	0.005	mg/L	SW846-8260
Methylene chloride	U	0.005	mg/L	SW846-8260
Styrene	U	0.005	mg/L	SW846-8260
Tetrachloroethene	U	0.005	mg/L	SW846-8260
Toluene	U	0.005	mg/L	SW846-8260
Total Xylene	U	0.01	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L	SW846-8260
Trichloroethene	U	0.001	mg/L	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L	SW846-8260
Vinyl acetate	U	0.005	mg/L	SW846-8260
Vinyl chloride	U	0.002	mg/L	SW846-8260

**MW224**

**C746S-96**

**C-746S&T Landfill Monitoring C746S-96**

**5102-96**

Collected: 1/10/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		28.6	mg/L			IN7120
Nitrate as Nitrogen		1	mg/L			IN7120
Total Organic Carbon (TOC)	X	1	mg/L			W-150
Total Organic Halides (TOX)		0.012	mg/L			SW846-9020
<b>Field P</b>						
Depth to Water		71.71	ft			
Dissolved Oxygen		2.11	mg/L			
pH		6	Std Unit			
Temperature		59	deg F			
<b>METAL</b>						
Antimony	U	0.003	mg/L			SW846-7041
Barium		0.238	mg/L			SW846-6010
Beryllium	U	0.002	mg/L			SW846-6010
Cadmium	U	0.005	mg/L			SW846-7131
Chromium	U	0.03	mg/L			SW846-6010
Cobalt	U	0.022	mg/L			SW846-6010
Copper	U	0.012	mg/L			SW846-6010
Iron	U	0.178	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Nickel		0.068	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	U	0.03	mg/L			SW846-6010
Sodium	N	65	mg/L			SW846-6010
Thallium	U	0.002	mg/L			SW846-7841
Uranium	U	0.001	mg/L			IN7105
Vanadium		0.066	mg/L			SW846-6010
Zinc	U	0.015	mg/L			SW846-6010
<b>METAL-D</b>						
Barium		0.212	mg/L			SW846-6010
Chromium	U	0.06	mg/L			SW846-6010
Cobalt	U	0.045	mg/L			SW846-6010
Copper	U	0.025	mg/L			SW846-6010
Iron	N*U	0.355	mg/L			SW846-6010
Nickel	U	0.1	mg/L			SW846-6010
Silver	U	0.06	mg/L			SW846-6010
Sodium	N	64.3	mg/L			SW846-6010
Vanadium		0.072	mg/L			SW846-6010
Zinc	U	0.03	mg/L			SW846-6010
<b>PHYSC</b>						
Chemical Oxygen Demand (COD)	<	5	mg/L			W-40
Dissolved Solids		306	mg/L			IN7475
Specific Conductivity (PIP)		518	umho/cm			IN7125
Turbidity		1.9	NTU			IN7490
<b>RADS</b>						
Alpha activity		1.8	pCi/L	1.1		R-4
Alpha activity	U	1000	pCi/L			R-56
Beta activity		1	pCi/L	0		R-4
Beta activity	U	1000	pCi/L			R-56
Technetium-99		0	pCi/L	0		RL-7100

**MW224****C746S-96****C-746S&T Landfill Monitoring C746S-96****SVOA**

1,2-Dichlorobenzene	U	0.005	mg/L	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L	SW846-8260

**VOA**

1,1,1,2-Tetrachloroethane	U	0.005	mg/L	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	SW846-8260
2-Butanone	U	0.005	mg/L	SW846-8260
2-Chloroethyl vinyl ether	U	0.005	mg/L	SW846-8260
2-Hexanone	U	0.005	mg/L	SW846-8260
4-Methyl-2-pentanone	U	0.005	mg/L	SW846-8260
Acetone	U	0.005	mg/L	SW846-8260
Benzene	U	0.005	mg/L	SW846-8260
Bromochloromethane	U	0.005	mg/L	SW846-8260
Bromodichloromethane	U	0.005	mg/L	SW846-8260
Bromoform	U	0.005	mg/L	SW846-8260
Bromomethane	U	0.005	mg/L	SW846-8260
Carbon disulfide	U	0.005	mg/L	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	SW846-8260
Chlorobenzene	U	0.005	mg/L	SW846-8260
Chloroethane	U	0.005	mg/L	SW846-8260
Chloromethane	U	0.005	mg/L	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Dibromochloromethane	U	0.005	mg/L	SW846-8260
Dibromomethane	U	0.005	mg/L	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	SW846-8260
Ethyl methacrylate	U	0.005	mg/L	SW846-8260
Ethylbenzene	U	0.005	mg/L	SW846-8260
Iodomethane	U	0.005	mg/L	SW846-8260
Methylene chloride	U	0.005	mg/L	SW846-8260
Styrene	U	0.005	mg/L	SW846-8260
Tetrachloroethene	U	0.005	mg/L	SW846-8260
Toluene	U	0.005	mg/L	SW846-8260
Total Xylene	U	0.01	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L	SW846-8260
Trichloroethene		0.001	mg/L	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L	SW846-8260
Vinyl acetate	U	0.005	mg/L	SW846-8260
Vinyl chloride	U	0.002	mg/L	SW846-8260

**MW224**

**C746S-96**

**C-746S&T Landfill Monitoring C746S-96**

**5103-96**

Collected: 1/10/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)		1	mg/L			W-150
Total Organic Halides (TOX)		0.013	mg/L			SW846-9020
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		518	umho/cm			IN7125

**5104-96**

Collected: 1/10/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)		0.009	mg/L			SW846-9020
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		517	umho/cm			IN7125

**5105-96**

Collected: 1/10/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)		1	mg/L			W-150
Total Organic Halides (TOX)		0.009	mg/L			SW846-9020
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		517	umho/cm			IN7125

**5513-96**

Collected: 3/6/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		71.53	ft			
Dissolved Oxygen		2.04	mg/L			
pH		6.1	Std Unit			
Temperature		59	deg F			
<b>VOA</b>						
Acrolein	U	0.005	mg/L			SW846-8030
Acrylonitrile	U	0.005	mg/L			SW846-8030
Ethanol	U	0.25	mg/L			SW846-8015

## MW224

## C746S-96

## C-746S&amp;T Landfill Monitoring C746S-96

## 5749-96

Collected: 4/10/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		47	mg/L			IN7120
Nitrate as Nitrogen		1.9	mg/L			IN7120
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)	U	0.025	mg/L			SW846-9020
<b>Field P</b>						
Depth to Water		70.35	ft			
Dissolved Oxygen		4.97	mg/L			
pH		6.2	Std Unit			
Specific Conductivity (PIP)		256	umho/cm			
Temperature		59	deg F			
<b>METAL</b>						
Barium		0.236	mg/L			SW846-6010
Beryllium	U	0.025	mg/L			SW846-6010
Cadmium	NU	0.005	mg/L			SW846-7131
Chromium	U	0.05	mg/L			SW846-6010
Cobalt	U	0.1	mg/L			SW846-6010
Copper	U	0.1	mg/L			SW846-6010
Iron	U	0.3	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Nickel	U	0.1	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	U	0.05	mg/L			SW846-6010
Sodium	N	47.2	mg/L			SW846-6010
Thallium	U	0.3	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Vanadium	U	0.5	mg/L			SW846-6010
Zinc	U	0.5	mg/L			SW846-6010
<b>PHYSC</b>						
Chemical Oxygen Demand (COD)	<	5	mg/L			W-40
Dissolved Solids		260	mg/L			IN7475
Turbidity		3	NTU			IN7490
<b>RADS</b>						
Alpha activity		-0.1	pCi/L	0		RL-7122
Beta activity		11	pCi/L	2		RL-7122
Technetium-99		6	pCi/L	10		RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L			SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L			SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1-Dichloroethane	U	0.005	mg/L			SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L			SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L			SW846-8260
1,2-Dibromoethane	U	0.005	mg/L			SW846-8260
1,2-Dichloroethane	U	0.005	mg/L			SW846-8260
1,2-Dichloropropane	U	0.005	mg/L			SW846-8260

**MW224****C746S-96****C-746S&T Landfill Monitoring C746S-96**

2-Butanone	U	0.005	mg/L	SW846-8260
2-Chloroethyl vinyl ether	U	0.005	mg/L	SW846-8260
2-Hexanone	U	0.005	mg/L	SW846-8260
4-Methyl-2-pentanone	U	0.005	mg/L	SW846-8260
Acetone	U	0.005	mg/L	SW846-8260
Acrolein	U	0.005	mg/L	SW846-8030
Acrylonitrile	U	0.005	mg/L	SW846-8030
Benzene	U	0.005	mg/L	SW846-8260
Bromochloromethane	U	0.005	mg/L	SW846-8260
Bromodichloromethane	U	0.005	mg/L	SW846-8260
Bromoform	U	0.005	mg/L	SW846-8260
Bromomethane	U	0.005	mg/L	SW846-8260
Carbon disulfide	U	0.005	mg/L	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	SW846-8260
Chlorobenzene	U	0.005	mg/L	SW846-8260
Chloroethane	U	0.005	mg/L	SW846-8260
Chloromethane	U	0.005	mg/L	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Dibromochloromethane	U	0.005	mg/L	SW846-8260
Dibromomethane	U	0.005	mg/L	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	SW846-8260
Ethanol	U	0.25	mg/L	SW846-8015
Ethyl methacrylate	U	0.005	mg/L	SW846-8260
Ethylbenzene	U	0.005	mg/L	SW846-8260
Iodomethane	U	0.005	mg/L	SW846-8260
Methylene chloride	U	0.005	mg/L	SW846-8260
Styrene	U	0.005	mg/L	SW846-8260
Tetrachloroethene	U	0.005	mg/L	SW846-8260
Toluene	U	0.005	mg/L	SW846-8260
Total Xylene	U	0.01	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L	SW846-8260
Trichloroethene		0.003	mg/L	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L	SW846-8260
Vinyl acetate	U	0.005	mg/L	SW846-8260
Vinyl chloride	U	0.002	mg/L	SW846-8260

MW224

C746S-96

C-746S&amp;T Landfill Monitoring C746S-96

5973-96

Collected: 7/17/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		49	mg/L			IN7120
Nitrate as Nitrogen		2.1	mg/L			IN7120
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)	U	0.025	mg/L			SW846-9020
<b>Field P</b>						
Depth to Water		66.01	ft			
Dissolved Oxygen		6.19	mg/L			
pH		6	Std Unit			
Specific Conductivity (PIP)		419	umho/cm			
Temperature		70	deg F			
<b>METAL</b>						
Barium		0.248	mg/L			SW846-6010
Beryllium	U	0.025	mg/L			SW846-6010
Cadmium	U	0.005	mg/L			SW846-7131
Chromium	U	0.05	mg/L			SW846-6010
Chromium	U	0.006	mg/L			SW846-6010
Cobalt	U	0.1	mg/L			SW846-6010
Copper	U	0.1	mg/L			SW846-6010
Iron	U	0.3	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Nickel	U	0.1	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	U	0.05	mg/L			SW846-6010
Sodium	N	44.4	mg/L			SW846-6010
Thallium	U	0.4	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Vanadium	U	0.25	mg/L			SW846-6010
Zinc	U	0.25	mg/L			SW846-6010
<b>METAL-D</b>						
Barium		0.22	mg/L			SW846-6010
<b>PHYSC</b>						
Chemical Oxygen Demand (COD)	<	5	mg/L			IN7430
Dissolved Solids		244	mg/L			IN7475
Turbidity		2.2	NTU			IN7490
<b>RADS</b>						
Alpha activity		0.8	pCi/L	0.5		RL-7122
Beta activity		3	pCi/L	1		RL-7122
Technetium-99		0	pCi/L	0		RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L			SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L			SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1-Dichloroethane	U	0.005	mg/L			SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L			SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L			SW846-8260



**MW224****C746S-96****C-746S&T Landfill Monitoring C746S-96**

1,2-Dibromoethane	U	0.005 mg/L	SW846-8260
1,2-Dichloroethane	U	0.005 mg/L	SW846-8260
1,2-Dichloropropane	U	0.005 mg/L	SW846-8260
2-Butanone	U	0.005 mg/L	SW846-8260
2-Chloroethyl vinyl ether	U	0.005 mg/L	SW846-8260
2-Hexanone	U	0.005 mg/L	SW846-8260
4-Methyl-2-pentanone	U	0.005 mg/L	SW846-8260
Acetone	U	0.005 mg/L	SW846-8260
Acrolein	U	0.005 mg/L	SW846-8030
Acrylonitrile	U	0.005 mg/L	SW846-8030
Benzene	U	0.005 mg/L	SW846-8260
Bromochloromethane	U	0.005 mg/L	SW846-8260
Bromodichloromethane	U	0.005 mg/L	SW846-8260
Bromoform	U	0.005 mg/L	SW846-8260
Bromomethane	U	0.005 mg/L	SW846-8260
Carbon disulfide	U	0.005 mg/L	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	SW846-8260
Chlorobenzene	U	0.005 mg/L	SW846-8260
Chloroethane	U	0.005 mg/L	SW846-8260
Chloromethane	U	0.005 mg/L	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	SW846-8260
Dibromochloromethane	U	0.005 mg/L	SW846-8260
Dibromomethane	U	0.005 mg/L	SW846-8260
Dichlorodifluoromethane	U	0.005 mg/L	SW846-8260
Ethanol	U	0.25 mg/L	SW846-8015
Ethyl methacrylate	U	0.005 mg/L	SW846-8260
Ethylbenzene	U	0.005 mg/L	SW846-8260
Iodomethane	U	0.005 mg/L	SW846-8260
Methylene chloride	U	0.005 mg/L	SW846-8260
Styrene	U	0.005 mg/L	SW846-8260
Tetrachloroethene	U	0.005 mg/L	SW846-8260
Toluene	U	0.005 mg/L	SW846-8260
Total Xylene	U	0.01 mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	SW846-8260
Trichloroethene		0.002 mg/L	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	SW846-8260
Vinyl acetate	U	0.005 mg/L	SW846-8260
Vinyl chloride	U	0.002 mg/L	SW846-8260

**MW263**

**C746S-96**

**C-746S&T Landfill Monitoring C746S-96**

**5106-96**

Collected: 1/9/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		36.6	mg/L			IN7120
Nitrate as Nitrogen	U	1	mg/L			IN7120
Total Organic Carbon (TOC)	X	1	mg/L			W-150
Total Organic Halides (TOX)		0.008	mg/L			SW846-9020
<b>Field P</b>						
Depth to Water		35.75	ft			
Dissolved Oxygen		1.81	mg/L			
pH		6.2	Std Unit			
Temperature		58	deg F			
<b>METAL</b>						
Antimony	U	0.003	mg/L			SW846-7041
Barium		0.064	mg/L			SW846-6010
Beryllium	U	0.002	mg/L			SW846-6010
Cadmium	U	0.005	mg/L			SW846-7131
Chromium	U	0.03	mg/L			SW846-6010
Cobalt	U	0.022	mg/L			SW846-6010
Copper	U	0.012	mg/L			SW846-6010
Iron	U	0.178	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Nickel	U	0.05	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	U	0.03	mg/L			SW846-6010
Sodium	N	45.6	mg/L			SW846-6010
Thallium	U	0.002	mg/L			SW846-7841
Uranium	U	0.001	mg/L			IN7105
Vanadium		0.101	mg/L			SW846-6010
Zinc		0.022	mg/L			SW846-6010
<b>METAL-D</b>						
Barium		0.056	mg/L			SW846-6010
Chromium	U	0.03	mg/L			SW846-6010
Cobalt	U	0.045	mg/L			SW846-6010
Copper		0.256	mg/L			SW846-6010
Iron	N*U	0.355	mg/L			SW846-6010
Nickel	U	0.1	mg/L			SW846-6010
Silver	U	0.06	mg/L			SW846-6010
Sodium	N	44.3	mg/L			SW846-6010
Vanadium		0.107	mg/L			SW846-6010
Zinc		0.186	mg/L			SW846-6010
<b>PHYSC</b>						
Chemical Oxygen Demand (COD)	<	5	mg/L			W-40
Dissolved Solids		336	mg/L			IN7475
Specific Conductivity (PIP)		567	umho/cm			IN7125
Turbidity		1.9	NTU			IN7490
<b>RADS</b>						
Alpha activity	U	1000	pCi/L			R-56
Alpha activity		2.6	pCi/L	1.3		R-4
Beta activity		18	pCi/L	3		R-4
Beta activity	U	1000	pCi/L			R-56
Technetium-99		6	pCi/L	11		RL-7100

**MW263****C746S-96****C-746S&T Landfill Monitoring C746S-96**

<b>SVOA</b>				
1,2-Dichlorobenzene	U	0.005	mg/L	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L	SW846-8260
<b>VOA</b>				
1,1,1,2-Tetrachloroethane	U	0.005	mg/L	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	SW846-8260
2-Butanone	U	0.005	mg/L	SW846-8260
2-Chloroethyl vinyl ether	U	0.005	mg/L	SW846-8260
2-Hexanone	U	0.005	mg/L	SW846-8260
4-Methyl-2-pentanone	U	0.005	mg/L	SW846-8260
Acetone	U	0.005	mg/L	SW846-8260
Benzene	U	0.005	mg/L	SW846-8260
Bromochloromethane	U	0.005	mg/L	SW846-8260
Bromodichloromethane	U	0.005	mg/L	SW846-8260
Bromoform	U	0.005	mg/L	SW846-8260
Bromomethane	U	0.005	mg/L	SW846-8260
Carbon disulfide	U	0.005	mg/L	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	SW846-8260
Chlorobenzene	U	0.005	mg/L	SW846-8260
Chloroethane	U	0.005	mg/L	SW846-8260
Chloromethane	U	0.005	mg/L	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Dibromochloromethane	U	0.005	mg/L	SW846-8260
Dibromomethane	U	0.005	mg/L	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	SW846-8260
Ethyl methacrylate	U	0.005	mg/L	SW846-8260
Ethylbenzene	U	0.005	mg/L	SW846-8260
Iodomethane	U	0.005	mg/L	SW846-8260
Methylene chloride	U	0.005	mg/L	SW846-8260
Styrene	U	0.005	mg/L	SW846-8260
Tetrachloroethene	U	0.005	mg/L	SW846-8260
Toluene	U	0.005	mg/L	SW846-8260
Total Xylene	U	0.01	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L	SW846-8260
Trichloroethene		0.005	mg/L	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L	SW846-8260
Vinyl acetate	U	0.005	mg/L	SW846-8260
Vinyl chloride	U	0.002	mg/L	SW846-8260

**MW263**

**C746S-96**

**C-746S&T Landfill Monitoring C746S-96**

**5107-96**

Collected: 1/9/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)		0.009	mg/L			SW846-9020
<b>Field P</b>						
pH		6.2	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		566	umho/cm			IN7125

**5108-96**

Collected: 1/9/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)		0.009	mg/L			SW846-9020
<b>Field P</b>						
pH		6.2	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		567	umho/cm			IN7125

**5109-96**

Collected: 1/9/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)		1	mg/L			W-150
Total Organic Halides (TOX)		0.012	mg/L			SW846-9020
<b>Field P</b>						
pH		6.2	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		565	umho/cm			IN7125

MW263

C746S-96

C-746S&T Landfill Monitoring C746S-96

5514-96

Collected: 3/5/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		35.41	ft			
Dissolved Oxygen		1.98	mg/L			
pH		5.9	Std Unit			
Temperature		59	deg F			
<b>METAL</b>						
Chromium		0.038	mg/L			SW846-6010
Vanadium		0.105	mg/L			SW846-6010
<b>METAL-D</b>						
Chromium	U	0.03	mg/L			SW846-6010
Vanadium		0.102	mg/L			SW846-6010
<b>VOA</b>						
Acrolein	U	0.005	mg/L			SW846-8030
Acrylonitrile	U	0.005	mg/L			SW846-8030
Ethanol	U	0.25	mg/L			SW846-8015

## MW263

## C746S-96

## C-746S&amp;T Landfill Monitoring C746S-96

## 5753-96

Collected: 4/9/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		34.3	mg/L			IN7120
Nitrate as Nitrogen	U	1	mg/L			IN7120
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)	U	0.025	mg/L			SW846-9020
<b>Field P</b>						
Depth to Water		34.51	ft			
Dissolved Oxygen		2.43	mg/L			
pH		6.2	Std Unit			
Specific Conductivity (PIP)		560	umho/cm			
Temperature		60	deg F			
<b>METAL</b>						
Barium		0.068	mg/L			SW846-6010
Beryllium	U	0.025	mg/L			SW846-6010
Cadmium	NU	0.005	mg/L			SW846-7131
Chromium		1.02	mg/L			SW846-6010
Cobalt	U	0.1	mg/L			SW846-6010
Copper	U	0.1	mg/L			SW846-6010
Iron		3.88	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Nickel	U	0.1	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	U	0.05	mg/L			SW846-6010
Sodium	N	50.1	mg/L			SW846-6010
Thallium	U	0.3	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Vanadium	U	0.5	mg/L			SW846-6010
Zinc	U	0.5	mg/L			SW846-6010
<b>METAL-D</b>						
Chromium	U	0.05	mg/L			SW846-6010
<b>PHYSC</b>						
Chemical Oxygen Demand (COD)	<	5	mg/L			W-40
Dissolved Solids		350	mg/L			IN7475
Turbidity		16	NTU			IN7490
<b>RADS</b>						
Alpha activity		-0.8	pCi/L	-0.5		RL-7122
Beta activity		12	pCi/L	2		RL-7122
Technetium-99		11	pCi/L	10		RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L			SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L			SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1-Dichloroethane	U	0.005	mg/L			SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L			SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L			SW846-8260
1,2-Dibromoethane	U	0.005	mg/L			SW846-8260

**MW263****C746S-96****C-746S&T Landfill Monitoring C746S-96**

1,2-Dichloroethane	U	0.005 mg/L	SW846-8260
1,2-Dichloropropane	U	0.005 mg/L	SW846-8260
2-Butanone	U	0.005 mg/L	SW846-8260
2-Chloroethyl vinyl ether	U	0.005 mg/L	SW846-8260
2-Hexanone	U	0.005 mg/L	SW846-8260
4-Methyl-2-pentanone	U	0.005 mg/L	SW846-8260
Acetone	U	0.005 mg/L	SW846-8260
Acrolein	U	0.005 mg/L	SW846-8030
Acrylonitrile	U	0.005 mg/L	SW846-8030
Benzene	U	0.005 mg/L	SW846-8260
Bromochloromethane	U	0.005 mg/L	SW846-8260
Bromodichloromethane	U	0.005 mg/L	SW846-8260
Bromoform	U	0.005 mg/L	SW846-8260
Bromomethane	U	0.005 mg/L	SW846-8260
Carbon disulfide	U	0.005 mg/L	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	SW846-8260
Chlorobenzene	U	0.005 mg/L	SW846-8260
Chloroethane	U	0.005 mg/L	SW846-8260
Chloromethane	U	0.005 mg/L	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	SW846-8260
Dibromochloromethane	U	0.005 mg/L	SW846-8260
Dibromomethane	U	0.005 mg/L	SW846-8260
Dichlorodifluoromethane	U	0.005 mg/L	SW846-8260
Ethanol	U	0.25 mg/L	SW846-8015
Ethyl methacrylate	U	0.005 mg/L	SW846-8260
Ethylbenzene	U	0.005 mg/L	SW846-8260
Iodomethane	U	0.005 mg/L	SW846-8260
Methylene chloride	U	0.005 mg/L	SW846-8260
Styrene	U	0.005 mg/L	SW846-8260
Tetrachloroethene	U	0.005 mg/L	SW846-8260
Toluene	U	0.005 mg/L	SW846-8260
Total Xylene	U	0.01 mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	SW846-8260
Trichloroethene		0.004 mg/L	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	SW846-8260
Vinyl acetate	U	0.005 mg/L	SW846-8260
Vinyl chloride	U	0.002 mg/L	SW846-8260

## MW263

## C746S-96

## C-746S&amp;T Landfill Monitoring C746S-96

## 5974-96

Collected: 7/15/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		36.7	mg/L			IN7120
Nitrate as Nitrogen	U	1	mg/L			IN7120
Total Organic Carbon (TOC)		1	mg/L			W-150
Total Organic Halides (TOX)	U	0.025	mg/L			SW846-9020
<b>Field P</b>						
Depth to Water		30.2	ft			
Dissolved Oxygen		0.95	mg/L			
pH		5.9	Std Unit			
Specific Conductivity (PIP)		575	umho/cm			
Temperature		63	deg F			
<b>METAL</b>						
Barium		0.071	mg/L			SW846-6010
Beryllium	U	0.025	mg/L			SW846-6010
Cadmium	U	0.005	mg/L			SW846-7131
Chromium		1.26	mg/L			SW846-6010
Chromium		0.653	mg/L			SW846-6010
Cobalt	U	0.1	mg/L			SW846-6010
Copper	U	0.1	mg/L			SW846-6010
Iron		1.84	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Nickel	U	0.1	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	U	0.05	mg/L			SW846-6010
Sodium	N	48.3	mg/L			SW846-6010
Thallium	U	0.4	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Vanadium	U	0.25	mg/L			SW846-6010
Zinc	U	0.25	mg/L			SW846-6010
<b>METAL-D</b>						
Barium		0.058	mg/L			SW846-6010
Chromium	U	0.05	mg/L			SW846-6010
<b>PHYSC</b>						
Chemical Oxygen Demand (COD)	<	5	mg/L			W-40
Dissolved Solids		340	mg/L			IN7475
Turbidity		14	NTU			IN7490
<b>RADS</b>						
Alpha activity		0.3	pCi/L	0.2		RL-7122
Beta activity		22	pCi/L	3		RL-7122
Technetium-99		31	pCi/L	11		RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L			SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L			SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1-Dichloroethane	U	0.005	mg/L			SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L			SW846-8260



**MW263****C746S-96****C-746S&T Landfill Monitoring C746S-96**

1,2-Dibromo-3-chloropropane	U	0.005 mg/L	SW846-8260
1,2-Dibromoethane	U	0.005 mg/L	SW846-8260
1,2-Dichloroethane	U	0.005 mg/L	SW846-8260
1,2-Dichloropropane	U	0.005 mg/L	SW846-8260
2-Butanone	U	0.005 mg/L	SW846-8260
2-Chloroethyl vinyl ether	U	0.005 mg/L	SW846-8260
2-Hexanone	U	0.005 mg/L	SW846-8260
4-Methyl-2-pentanone	U	0.005 mg/L	SW846-8260
Acetone	U	0.005 mg/L	SW846-8260
Acrolein	U	0.005 mg/L	SW846-8030
Acrylonitrile	U	0.005 mg/L	SW846-8030
Benzene	U	0.005 mg/L	SW846-8260
Bromochloromethane	U	0.005 mg/L	SW846-8260
Bromodichloromethane	U	0.005 mg/L	SW846-8260
Bromoform	U	0.005 mg/L	SW846-8260
Bromomethane	U	0.005 mg/L	SW846-8260
Carbon disulfide	U	0.005 mg/L	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	SW846-8260
Chlorobenzene	U	0.005 mg/L	SW846-8260
Chloroethane	U	0.005 mg/L	SW846-8260
Chloromethane	U	0.005 mg/L	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	SW846-8260
Dibromochloromethane	U	0.005 mg/L	SW846-8260
Dibromomethane	U	0.005 mg/L	SW846-8260
Dichlorodifluoromethane	U	0.005 mg/L	SW846-8260
Ethanol	U	0.25 mg/L	SW846-8015
Ethyl methacrylate	U	0.005 mg/L	SW846-8260
Ethylbenzene	U	0.005 mg/L	SW846-8260
Iodomethane	U	0.005 mg/L	SW846-8260
Methylene chloride	U	0.005 mg/L	SW846-8260
Styrene	U	0.005 mg/L	SW846-8260
Tetrachloroethene	U	0.005 mg/L	SW846-8260
Toluene	U	0.005 mg/L	SW846-8260
Total Xylene	U	0.01 mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	SW846-8260
Trichloroethene		0.002 mg/L	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	SW846-8260
Vinyl acetate	U	0.005 mg/L	SW846-8260
Vinyl chloride	U	0.002 mg/L	SW846-8260

## MW263

## C746S-96

## C-746S&amp;T Landfill Monitoring C746S-96

## 5982-96

Collected: 7/15/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		36.2	mg/L			IN7120
Nitrate as Nitrogen	U	1	mg/L			IN7120
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)	U	0.025	mg/L			SW846-9020
<b>Field P</b>						
Depth to Water		30.2	ft			
Dissolved Oxygen		0.95	mg/L			
pH		5.9	Std Unit			
Specific Conductivity (PIP)		575	umho/cm			
Temperature		63	deg F			
<b>METAL</b>						
Barium		0.077	mg/L			SW846-6010
Beryllium	U	0.025	mg/L			SW846-6010
Cadmium	U	0.005	mg/L			SW846-7131
Chromium		3.39	mg/L			SW846-6010
Chromium		3.44	mg/L			SW846-6010
Cobalt	U	0.1	mg/L			SW846-6010
Copper	U	0.1	mg/L			SW846-6010
Iron		9.12	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Nickel	U	0.1	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	U	0.05	mg/L			SW846-6010
Sodium	N	48.8	mg/L			SW846-6010
Thallium	U	0.4	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Vanadium	U	0.25	mg/L			SW846-6010
Zinc	U	0.25	mg/L			SW846-6010
<b>METAL-D</b>						
Barium		0.058	mg/L			SW846-6010
Chromium	U	0.05	mg/L			SW846-6010
<b>PHYSC</b>						
Chemical Oxygen Demand (COD)	<	5	mg/L			W-40
Dissolved Solids		334	mg/L			IN7475
Turbidity		12	NTU			IN7490
<b>RADS</b>						
Alpha activity		2.3	pCi/L	1.1		RL-7122
Beta activity		21	pCi/L	3		RL-7122
Technetium-99		25	pCi/L	11		RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L			SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L			SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1-Dichloroethane	U	0.005	mg/L			SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L			SW846-8260

**MW263****C746S-96****C-746S&T Landfill Monitoring C746S-96**

1,2-Dibromo-3-chloropropane	U	0.005 mg/L	SW846-8260
1,2-Dibromoethane	U	0.005 mg/L	SW846-8260
1,2-Dichloroethane	U	0.005 mg/L	SW846-8260
1,2-Dichloropropane	U	0.005 mg/L	SW846-8260
2-Butanone	U	0.005 mg/L	SW846-8260
2-Chloroethyl vinyl ether	U	0.005 mg/L	SW846-8260
2-Hexanone	U	0.005 mg/L	SW846-8260
4-Methyl-2-pentanone	U	0.005 mg/L	SW846-8260
Acetone	U	0.005 mg/L	SW846-8260
Acrolein	U	0.005 mg/L	SW846-8030
Acrylonitrile	U	0.005 mg/L	SW846-8030
Benzene	U	0.005 mg/L	SW846-8260
Bromochloromethane	U	0.005 mg/L	SW846-8260
Bromodichloromethane	U	0.005 mg/L	SW846-8260
Bromoform	U	0.005 mg/L	SW846-8260
Bromomethane	U	0.005 mg/L	SW846-8260
Carbon disulfide	U	0.005 mg/L	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	SW846-8260
Chlorobenzene	U	0.005 mg/L	SW846-8260
Chloroethane	U	0.005 mg/L	SW846-8260
Chloromethane	U	0.005 mg/L	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	SW846-8260
Dibromochloromethane	U	0.005 mg/L	SW846-8260
Dibromomethane	U	0.005 mg/L	SW846-8260
Dichlorodifluoromethane	U	0.005 mg/L	SW846-8260
Ethanol	U	0.25 mg/L	SW846-8015
Ethyl methacrylate	U	0.005 mg/L	SW846-8260
Ethylbenzene	U	0.005 mg/L	SW846-8260
Iodomethane	U	0.005 mg/L	SW846-8260
Methylene chloride	U	0.005 mg/L	SW846-8260
Styrene	U	0.005 mg/L	SW846-8260
Tetrachloroethene	U	0.005 mg/L	SW846-8260
Toluene	U	0.005 mg/L	SW846-8260
Total Xylene	U	0.01 mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	SW846-8260
Trichloroethene		0.002 mg/L	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	SW846-8260
Vinyl acetate	U	0.005 mg/L	SW846-8260
Vinyl chloride	U	0.002 mg/L	SW846-8260

## MW264

## C746S-96

## C-746S&amp;T Landfill Monitoring C746S-96

## 5110-96

Collected: 1/10/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		41.4	mg/L			IN7120
Nitrate as Nitrogen	U	1	mg/L			IN7120
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)	U	0.005	mg/L			SW846-9020
<b>Field P</b>						
Depth to Water		41.59	ft			
Dissolved Oxygen		1.54	mg/L			
pH		5.9	Std Unit			
Temperature		59	deg F			
<b>METAL</b>						
Antimony	U	0.003	mg/L			SW846-7041
Barium		0.133	mg/L			SW846-6010
Beryllium	U	0.002	mg/L			SW846-6010
Cadmium	U	0.005	mg/L			SW846-7131
Chromium	U	0.03	mg/L			SW846-6010
Cobalt	U	0.022	mg/L			SW846-6010
Copper	U	0.012	mg/L			SW846-6010
Iron		3.5	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Nickel	U	0.05	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	U	0.03	mg/L			SW846-6010
Sodium	N	39	mg/L			SW846-6010
Thallium	U	0.002	mg/L			SW846-7841
Uranium	U	0.001	mg/L			IN7105
Vanadium		0.11	mg/L			SW846-6010
Zinc	U	0.015	mg/L			SW846-6010
<b>METAL-D</b>						
Barium		0.112	mg/L			SW846-6010
Chromium	U	0.06	mg/L			SW846-6010
Cobalt	U	0.045	mg/L			SW846-6010
Copper	U	0.025	mg/L			SW846-6010
Iron	N*U	0.355	mg/L			SW846-6010
Nickel	U	0.1	mg/L			SW846-6010
Silver	U	0.06	mg/L			SW846-6010
Sodium	N	40.2	mg/L			SW846-6010
Vanadium		0.08	mg/L			SW846-6010
Zinc	U	0.03	mg/L			SW846-6010
<b>PHYSIC</b>						
Chemical Oxygen Demand (COD)	<	5	mg/L			W-40
Dissolved Solids		290	mg/L			IN7475
Specific Conductivity (PIP)		488	umho/cm			IN7125
Turbidity		53	NTU			IN7490
<b>RADS</b>						
Alpha activity		-0.6	pCi/L	-0.7		R-4
Alpha activity	U	1000	pCi/L			R-56
Beta activity		5	pCi/L	1		R-4
Beta activity	U	1000	pCi/L			R-56
Technetium-99		1	pCi/L	11		RL-7100

**MW264****C746S-96****C-746S&T Landfill Monitoring C746S-96**

<b>SVOA</b>				
1,2-Dichlorobenzene	U	0.005	mg/L	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L	SW846-8260
<b>VOA</b>				
1,1,1,2-Tetrachloroethane	U	0.005	mg/L	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	SW846-8260
2-Butanone	U	0.005	mg/L	SW846-8260
2-Chloroethyl vinyl ether	U	0.005	mg/L	SW846-8260
2-Hexanone	U	0.005	mg/L	SW846-8260
4-Methyl-2-pentanone	U	0.005	mg/L	SW846-8260
Acetone	U	0.005	mg/L	SW846-8260
Benzene	U	0.005	mg/L	SW846-8260
Bromochloromethane	U	0.005	mg/L	SW846-8260
Bromodichloromethane	U	0.005	mg/L	SW846-8260
Bromoform	U	0.005	mg/L	SW846-8260
Bromomethane	U	0.005	mg/L	SW846-8260
Carbon disulfide	U	0.005	mg/L	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	SW846-8260
Chlorobenzene	U	0.005	mg/L	SW846-8260
Chloroethane	U	0.005	mg/L	SW846-8260
Chloromethane	U	0.005	mg/L	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Dibromochloromethane	U	0.005	mg/L	SW846-8260
Dibromomethane	U	0.005	mg/L	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	SW846-8260
Ethyl methacrylate	U	0.005	mg/L	SW846-8260
Ethylbenzene	U	0.005	mg/L	SW846-8260
Iodomethane	U	0.005	mg/L	SW846-8260
Methylene chloride	U	0.005	mg/L	SW846-8260
Styrene	U	0.005	mg/L	SW846-8260
Tetrachloroethene	U	0.005	mg/L	SW846-8260
Toluene	U	0.005	mg/L	SW846-8260
Total Xylene	U	0.01	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L	SW846-8260
Trichloroethene		0.002	mg/L	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L	SW846-8260
Vinyl acetate	U	0.005	mg/L	SW846-8260
Vinyl chloride	U	0.002	mg/L	SW846-8260

**MW264**

**C746S-96**

**C-746S&T Landfill Monitoring C746S-96**

**5111-96**

Collected: 1/10/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)	U	0.005	mg/L			SW846-9020
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		480	umho/cm			IN7125

**5112-96**

Collected: 1/10/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)	U	0.005	mg/L			SW846-9020
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		495	umho/cm			IN7125

**5113-96**

Collected: 1/10/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)	U	0.005	mg/L			SW846-9020
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		494	umho/cm			IN7125

**5515-96**

Collected: 3/5/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		40.91	ft			
Dissolved Oxygen		3.19	mg/L			
pH		6.1	Std Unit			
Temperature		59	deg F			
<b>VOA</b>						
Acrolein	U	0.005	mg/L			SW846-8030
Acrylonitrile	U	0.005	mg/L			SW846-8030
Ethanol	U	0.25	mg/L			SW846-8015

## MW264

## C746S-96

## C-746S&amp;T Landfill Monitoring C746S-96

## 5757-96

Collected: 4/11/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		56.7	mg/L			IN7120
Nitrate as Nitrogen	U	1	mg/L			IN7120
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)	U	0.025	mg/L			SW846-9020
<b>Field P</b>						
Depth to Water		39.83	ft			
Dissolved Oxygen		1.77	mg/L			
pH		6	Std Unit			
Specific Conductivity (PIP)		591	umho/cm			
Temperature		59	deg F			
<b>METAL</b>						
Barium		0.164	mg/L			SW846-6010
Beryllium	U	0.025	mg/L			SW846-6010
Cadmium	NU	0.005	mg/L			SW846-7131
Chromium	U	0.05	mg/L			SW846-6010
Cobalt	U	0.1	mg/L			SW846-6010
Copper	U	0.1	mg/L			SW846-6010
Iron		0.564	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Nickel	U	0.1	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	U	0.05	mg/L			SW846-6010
Sodium	N	54.8	mg/L			SW846-6010
Thallium	U	0.3	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Vanadium	U	0.5	mg/L			SW846-6010
Zinc	U	0.5	mg/L			SW846-6010
<b>METAL-D</b>						
Uranium	U	0.001	mg/L			IN7105
<b>PHYSC</b>						
Chemical Oxygen Demand (COD)	<	5	mg/L			W-40
Dissolved Solids		330	mg/L			IN7475
Turbidity		8.2	NTU			IN7490
<b>RADS</b>						
Alpha activity		1.4	pCi/L	0.9		RL-7122
Beta activity		12	pCi/L	2		RL-7122
Technetium-99		1	pCi/L	10		RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L			SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L			SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1-Dichloroethane	U	0.005	mg/L			SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L			SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L			SW846-8260
1,2-Dibromoethane	U	0.005	mg/L			SW846-8260

**MW264****C746S-96****C-746S&T Landfill Monitoring C746S-96**

1,2-Dichloroethane	U	0.005	mg/L	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	SW846-8260
2-Butanone	U	0.005	mg/L	SW846-8260
2-Chloroethyl vinyl ether	U	0.005	mg/L	SW846-8260
2-Hexanone	U	0.005	mg/L	SW846-8260
4-Methyl-2-pentanone	U	0.005	mg/L	SW846-8260
Acetone	U	0.005	mg/L	SW846-8260
Acrolein	U	0.005	mg/L	SW846-8030
Acrylonitrile	U	0.005	mg/L	SW846-8030
Benzene	U	0.005	mg/L	SW846-8260
Bromochloromethane	U	0.005	mg/L	SW846-8260
Bromodichloromethane	U	0.005	mg/L	SW846-8260
Bromoform	U	0.005	mg/L	SW846-8260
Bromomethane	U	0.005	mg/L	SW846-8260
Carbon disulfide	U	0.005	mg/L	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	SW846-8260
Chlorobenzene	U	0.005	mg/L	SW846-8260
Chloroethane	U	0.005	mg/L	SW846-8260
Chloromethane	U	0.005	mg/L	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Dibromochloromethane	U	0.005	mg/L	SW846-8260
Dibromomethane	U	0.005	mg/L	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	SW846-8260
Ethanol	U	0.25	mg/L	SW846-8015
Ethyl methacrylate	U	0.005	mg/L	SW846-8260
Ethylbenzene	U	0.005	mg/L	SW846-8260
Iodomethane	U	0.005	mg/L	SW846-8260
Methylene chloride	U	0.005	mg/L	SW846-8260
Styrene	U	0.005	mg/L	SW846-8260
Tetrachloroethene	U	0.005	mg/L	SW846-8260
Toluene	U	0.005	mg/L	SW846-8260
Total Xylene	U	0.01	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L	SW846-8260
Trichloroethene		0.001	mg/L	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L	SW846-8260
Vinyl acetate	U	0.005	mg/L	SW846-8260
Vinyl chloride	U	0.002	mg/L	SW846-8260



## MW264

## C746S-96

## C-746S&amp;T Landfill Monitoring C746S-96

## 5975-96

Collected: 7/16/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		54.8	mg/L			IN7120
Nitrate as Nitrogen	U	1	mg/L			IN7120
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)	U	0.025	mg/L			SW846-9020
<b>Field P</b>						
Depth to Water		35.82	ft			
Dissolved Oxygen		0.74	mg/L			
pH		6.2	Std Unit			
Specific Conductivity (PIP)		611	umho/cm			
Temperature		64	deg F			
<b>METAL</b>						
Barium		0.159	mg/L			SW846-6010
Beryllium	U	0.025	mg/L			SW846-6010
Cadmium	U	0.005	mg/L			SW846-7131
Chromium	U	0.006	mg/L			SW846-6010
Chromium	U	0.05	mg/L			SW846-6010
Cobalt	U	0.1	mg/L			SW846-6010
Copper	U	0.1	mg/L			SW846-6010
Iron		0.495	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Nickel	U	0.1	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	U	0.05	mg/L			SW846-6010
Sodium	N	51.6	mg/L			SW846-6010
Thallium	U	0.4	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Vanadium	U	0.25	mg/L			SW846-6010
Zinc	U	0.25	mg/L			SW846-6010
<b>METAL-D</b>						
Barium		0.147	mg/L			SW846-6010
<b>PHYSC</b>						
Chemical Oxygen Demand (COD)	<	5	mg/L			IN7430
Dissolved Solids		316	mg/L			IN7475
Turbidity		6.4	NTU			IN7490
<b>RADS</b>						
Alpha activity		1.7	pCi/L	0.7		RL-7122
Beta activity		69	pCi/L	6		RL-7122
Technetium-99		11	pCi/L	11		RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L			SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L			SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1-Dichloroethane	U	0.005	mg/L			SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L			SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L			SW846-8260

**MW264****C746S-96****C-746S&T Landfill Monitoring C746S-96**

1,2-Dibromoethane	U	0.005 mg/L	SW846-8260
1,2-Dichloroethane	U	0.005 mg/L	SW846-8260
1,2-Dichloropropane	U	0.005 mg/L	SW846-8260
2-Butanone	U	0.005 mg/L	SW846-8260
2-Chloroethyl vinyl ether	U	0.005 mg/L	SW846-8260
2-Hexanone	U	0.005 mg/L	SW846-8260
4-Methyl-2-pentanone	U	0.005 mg/L	SW846-8260
Acetone	U	0.005 mg/L	SW846-8260
Acrolein	U	0.005 mg/L	SW846-8030
Acrylonitrile	U	0.005 mg/L	SW846-8030
Benzene	U	0.005 mg/L	SW846-8260
Bromochloromethane	U	0.005 mg/L	SW846-8260
Bromodichloromethane	U	0.005 mg/L	SW846-8260
Bromoform	U	0.005 mg/L	SW846-8260
Bromomethane	U	0.005 mg/L	SW846-8260
Carbon disulfide	U	0.005 mg/L	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	SW846-8260
Chlorobenzene	U	0.005 mg/L	SW846-8260
Chloroethane	U	0.005 mg/L	SW846-8260
Chloromethane	U	0.005 mg/L	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	SW846-8260
Dibromochloromethane	U	0.005 mg/L	SW846-8260
Dibromomethane	U	0.005 mg/L	SW846-8260
Dichlorodifluoromethane	U	0.005 mg/L	SW846-8260
Ethanol	U	0.25 mg/L	SW846-8015
Ethyl methacrylate	U	0.005 mg/L	SW846-8260
Ethylbenzene	U	0.005 mg/L	SW846-8260
Iodomethane	U	0.005 mg/L	SW846-8260
Methylene chloride	U	0.005 mg/L	SW846-8260
Styrene	U	0.005 mg/L	SW846-8260
Tetrachloroethene	U	0.005 mg/L	SW846-8260
Toluene	U	0.005 mg/L	SW846-8260
Total Xylene	U	0.01 mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	SW846-8260
Trichloroethene		0.001 mg/L	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	SW846-8260
Vinyl acetate	U	0.005 mg/L	SW846-8260
Vinyl chloride	U	0.002 mg/L	SW846-8260

**MW265**

**C746S-96**

**C-746S&T Landfill Monitoring C746S-96**

**5114-96**

Collected: 1/9/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		34	mg/L			IN7120
Nitrate as Nitrogen	U	1	mg/L			IN7120
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)	U	0.005	mg/L			SW846-9020
<b>Field P</b>						
Depth to Water		44.31	ft			
Dissolved Oxygen		3.24	mg/L			
pH		6.4	Std Unit			
Temperature		56	deg F			
<b>METAL</b>						
Antimony	U	0.003	mg/L			SW846-7041
Barium		0.214	mg/L			SW846-6010
Beryllium	U	0.002	mg/L			SW846-6010
Cadmium	U	0.005	mg/L			SW846-7131
Chromium		0.051	mg/L			SW846-6010
Cobalt	U	0.022	mg/L			SW846-6010
Copper	U	0.012	mg/L			SW846-6010
Iron		0.388	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Nickel		0.064	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	U	0.03	mg/L			SW846-6010
Sodium	N	35.8	mg/L			SW846-6010
Thallium	U	0.002	mg/L			SW846-7841
Uranium	U	0.001	mg/L			IN7105
Vanadium		0.048	mg/L			SW846-6010
Zinc	U	0.015	mg/L			SW846-6010
<b>METAL-D</b>						
Barium		0.182	mg/L			SW846-6010
Chromium	U	0.03	mg/L			SW846-6010
Cobalt	U	0.045	mg/L			SW846-6010
Copper	U	0.025	mg/L			SW846-6010
Iron	N*U	0.355	mg/L			SW846-6010
Nickel	U	0.1	mg/L			SW846-6010
Silver	U	0.06	mg/L			SW846-6010
Sodium	N	35.9	mg/L			SW846-6010
Vanadium		0.058	mg/L			SW846-6010
Zinc	U	0.03	mg/L			SW846-6010
<b>PHYSIC</b>						
Chemical Oxygen Demand (COD)		7	mg/L			W-40
Dissolved Solids		211	mg/L			IN7475
Specific Conductivity (PIP)		361	umho/cm			IN7125
Turbidity		2	NTU			IN7490
<b>RADS</b>						
Alpha activity		0.8	pCi/L	0.6		R-4
Alpha activity	U	1000	pCi/L			R-56
Beta activity	U	1000	pCi/L			R-56
Beta activity		0	pCi/L	0		R-4
Technetium-99		0	pCi/L	0		RL-7100

**MW265****C746S-96****C-746S&T Landfill Monitoring C746S-96**

<b>SVOA</b>				
1,2-Dichlorobenzene	U	0.005	mg/L	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L	SW846-8260
<b>VOA</b>				
1,1,1,2-Tetrachloroethane	U	0.005	mg/L	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	SW846-8260
2-Butanone	U	0.005	mg/L	SW846-8260
2-Chloroethyl vinyl ether	U	0.005	mg/L	SW846-8260
2-Hexanone	U	0.005	mg/L	SW846-8260
4-Methyl-2-pentanone	U	0.005	mg/L	SW846-8260
Acetone	U	0.005	mg/L	SW846-8260
Benzene	U	0.005	mg/L	SW846-8260
Bromochloromethane	U	0.005	mg/L	SW846-8260
Bromodichloromethane	U	0.005	mg/L	SW846-8260
Bromoform	U	0.005	mg/L	SW846-8260
Bromomethane	U	0.005	mg/L	SW846-8260
Carbon disulfide	U	0.005	mg/L	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	SW846-8260
Chlorobenzene	U	0.005	mg/L	SW846-8260
Chloroethane	U	0.005	mg/L	SW846-8260
Chloromethane	U	0.005	mg/L	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Dibromochloromethane	U	0.005	mg/L	SW846-8260
Dibromomethane	U	0.005	mg/L	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	SW846-8260
Ethyl methacrylate	U	0.005	mg/L	SW846-8260
Ethylbenzene	U	0.005	mg/L	SW846-8260
Iodomethane	U	0.005	mg/L	SW846-8260
Methylene chloride	U	0.005	mg/L	SW846-8260
Styrene	U	0.005	mg/L	SW846-8260
Tetrachloroethene	U	0.005	mg/L	SW846-8260
Toluene	U	0.005	mg/L	SW846-8260
Total Xylene	U	0.01	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L	SW846-8260
Trichloroethene		0.002	mg/L	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L	SW846-8260
Vinyl acetate	U	0.005	mg/L	SW846-8260
Vinyl chloride	U	0.002	mg/L	SW846-8260

**MW265**

**C746S-96**

**C-746S&T Landfill Monitoring C746S-96**

**5115-96**

Collected: 1/9/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)	U	0.005	mg/L			SW846-9020
<b>Field P</b>						
pH		6.4	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		360	umho/cm			IN7125

**5116-96**

Collected: 1/9/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)	U	0.005	mg/L			SW846-9020
<b>Field P</b>						
pH		6.4	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		361	umho/cm			IN7125

**5117-96**

Collected: 1/9/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)	U	0.005	mg/L			SW846-9020
<b>Field P</b>						
pH		6.4	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		362	umho/cm			IN7125

**5516-96**

Collected: 3/5/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		44.02	ft			
Dissolved Oxygen		3.65	mg/L			
pH		6	Std Unit			
Temperature		58	deg F			
<b>VOA</b>						
Acrolein	U	0.005	mg/L			SW846-8030
Acrylonitrile	U	0.005	mg/L			SW846-8030
Ethanol	U	0.25	mg/L			SW846-8015

## MW265

## C746S-96

## C-746S&amp;T Landfill Monitoring C746S-96

## 5761-96

Collected: 4/8/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		36.6	mg/L			IN7120
Nitrate as Nitrogen	U	1	mg/L			IN7120
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)	U	0.025	mg/L			SW846-9020
<b>Field P</b>						
Depth to Water		43.62	ft			
Dissolved Oxygen		2.01	mg/L			
pH		5.9	Std Unit			
Specific Conductivity (PIP)		187	umho/cm			
Temperature		56	deg F			
<b>METAL</b>						
Barium		0.218	mg/L			SW846-6010
Beryllium	U	0.025	mg/L			SW846-6010
Cadmium	NU	0.005	mg/L			SW846-7131
Chromium		0.088	mg/L			SW846-6010
Cobalt	U	0.1	mg/L			SW846-6010
Copper	U	0.1	mg/L			SW846-6010
Iron		0.966	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Nickel		0.114	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	U	0.05	mg/L			SW846-6010
Sodium	N	43.6	mg/L			SW846-6010
Thallium	U	0.3	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Vanadium	U	0.5	mg/L			SW846-6010
Zinc	U	0.5	mg/L			SW846-6010
<b>METAL-D</b>						
Chromium	U	0.05	mg/L			SW846-6010
<b>PHYSC</b>						
Chemical Oxygen Demand (COD)	<	5	mg/L			W-40
Dissolved Solids		200	mg/L			IN7475
Turbidity		6.1	NTU			IN7490
<b>RADS</b>						
Alpha activity		-1.1	pCi/L	-1		RL-7122
Beta activity		2	pCi/L	0		RL-7122
Technetium-99		11	pCi/L	10		RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L			SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L			SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1-Dichloroethane	U	0.005	mg/L			SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L			SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L			SW846-8260
1,2-Dibromoethane	U	0.005	mg/L			SW846-8260

**MW265****C746S-96****C-746S&T Landfill Monitoring C746S-96**

1,2-Dichloroethane	U	0.005 mg/L	SW846-8260
1,2-Dichloropropane	U	0.005 mg/L	SW846-8260
2-Butanone	U	0.005 mg/L	SW846-8260
2-Chloroethyl vinyl ether	U	0.005 mg/L	SW846-8260
2-Hexanone	U	0.005 mg/L	SW846-8260
4-Methyl-2-pentanone	U	0.005 mg/L	SW846-8260
Acetone	U	0.005 mg/L	SW846-8260
Acrolein	U	0.005 mg/L	SW846-8030
Acrylonitrile	U	0.005 mg/L	SW846-8030
Benzene	U	0.005 mg/L	SW846-8260
Bromochloromethane	U	0.005 mg/L	SW846-8260
Bromodichloromethane	U	0.005 mg/L	SW846-8260
Bromoform	U	0.005 mg/L	SW846-8260
Bromomethane	U	0.005 mg/L	SW846-8260
Carbon disulfide	U	0.005 mg/L	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	SW846-8260
Chlorobenzene	U	0.005 mg/L	SW846-8260
Chloroethane	U	0.005 mg/L	SW846-8260
Chloromethane	U	0.005 mg/L	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	SW846-8260
Dibromochloromethane	U	0.005 mg/L	SW846-8260
Dibromomethane	U	0.005 mg/L	SW846-8260
Dichlorodifluoromethane	U	0.005 mg/L	SW846-8260
Ethanol	U	0.25 mg/L	SW846-8015
Ethyl methacrylate	U	0.005 mg/L	SW846-8260
Ethylbenzene	U	0.005 mg/L	SW846-8260
Iodomethane	U	0.005 mg/L	SW846-8260
Methylene chloride	U	0.005 mg/L	SW846-8260
Styrene	U	0.005 mg/L	SW846-8260
Tetrachloroethene	U	0.005 mg/L	SW846-8260
Toluene	U	0.005 mg/L	SW846-8260
Total Xylene	U	0.01 mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	SW846-8260
Trichloroethene		0.002 mg/L	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	SW846-8260
Vinyl acetate	U	0.005 mg/L	SW846-8260
Vinyl chloride	U	0.002 mg/L	SW846-8260

## MW265

## C746S-96

## C-746S&amp;T Landfill Monitoring C746S-96

## 5976-96

Collected: 7/15/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		37.5	mg/L			IN7120
Nitrate as Nitrogen		1	mg/L			IN7120
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)	U	0.025	mg/L			SW846-9020
<b>Field P</b>						
Depth to Water		38.86	ft			
Dissolved Oxygen		1.49	mg/L			
pH		6.5	Std Unit			
Specific Conductivity (PIP)		385	umho/cm			
Temperature		66	deg F			
<b>METAL</b>						
Barium		0.232	mg/L			SW846-6010
Beryllium	U	0.025	mg/L			SW846-6010
Cadmium	U	0.005	mg/L			SW846-7131
Chromium		1.34	mg/L			SW846-6010
Chromium		0.916	mg/L			SW846-6010
Cobalt	U	0.1	mg/L			SW846-6010
Copper	U	0.1	mg/L			SW846-6010
Iron		5.71	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Nickel	U	0.1	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	U	0.05	mg/L			SW846-6010
Sodium	N	41.4	mg/L			SW846-6010
Thallium	U	0.4	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Vanadium	U	0.25	mg/L			SW846-6010
Zinc	U	0.25	mg/L			SW846-6010
<b>METAL-D</b>						
Barium		0.191	mg/L			SW846-6010
Chromium	U	0.05	mg/L			SW846-6010
<b>PHYSC</b>						
Chemical Oxygen Demand (COD)	<	5	mg/L			W-40
Dissolved Solids		218	mg/L			IN7475
Turbidity		34	NTU			IN7490
<b>RADS</b>						
Alpha activity		0	pCi/L	0		RL-7122
Beta activity		4	pCi/L	1		RL-7122
Technetium-99		11	pCi/L	11		RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L			SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L			SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1-Dichloroethane	U	0.005	mg/L			SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L			SW846-8260



**MW265****C746S-96****C-746S&T Landfill Monitoring C746S-96**

1,2-Dibromo-3-chloropropane	U	0.005 mg/L	SW846-8260
1,2-Dibromoethane	U	0.005 mg/L	SW846-8260
1,2-Dichloroethane	U	0.005 mg/L	SW846-8260
1,2-Dichloropropane	U	0.005 mg/L	SW846-8260
2-Butanone	U	0.005 mg/L	SW846-8260
2-Chloroethyl vinyl ether	U	0.005 mg/L	SW846-8260
2-Hexanone	U	0.005 mg/L	SW846-8260
4-Methyl-2-pentanone	U	0.005 mg/L	SW846-8260
Acetone	U	0.005 mg/L	SW846-8260
Acrolein	U	0.005 mg/L	SW846-8030
Acrylonitrile	U	0.005 mg/L	SW846-8030
Benzene	U	0.005 mg/L	SW846-8260
Bromochloromethane	U	0.005 mg/L	SW846-8260
Bromodichloromethane	U	0.005 mg/L	SW846-8260
Bromoform	U	0.005 mg/L	SW846-8260
Bromomethane	U	0.005 mg/L	SW846-8260
Carbon disulfide	U	0.005 mg/L	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	SW846-8260
Chlorobenzene	U	0.005 mg/L	SW846-8260
Chloroethane	U	0.005 mg/L	SW846-8260
Chloromethane	U	0.005 mg/L	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	SW846-8260
Dibromochloromethane	U	0.005 mg/L	SW846-8260
Dibromomethane	U	0.005 mg/L	SW846-8260
Dichlorodifluoromethane	U	0.005 mg/L	SW846-8260
Ethanol	U	0.25 mg/L	SW846-8015
Ethyl methacrylate	U	0.005 mg/L	SW846-8260
Ethylbenzene	U	0.005 mg/L	SW846-8260
Iodomethane	U	0.005 mg/L	SW846-8260
Methylene chloride	U	0.005 mg/L	SW846-8260
Styrene	U	0.005 mg/L	SW846-8260
Tetrachloroethene	U	0.005 mg/L	SW846-8260
Toluene	U	0.005 mg/L	SW846-8260
Total Xylene	U	0.01 mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	SW846-8260
Trichloroethene		0.001 mg/L	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	SW846-8260
Vinyl acetate	U	0.005 mg/L	SW846-8260
Vinyl chloride	U	0.002 mg/L	SW846-8260

MW265

C746S-96

C-746S&T Landfill Monitoring C746S-96

5773-96

Collected: 4/8/1996

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		35.8	mg/L			IN7120
Nitrate as Nitrogen	U	1	mg/L			IN7120
Total Organic Carbon (TOC)		1	mg/L			W-150
Total Organic Halides (TOX)	U	0.025	mg/L			SW846-9020
<b>Field P</b>						
Depth to Water		43.62	ft			
Dissolved Oxygen		2.01	mg/L			
pH		5.9	Std Unit			
Specific Conductivity (PIP)		187	umho/cm			
Temperature		56	deg F			
<b>METAL</b>						
Barium		0.212	mg/L			SW846-6010
Beryllium	U	0.025	mg/L			SW846-6010
Cadmium	NU	0.005	mg/L			SW846-7131
Chromium		0.058	mg/L			SW846-6010
Cobalt	U	0.1	mg/L			SW846-6010
Copper	U	0.1	mg/L			SW846-6010
Iron		0.566	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Nickel	U	0.1	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	U	0.05	mg/L			SW846-6010
Sodium	N	42.4	mg/L			SW846-6010
Thallium	U	0.3	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Vanadium	U	0.5	mg/L			SW846-6010
Zinc	U	0.5	mg/L			SW846-6010
<b>METAL-D</b>						
Chromium	U	0.05	mg/L			SW846-6010
<b>PHYSC</b>						
Chemical Oxygen Demand (COD)	<	5	mg/L			W-40
Dissolved Solids		205	mg/L			IN7475
Turbidity		6.1	NTU			IN7490
<b>RADS</b>						
Alpha activity		-0.7	pCi/L	-0.6		RL-7122
Beta activity		3	pCi/L	1		RL-7122
Technetium-99		2	pCi/L	10		RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L			SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L			SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1-Dichloroethane	U	0.005	mg/L			SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L			SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L			SW846-8260
1,2-Dibromoethane	U	0.005	mg/L			SW846-8260

**MW265****C746S-96****C-746S&T Landfill Monitoring C746S-96**

1,2-Dichloroethane	U	0.005 mg/L	SW846-8260
1,2-Dichloropropane	U	0.005 mg/L	SW846-8260
2-Butanone	U	0.005 mg/L	SW846-8260
2-Chloroethyl vinyl ether	U	0.005 mg/L	SW846-8260
2-Hexanone	U	0.005 mg/L	SW846-8260
4-Methyl-2-pentanone	U	0.005 mg/L	SW846-8260
Acetone	U	0.005 mg/L	SW846-8260
Acrolein	U	0.005 mg/L	SW846-8030
Acrylonitrile	U	0.005 mg/L	SW846-8030
Benzene	U	0.005 mg/L	SW846-8260
Bromochloromethane	U	0.005 mg/L	SW846-8260
Bromodichloromethane	U	0.005 mg/L	SW846-8260
Bromoform	U	0.005 mg/L	SW846-8260
Bromomethane	U	0.005 mg/L	SW846-8260
Carbon disulfide	U	0.005 mg/L	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	SW846-8260
Chlorobenzene	U	0.005 mg/L	SW846-8260
Chloroethane	U	0.005 mg/L	SW846-8260
Chloromethane	U	0.005 mg/L	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	SW846-8260
Dibromochloromethane	U	0.005 mg/L	SW846-8260
Dibromomethane	U	0.005 mg/L	SW846-8260
Dichlorodifluoromethane	U	0.005 mg/L	SW846-8260
Ethanol	U	0.25 mg/L	SW846-8015
Ethyl methacrylate	U	0.005 mg/L	SW846-8260
Ethylbenzene	U	0.005 mg/L	SW846-8260
Iodomethane	U	0.005 mg/L	SW846-8260
Methylene chloride	U	0.005 mg/L	SW846-8260
Styrene	U	0.005 mg/L	SW846-8260
Tetrachloroethene	U	0.005 mg/L	SW846-8260
Toluene	U	0.005 mg/L	SW846-8260
Total Xylene	U	0.01 mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	SW846-8260
Trichloroethene		0.002 mg/L	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	SW846-8260
Vinyl acetate	U	0.005 mg/L	SW846-8260
Vinyl chloride	U	0.002 mg/L	SW846-8260

**MW266**

**C746S-96**

**C-746S&T Landfill Monitoring C746S-96**

**5118-96**

Collected: 1/10/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		36.1	mg/L			IN7120
Nitrate as Nitrogen	U	1	mg/L			IN7120
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)	U	0.005	mg/L			SW846-9020
<b>Field P</b>						
Depth to Water		41.25	ft			
Dissolved Oxygen		2.09	mg/L			
pH		5.7	Std Unit			
Temperature		58	deg F			
<b>METAL</b>						
Antimony	U	0.003	mg/L			SW846-7041
Barium	U	0.035	mg/L			SW846-6010
Beryllium	U	0.002	mg/L			SW846-6010
Cadmium	U	0.005	mg/L			SW846-7131
Chromium	U	0.03	mg/L			SW846-6010
Cobalt	U	0.022	mg/L			SW846-6010
Copper	U	0.012	mg/L			SW846-6010
Iron		0.298	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Nickel	U	0.05	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	U	0.03	mg/L			SW846-6010
Sodium	N	31	mg/L			SW846-6010
Thallium	U	0.002	mg/L			SW846-7841
Uranium	U	0.001	mg/L			IN7105
Vanadium		0.124	mg/L			SW846-6010
Zinc	U	0.015	mg/L			SW846-6010
<b>METAL-D</b>						
Barium	U	0.07	mg/L			SW846-6010
Chromium	U	0.06	mg/L			SW846-6010
Cobalt	U	0.045	mg/L			SW846-6010
Copper	U	0.025	mg/L			SW846-6010
Iron	NU	0.355	mg/L			SW846-6010
Nickel	U	0.1	mg/L			SW846-6010
Silver	U	0.06	mg/L			SW846-6010
Sodium	N	34.7	mg/L			SW846-6010
Vanadium		0.142	mg/L			SW846-6010
Zinc	U	0.03	mg/L			SW846-6010
<b>PHYSIC</b>						
Chemical Oxygen Demand (COD)	<	5	mg/L			W-40
Dissolved Solids		383	mg/L			IN7475
Specific Conductivity (PIP)		591	umho/cm			IN7125
Turbidity		4.6	NTU			IN7490
<b>RADS</b>						
Alpha activity		1	pCi/L	0.6		R-4
Alpha activity	U	1000	pCi/L			R-56
Beta activity	U	1000	pCi/L			R-56
Beta activity		10	pCi/L	2		R-4
Technetium-99		0	pCi/L	0		RL-7100

## MW266

## C746S-96

## C-746S&amp;T Landfill Monitoring C746S-96

SVOA				
1,2-Dichlorobenzene	U	0.005	mg/L	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L	SW846-8260
VOA				
1,1,1,2-Tetrachloroethane	U	0.005	mg/L	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	SW846-8260
2-Butanone	U	0.005	mg/L	SW846-8260
2-Chloroethyl vinyl ether	U	0.005	mg/L	SW846-8260
2-Hexanone	U	0.005	mg/L	SW846-8260
4-Methyl-2-pentanone	U	0.005	mg/L	SW846-8260
Acetone	U	0.005	mg/L	SW846-8260
Benzene	U	0.005	mg/L	SW846-8260
Bromochloromethane	U	0.005	mg/L	SW846-8260
Bromodichloromethane	U	0.005	mg/L	SW846-8260
Bromoform	U	0.005	mg/L	SW846-8260
Bromomethane	U	0.005	mg/L	SW846-8260
Carbon disulfide	U	0.005	mg/L	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	SW846-8260
Chlorobenzene	U	0.005	mg/L	SW846-8260
Chloroethane	U	0.005	mg/L	SW846-8260
Chloromethane	U	0.005	mg/L	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Dibromochloromethane	U	0.005	mg/L	SW846-8260
Dibromomethane	U	0.005	mg/L	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	SW846-8260
Ethyl methacrylate	U	0.005	mg/L	SW846-8260
Ethylbenzene	U	0.005	mg/L	SW846-8260
Iodomethane	U	0.005	mg/L	SW846-8260
Methylene chloride	U	0.005	mg/L	SW846-8260
Styrene	U	0.005	mg/L	SW846-8260
Tetrachloroethene	U	0.005	mg/L	SW846-8260
Toluene	U	0.005	mg/L	SW846-8260
Total Xylene	U	0.01	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L	SW846-8260
Trichloroethene		0.002	mg/L	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L	SW846-8260
Vinyl acetate	U	0.005	mg/L	SW846-8260
Vinyl chloride	U	0.002	mg/L	SW846-8260

**MW266**

**C746S-96**

**C-746S&T Landfill Monitoring C746S-96**

**5119-96**

Collected: 1/10/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)	U	0.005	mg/L			SW846-9020
<b>Field P</b>						
pH		5.7	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		599	umho/cm			IN7125

**5120-96**

Collected: 1/10/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)	U	0.005	mg/L			SW846-9020
<b>Field P</b>						
pH		5.7	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		595	umho/cm			IN7125

**5121-96**

Collected: 1/10/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)	U	0.005	mg/L			SW846-9020
<b>Field P</b>						
pH		5.7	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		599	umho/cm			IN7125

**MW266**  
**C746S-96**  
**5517-96**

**C-746S&T Landfill Monitoring C746S-96**

Collected: 3/5/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		40.65	ft			
Dissolved Oxygen		3.49	mg/L			
pH		5.8	Std Unit			
Temperature		59	deg F			
<b>METAL</b>						
Chromium	U	0.03	mg/L			SW846-6010
Vanadium		0.121	mg/L			SW846-6010
<b>METAL-D</b>						
Chromium	U	0.03	mg/L			SW846-6010
Vanadium		0.118	mg/L			SW846-6010
<b>VOA</b>						
Acrolein	U	0.005	mg/L			SW846-8030
Acrylonitrile	U	0.005	mg/L			SW846-8030
Ethanol	U	0.25	mg/L			SW846-8015

## MW266

## C746S-96

## C-746S&amp;T Landfill Monitoring C746S-96

## 5765-96

Collected: 4/11/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		39	mg/L			IN7120
Nitrate as Nitrogen		1.1	mg/L			IN7120
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)	U	0.025	mg/L			SW846-9020
<b>Field P</b>						
Depth to Water		39.47	ft			
Dissolved Oxygen		2.1	mg/L			
pH		58	Std Unit			
Specific Conductivity (PIP)		536	umho/cm			
Temperature		60	deg F			
<b>METAL</b>						
Barium	U	0.05	mg/L			SW846-6010
Beryllium	U	0.025	mg/L			SW846-6010
Cadmium	NU	0.005	mg/L			SW846-7131
Chromium		0.36	mg/L			SW846-6010
Cobalt	U	0.1	mg/L			SW846-6010
Copper	U	0.1	mg/L			SW846-6010
Iron		1.94	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Nickel	U	0.1	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	U	0.05	mg/L			SW846-6010
Sodium	N	35.3	mg/L			SW846-6010
Thallium	U	0.3	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Vanadium	U	0.5	mg/L			SW846-6010
Zinc	U	0.5	mg/L			SW846-6010
<b>METAL-D</b>						
Chromium	U	0.05	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
<b>PHYSC</b>						
Chemical Oxygen Demand (COD)		6	mg/L			W-40
Dissolved Solids		320	mg/L			IN7475
Turbidity		14	NTU			IN7490
<b>RADS</b>						
Alpha activity		1.5	pCi/L	0.9		RL-7122
Beta activity		10	pCi/L	2		RL-7122
Technetium-99		10	pCi/L	10		RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L			SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L			SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1-Dichloroethane	U	0.005	mg/L			SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L			SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L			SW846-8260



**MW266****C746S-96****C-746S&T Landfill Monitoring C746S-96**

1,2-Dibromoethane	U	0.005 mg/L	SW846-8260
1,2-Dichloroethane	U	0.005 mg/L	SW846-8260
1,2-Dichloropropane	U	0.005 mg/L	SW846-8260
2-Butanone	U	0.005 mg/L	SW846-8260
2-Chloroethyl vinyl ether	U	0.005 mg/L	SW846-8260
2-Hexanone	U	0.005 mg/L	SW846-8260
4-Methyl-2-pentanone	U	0.005 mg/L	SW846-8260
Acetone	U	0.005 mg/L	SW846-8260
Acrolein	U	0.005 mg/L	SW846-8030
Acrylonitrile	U	0.005 mg/L	SW846-8030
Benzene	U	0.005 mg/L	SW846-8260
Bromochloromethane	U	0.005 mg/L	SW846-8260
Bromodichloromethane	U	0.005 mg/L	SW846-8260
Bromoform	U	0.005 mg/L	SW846-8260
Bromomethane	U	0.005 mg/L	SW846-8260
Carbon disulfide	U	0.005 mg/L	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	SW846-8260
Chlorobenzene	U	0.005 mg/L	SW846-8260
Chloroethane	U	0.005 mg/L	SW846-8260
Chloromethane	U	0.005 mg/L	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	SW846-8260
Dibromochloromethane	U	0.005 mg/L	SW846-8260
Dibromomethane	U	0.005 mg/L	SW846-8260
Dichlorodifluoromethane	U	0.005 mg/L	SW846-8260
Ethanol	U	0.25 mg/L	SW846-8015
Ethyl methacrylate	U	0.005 mg/L	SW846-8260
Ethylbenzene	U	0.005 mg/L	SW846-8260
Iodomethane	U	0.005 mg/L	SW846-8260
Methylene chloride	U	0.005 mg/L	SW846-8260
Styrene	U	0.005 mg/L	SW846-8260
Tetrachloroethene	U	0.005 mg/L	SW846-8260
Toluene	U	0.005 mg/L	SW846-8260
Total Xylene	U	0.01 mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	SW846-8260
Trichloroethene		0.002 mg/L	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	SW846-8260
Vinyl acetate	U	0.005 mg/L	SW846-8260
Vinyl chloride	U	0.002 mg/L	SW846-8260

## MW266

## C746S-96

## C-746S&amp;T Landfill Monitoring C746S-96

## 5977-96

Collected: 7/16/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		47	mg/L			IN7120
Nitrate as Nitrogen		1.2	mg/L			IN7120
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)	U	0.025	mg/L			SW846-9020
<b>Field P</b>						
Depth to Water		35.5	ft			
Dissolved Oxygen		0.78	mg/L			
pH		6	Std Unit			
Specific Conductivity (PIP)		609	umho/cm			
Temperature		64	deg F			
<b>METAL</b>						
Barium		0.05	mg/L			SW846-6010
Beryllium	U	0.025	mg/L			SW846-6010
Cadmium	U	0.005	mg/L			SW846-7131
Chromium		1.72	mg/L			SW846-6010
Chromium		1.76	mg/L			SW846-6010
Cobalt	U	0.1	mg/L			SW846-6010
Copper	U	0.1	mg/L			SW846-6010
Iron		8.07	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Nickel	U	0.1	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	U	0.05	mg/L			SW846-6010
Sodium	N	39.3	mg/L			SW846-6010
Thallium	U	0.4	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Vanadium	U	0.25	mg/L			SW846-6010
Zinc	U	0.25	mg/L			SW846-6010
<b>METAL-D</b>						
Barium	U	0.05	mg/L			SW846-6010
Chromium	U	0.05	mg/L			SW846-6010
<b>PHYSC</b>						
Chemical Oxygen Demand (COD)	<	5	mg/L			IN7430
Dissolved Solids		332	mg/L			IN7475
Turbidity		65	NTU			IN7490
<b>RADS</b>						
Alpha activity		4.2	pCi/L	0		RL-7122
Beta activity		14	pCi/L	2		RL-7122
Technetium-99		15	pCi/L	11		RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L			SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L			SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1-Dichloroethane	U	0.005	mg/L			SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L			SW846-8260

**MW266****C746S-96****C-746S&T Landfill Monitoring C746S-96**

1,2-Dibromo-3-chloropropane	U	0.005 mg/L	SW846-8260
1,2-Dibromoethane	U	0.005 mg/L	SW846-8260
1,2-Dichloroethane	U	0.005 mg/L	SW846-8260
1,2-Dichloropropane	U	0.005 mg/L	SW846-8260
2-Butanone	U	0.005 mg/L	SW846-8260
2-Chloroethyl vinyl ether	U	0.005 mg/L	SW846-8260
2-Hexanone	U	0.005 mg/L	SW846-8260
4-Methyl-2-pentanone	U	0.005 mg/L	SW846-8260
Acetone	U	0.005 mg/L	SW846-8260
Acrolein	U	0.005 mg/L	SW846-8030
Acrylonitrile	U	0.005 mg/L	SW846-8030
Benzene	U	0.005 mg/L	SW846-8260
Bromochloromethane	U	0.005 mg/L	SW846-8260
Bromodichloromethane	U	0.005 mg/L	SW846-8260
Bromoform	U	0.005 mg/L	SW846-8260
Bromomethane	U	0.005 mg/L	SW846-8260
Carbon disulfide	U	0.005 mg/L	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	SW846-8260
Chlorobenzene	U	0.005 mg/L	SW846-8260
Chloroethane	U	0.005 mg/L	SW846-8260
Chloromethane	U	0.005 mg/L	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	SW846-8260
Dibromochloromethane	U	0.005 mg/L	SW846-8260
Dibromomethane	U	0.005 mg/L	SW846-8260
Dichlorodifluoromethane	U	0.005 mg/L	SW846-8260
Ethanol	U	0.25 mg/L	SW846-8015
Ethyl methacrylate	U	0.005 mg/L	SW846-8260
Ethylbenzene	U	0.005 mg/L	SW846-8260
Iodomethane	U	0.005 mg/L	SW846-8260
Methylene chloride	U	0.005 mg/L	SW846-8260
Styrene	U	0.005 mg/L	SW846-8260
Tetrachloroethene	U	0.005 mg/L	SW846-8260
Toluene	U	0.005 mg/L	SW846-8260
Total Xylene	U	0.01 mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	SW846-8260
Trichloroethene		0.001 mg/L	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	SW846-8260
Vinyl acetate	U	0.005 mg/L	SW846-8260
Vinyl chloride	U	0.002 mg/L	SW846-8260

MW267

C746S-96

C-746S&T Landfill Monitoring C746S-96

5122-96

Collected: 1/9/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		46.8	mg/L			IN7120
Nitrate as Nitrogen		2.4	mg/L			IN7120
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)	U	0.005	mg/L			SW846-9020
<b>Field P</b>						
Depth to Water		56.07	ft			
Dissolved Oxygen		5.36	mg/L			
pH		5.9	Std Unit			
Temperature		57	deg F			
<b>METAL</b>						
Antimony	U	0.003	mg/L			SW846-7041
Barium		0.21	mg/L			SW846-6010
Beryllium	U	0.002	mg/L			SW846-6010
Cadmium	U	0.005	mg/L			SW846-7131
Chromium	U	0.03	mg/L			SW846-6010
Cobalt	U	0.022	mg/L			SW846-6010
Copper	U	0.012	mg/L			SW846-6010
Iron	U	0.178	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Nickel	U	0.05	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	U	0.03	mg/L			SW846-6010
Sodium	N	32.4	mg/L			SW846-6010
Thallium	U	0.002	mg/L			SW846-7841
Uranium	U	0.001	mg/L			IN7105
Vanadium		0.05	mg/L			SW846-6010
Zinc	U	0.015	mg/L			SW846-6010
<b>METAL-D</b>						
Barium		0.194	mg/L			SW846-6010
Chromium	U	0.06	mg/L			SW846-6010
Cobalt	U	0.045	mg/L			SW846-6010
Copper	U	0.025	mg/L			SW846-6010
Iron	N*U	0.355	mg/L			SW846-6010
Nickel	U	0.1	mg/L			SW846-6010
Silver	U	0.06	mg/L			SW846-6010
Sodium	N	34.7	mg/L			SW846-6010
Vanadium		0.057	mg/L			SW846-6010
Zinc	U	0.03	mg/L			SW846-6010
<b>PHYSIC</b>						
Chemical Oxygen Demand (COD)	<	5	mg/L			W-40
Dissolved Solids		210	mg/L			IN7475
Specific Conductivity (PIP)		364	umho/cm			IN7125
Turbidity		1.1	NTU			IN7490
<b>RADS</b>						
Alpha activity	U	1000	pCi/L			R-56
Alpha activity		1.7	pCi/L	1		R-4
Beta activity	U	1000	pCi/L			R-56
Beta activity		7	pCi/L	1		R-4
Technetium-99		4	pCi/L	11		RL-7100

## MW267

## C746S-96

## C-746S&amp;T Landfill Monitoring C746S-96

SVOA				
1,2-Dichlorobenzene	U	0.005	mg/L	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L	SW846-8260
VOA				
1,1,1,2-Tetrachloroethane	U	0.005	mg/L	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	SW846-8260
2-Butanone	U	0.005	mg/L	SW846-8260
2-Chloroethyl vinyl ether	U	0.005	mg/L	SW846-8260
2-Hexanone	U	0.005	mg/L	SW846-8260
4-Methyl-2-pentanone	U	0.005	mg/L	SW846-8260
Acetone	U	0.005	mg/L	SW846-8260
Acrolein	U	0.005	mg/L	SW846-8030
Acrylonitrile	U	0.005	mg/L	SW846-8030
Benzene	U	0.005	mg/L	SW846-8260
Bromochloromethane	U	0.005	mg/L	SW846-8260
Bromodichloromethane	U	0.005	mg/L	SW846-8260
Bromoform	U	0.005	mg/L	SW846-8260
Bromomethane	U	0.005	mg/L	SW846-8260
Carbon disulfide	U	0.005	mg/L	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	SW846-8260
Chlorobenzene	U	0.005	mg/L	SW846-8260
Chloroethane	U	0.005	mg/L	SW846-8260
Chloromethane	U	0.005	mg/L	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Dibromochloromethane	U	0.005	mg/L	SW846-8260
Dibromomethane	U	0.005	mg/L	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	SW846-8260
Ethyl methacrylate	U	0.005	mg/L	SW846-8260
Ethylbenzene	U	0.005	mg/L	SW846-8260
Iodomethane	U	0.005	mg/L	SW846-8260
Methylene chloride	U	0.005	mg/L	SW846-8260
Styrene	U	0.005	mg/L	SW846-8260
Tetrachloroethene	U	0.005	mg/L	SW846-8260
Toluene	U	0.005	mg/L	SW846-8260
Total Xylene	U	0.01	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L	SW846-8260
Trichloroethene	U	0.001	mg/L	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L	SW846-8260
Vinyl acetate	U	0.005	mg/L	SW846-8260
Vinyl chloride	U	0.002	mg/L	SW846-8260

**MW267**

**C746S-96**

**C-746S&T Landfill Monitoring C746S-96**

**5123-96**

Collected: 1/9/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)		1	mg/L			W-150
Total Organic Halides (TOX)	U	0.005	mg/L			SW846-9020
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		366	umho/cm			IN7125

**5124-96**

Collected: 1/9/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)	U	0.005	mg/L			SW846-9020
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		364	umho/cm			IN7125

**5125-96**

Collected: 1/9/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)	U	0.005	mg/L			SW846-9020
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		363	umho/cm			IN7125

**5518-96**

Collected: 3/6/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		56.46	ft			
Dissolved Oxygen		6.33	mg/L			
pH		6	Std Unit			
Temperature		58	deg F			
<b>VOA</b>						
Ethanol	U	0.25	mg/L			SW846-8015

**MW267**

**C746S-96**

**C-746S&T Landfill Monitoring C746S-96**

**5519-96**

Collected: 3/6/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		56.46	ft			
Dissolved Oxygen		6.33	mg/L			
pH		6	Std Unit			
Temperature		58	deg F			
<b>VOA</b>						
Acrolein	U	0.005	mg/L			SW846-8030
Acrylonitrile	U	0.005	mg/L			SW846-8030
Ethanol	U	0.25	mg/L			SW846-8015

MW267

C746S-96

C-746S&amp;T Landfill Monitoring C746S-96

5769-96

Collected: 4/9/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		58.2	mg/L			IN7120
Nitrate as Nitrogen		2.9	mg/L			IN7120
Total Organic Carbon (TOC)		1	mg/L			W-150
Total Organic Halides (TOX)	U	0.025	mg/L			SW846-9020
<b>Field P</b>						
Depth to Water		55.65	ft			
Dissolved Oxygen		1.91	mg/L			
pH		5.9	Std Unit			
Specific Conductivity (PIP)		462	umho/cm			
Temperature		55	deg F			
<b>METAL</b>						
Barium		0.22	mg/L			SW846-6010
Beryllium	U	0.025	mg/L			SW846-6010
Cadmium	NU	0.005	mg/L			SW846-7131
Chromium		0.663	mg/L			SW846-6010
Cobalt	U	0.1	mg/L			SW846-6010
Copper	U	0.1	mg/L			SW846-6010
Iron		3.17	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Nickel		0.218	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	U	0.05	mg/L			SW846-6010
Sodium	N	46.1	mg/L			SW846-6010
Thallium	U	0.3	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Vanadium	U	0.5	mg/L			SW846-6010
Zinc	U	0.5	mg/L			SW846-6010
<b>METAL-D</b>						
Chromium	U	0.05	mg/L			SW846-6010
<b>PHYSC</b>						
Chemical Oxygen Demand (COD)		6	mg/L			W-40
Dissolved Solids		259	mg/L			IN7475
Turbidity		25	NTU			IN7490
<b>RADS</b>						
Alpha activity		1.5	pCi/L	0.8		RL-7122
Beta activity		18	pCi/L	3		RL-7122
Technetium-99		7	pCi/L	10		RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L			SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L			SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1-Dichloroethane	U	0.005	mg/L			SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L			SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L			SW846-8260
1,2-Dibromoethane	U	0.005	mg/L			SW846-8260



**MW267****C746S-96****C-746S&T Landfill Monitoring C746S-96**

1,2-Dichloroethane	U	0.005 mg/L	SW846-8260
1,2-Dichloropropane	U	0.005 mg/L	SW846-8260
2-Butanone	U	0.005 mg/L	SW846-8260
2-Chloroethyl vinyl ether	U	0.005 mg/L	SW846-8260
2-Hexanone	U	0.005 mg/L	SW846-8260
4-Methyl-2-pentanone	U	0.005 mg/L	SW846-8260
Acetone	U	0.005 mg/L	SW846-8260
Acrolein	U	0.005 mg/L	SW846-8030
Acrylonitrile	U	0.005 mg/L	SW846-8030
Benzene	U	0.005 mg/L	SW846-8260
Bromochloromethane	U	0.005 mg/L	SW846-8260
Bromodichloromethane	U	0.005 mg/L	SW846-8260
Bromoform	U	0.005 mg/L	SW846-8260
Bromomethane	U	0.005 mg/L	SW846-8260
Carbon disulfide	U	0.005 mg/L	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	SW846-8260
Chlorobenzene	U	0.005 mg/L	SW846-8260
Chloroethane	U	0.005 mg/L	SW846-8260
Chloromethane	U	0.005 mg/L	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	SW846-8260
Dibromochloromethane	U	0.005 mg/L	SW846-8260
Dibromomethane	U	0.005 mg/L	SW846-8260
Dichlorodifluoromethane	U	0.005 mg/L	SW846-8260
Ethanol	U	0.25 mg/L	SW846-8015
Ethyl methacrylate	U	0.005 mg/L	SW846-8260
Ethylbenzene	U	0.005 mg/L	SW846-8260
Iodomethane	U	0.005 mg/L	SW846-8260
Methylene chloride	U	0.005 mg/L	SW846-8260
Styrene	U	0.005 mg/L	SW846-8260
Tetrachloroethene	U	0.005 mg/L	SW846-8260
Toluene	U	0.005 mg/L	SW846-8260
Total Xylene	U	0.01 mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	SW846-8260
Trichloroethene	U	0.001 mg/L	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	SW846-8260
Vinyl acetate	U	0.005 mg/L	SW846-8260
Vinyl chloride	U	0.002 mg/L	SW846-8260

## MW267

## C746S-96

## C-746S&amp;T Landfill Monitoring C746S-96

## 5978-96

Collected: 7/15/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		50.8	mg/L			IN7120
Nitrate as Nitrogen		2.6	mg/L			IN7120
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)	U	0.025	mg/L			SW846-9020
<b>Field P</b>						
Depth to Water		50.95	ft			
Dissolved Oxygen		2.95	mg/L			
pH		5.9	Std Unit			
Specific Conductivity (PIP)		396	umho/cm			
Temperature		63	deg F			
<b>METAL</b>						
Barium		0.223	mg/L			SW846-6010
Beryllium	U	0.025	mg/L			SW846-6010
Cadmium	U	0.005	mg/L			SW846-7131
Chromium		0.064	mg/L			SW846-6010
Chromium		0.146	mg/L			SW846-6010
Cobalt	U	0.1	mg/L			SW846-6010
Copper	U	0.1	mg/L			SW846-6010
Iron		0.537	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Nickel	U	0.1	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	U	0.05	mg/L			SW846-6010
Sodium	N	41.5	mg/L			SW846-6010
Thallium	U	0.4	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Vanadium	U	0.25	mg/L			SW846-6010
Zinc	U	0.25	mg/L			SW846-6010
<b>METAL-D</b>						
Barium		0.18	mg/L			SW846-6010
Chromium	U	0.05	mg/L			SW846-6010
<b>PHYSC</b>						
Chemical Oxygen Demand (COD)	<	5	mg/L			W-40
Dissolved Solids		214	mg/L			IN7475
Turbidity		5.1	NTU			IN7490
<b>RADS</b>						
Alpha activity		3.7	pCi/L	1.6		RL-7122
Beta activity		13	pCi/L	2		RL-7122
Technetium-99		5	pCi/L	10		RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L			SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L			SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1-Dichloroethane	U	0.005	mg/L			SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L			SW846-8260

**MW267****C746S-96****C-746S&T Landfill Monitoring C746S-96**

1,2-Dibromo-3-chloropropane	U	0.005 mg/L	SW846-8260
1,2-Dibromoethane	U	0.005 mg/L	SW846-8260
1,2-Dichloroethane	U	0.005 mg/L	SW846-8260
1,2-Dichloropropane	U	0.005 mg/L	SW846-8260
2-Butanone	U	0.005 mg/L	SW846-8260
2-Chloroethyl vinyl ether	U	0.005 mg/L	SW846-8260
2-Hexanone	U	0.005 mg/L	SW846-8260
4-Methyl-2-pentanone	U	0.005 mg/L	SW846-8260
Acetone	U	0.005 mg/L	SW846-8260
Acrolein	U	0.005 mg/L	SW846-8030
Acrylonitrile	U	0.005 mg/L	SW846-8030
Benzene	U	0.005 mg/L	SW846-8260
Bromochloromethane	U	0.005 mg/L	SW846-8260
Bromodichloromethane	U	0.005 mg/L	SW846-8260
Bromoform	U	0.005 mg/L	SW846-8260
Bromomethane	U	0.005 mg/L	SW846-8260
Carbon disulfide	U	0.005 mg/L	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	SW846-8260
Chlorobenzene	U	0.005 mg/L	SW846-8260
Chloroethane	U	0.005 mg/L	SW846-8260
Chloromethane	U	0.005 mg/L	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	SW846-8260
Dibromochloromethane	U	0.005 mg/L	SW846-8260
Dibromomethane	U	0.005 mg/L	SW846-8260
Dichlorodifluoromethane	U	0.005 mg/L	SW846-8260
Ethanol	U	0.25 mg/L	SW846-8015
Ethyl methacrylate	U	0.005 mg/L	SW846-8260
Ethylbenzene	U	0.005 mg/L	SW846-8260
Iodomethane	U	0.005 mg/L	SW846-8260
Methylene chloride	U	0.005 mg/L	SW846-8260
Styrene	U	0.005 mg/L	SW846-8260
Tetrachloroethene	U	0.005 mg/L	SW846-8260
Toluene	U	0.005 mg/L	SW846-8260
Total Xylene	U	0.01 mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	SW846-8260
Trichloroethene	U	0.001 mg/L	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	SW846-8260
Vinyl acetate	U	0.005 mg/L	SW846-8260
Vinyl chloride	U	0.002 mg/L	SW846-8260

## MW267

## C746S-96

## C-746S&amp;T Landfill Monitoring C746S-96

## 5126-96

Collected: 1/9/1996

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		47.4	mg/L			IN7120
Nitrate as Nitrogen		2.4	mg/L			IN7120
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)	U	0.005	mg/L			SW846-9020
<b>Field P</b>						
Depth to Water		56.07	ft			
Dissolved Oxygen		5.36	mg/L			
pH		5.9	Std Unit			
Temperature		57	deg F			
<b>METAL</b>						
Antimony	U	0.003	mg/L			SW846-7041
Barium		0.208	mg/L			SW846-6010
Beryllium	U	0.002	mg/L			SW846-6010
Cadmium	U	0.005	mg/L			SW846-7131
Chromium	U	0.03	mg/L			SW846-6010
Cobalt	U	0.022	mg/L			SW846-6010
Copper	U	0.012	mg/L			SW846-6010
Iron	U	0.178	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Nickel	U	0.05	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	U	0.03	mg/L			SW846-6010
Sodium	N	32.5	mg/L			SW846-6010
Thallium	U	0.002	mg/L			SW846-7841
Uranium	U	0.001	mg/L			IN7105
Vanadium		0.048	mg/L			SW846-6010
Zinc	U	0.015	mg/L			SW846-6010
<b>METAL-D</b>						
Barium		0.191	mg/L			SW846-6010
Chromium	U	0.06	mg/L			SW846-6010
Cobalt	U	0.045	mg/L			SW846-6010
Copper	U	0.025	mg/L			SW846-6010
Iron	N*U	0.355	mg/L			SW846-6010
Nickel	U	0.1	mg/L			SW846-6010
Silver	U	0.06	mg/L			SW846-6010
Sodium	N	34.4	mg/L			SW846-6010
Vanadium		0.058	mg/L			SW846-6010
Zinc	U	0.03	mg/L			SW846-6010
<b>PHYSIC</b>						
Chemical Oxygen Demand (COD)	<	5	mg/L			W-40
Dissolved Solids		205	mg/L			IN7475
Specific Conductivity (PIP)		363	umho/cm			IN7125
Turbidity		1.6	NTU			IN7490
<b>RADS</b>						
Alpha activity		1	pCi/L	0.7		R-4
Beta activity		6	pCi/L	1		R-4
Technetium-99		0	pCi/L	0		RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L			SW846-8260

**MW267****C746S-96****C-746S&T Landfill Monitoring C746S-96**

1,4-Dichlorobenzene	U	0.005 mg/L	SW846-8260
<b>VOA</b>			
1,1,1,2-Tetrachloroethane	U	0.005 mg/L	SW846-8260
1,1,1-Trichloroethane	U	0.005 mg/L	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005 mg/L	SW846-8260
1,1,2-Trichloroethane	U	0.005 mg/L	SW846-8260
1,1-Dichloroethane	U	0.005 mg/L	SW846-8260
1,2,3-Trichloropropane	U	0.005 mg/L	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005 mg/L	SW846-8260
1,2-Dibromoethane	U	0.005 mg/L	SW846-8260
1,2-Dichloroethane	U	0.005 mg/L	SW846-8260
1,2-Dichloropropane	U	0.005 mg/L	SW846-8260
2-Butanone	U	0.005 mg/L	SW846-8260
2-Chloroethyl vinyl ether	U	0.005 mg/L	SW846-8260
2-Hexanone	U	0.005 mg/L	SW846-8260
4-Methyl-2-pentanone	U	0.005 mg/L	SW846-8260
Acetone	U	0.005 mg/L	SW846-8260
Acrolein	U	0.005 mg/L	SW846-8030
Acrylonitrile	U	0.005 mg/L	SW846-8030
Benzene	U	0.005 mg/L	SW846-8260
Bromochloromethane	U	0.005 mg/L	SW846-8260
Bromodichloromethane	U	0.005 mg/L	SW846-8260
Bromoform	U	0.005 mg/L	SW846-8260
Bromomethane	U	0.005 mg/L	SW846-8260
Carbon disulfide	U	0.005 mg/L	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	SW846-8260
Chlorobenzene	U	0.005 mg/L	SW846-8260
Chloroethane	U	0.005 mg/L	SW846-8260
Chloromethane	U	0.005 mg/L	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	SW846-8260
Dibromochloromethane	U	0.005 mg/L	SW846-8260
Dibromomethane	U	0.005 mg/L	SW846-8260
Dichlorodifluoromethane	U	0.005 mg/L	SW846-8260
Ethyl methacrylate	U	0.005 mg/L	SW846-8260
Ethylbenzene	U	0.005 mg/L	SW846-8260
Iodomethane	U	0.005 mg/L	SW846-8260
Methylene chloride	U	0.005 mg/L	SW846-8260
Styrene	U	0.005 mg/L	SW846-8260
Tetrachloroethene	U	0.005 mg/L	SW846-8260
Toluene	U	0.005 mg/L	SW846-8260
Total Xylene	U	0.01 mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	SW846-8260
Trichloroethene	U	0.001 mg/L	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	SW846-8260
Vinyl acetate	U	0.005 mg/L	SW846-8260
Vinyl chloride	U	0.002 mg/L	SW846-8260

**MW267**

**C746S-96**

**C-746S&T Landfill Monitoring C746S-96**

**5127-96**

Collected: 1/9/1996

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)	U	0.005	mg/L			SW846-9020
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		362	umho/cm			IN7125

**5128-96**

Collected: 1/9/1996

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)	U	0.005	mg/L			SW846-9020
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		362	umho/cm			IN7125

**5129-96**

Collected: 1/9/1996

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)	U	0.005	mg/L			SW846-9020
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		363	umho/cm			IN7125

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MW179

C746SG97-01

C-746S&T Groundwater Monitoring 1st Quarter FY97

6200-96

Collected: 10/9/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		35.4	mg/L			IN7120
Nitrate as Nitrogen	U	1	mg/L			IN7120
Total Organic Carbon (TOC)		1	mg/L			W-150
Total Organic Halides (TOX)	U	0.025	mg/L			SW846-9020
<b>Field P</b>						
Depth to Water		32.66	ft			
Dissolved Oxygen		2.69	mg/L			
pH		6	Std Unit			
Specific Conductivity (PIP)		482	umho/cm			
Temperature		60	deg F			
<b>METAL</b>						
Barium	U	0.05	mg/L			SW846-6010
Beryllium	U	0.025	mg/L			SW846-6010
Cadmium	BU	0.005	mg/L			SW846-7131
Chromium	U	0.05	mg/L			SW846-6010
Cobalt	U	0.1	mg/L			SW846-6010
Copper	U	0.1	mg/L			SW846-6010
Iron	U	0.3	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Nickel	U	0.1	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	U	0.05	mg/L			SW846-6010
Sodium	N	34.4	mg/L			SW846-6010
Thallium	U	0.3	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Vanadium	U	0.25	mg/L			SW846-6010
Zinc	BU	0.25	mg/L			SW846-6010
<b>PHYSC</b>						
Chemical Oxygen Demand (COD)	<	5	mg/L			IN7430
Dissolved Solids		295	mg/L			W-140
Turbidity		2.8	NTU			IN7490
<b>RADS</b>						
Alpha activity		4	pCi/L	1.7		RL-7122
Beta activity		7	pCi/L	1		RL-7122
Technetium-99		2	pCi/L	10		RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L			SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L			SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1-Dichloroethane	U	0.005	mg/L			SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L			SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L			SW846-8260
1,2-Dibromoethane	U	0.005	mg/L			SW846-8260
1,2-Dichloroethane	U	0.005	mg/L			SW846-8260
1,2-Dichloropropane	U	0.005	mg/L			SW846-8260

## MW179

## C746SG97-01

## C-746S&amp;T Groundwater Monitoring 1st Quarter FY97

2-Butanone	U	0.005	mg/L	SW846-8260
2-Chloroethyl vinyl ether	U	0.005	mg/L	SW846-8260
2-Hexanone	U	0.005	mg/L	SW846-8260
4-Methyl-2-pentanone	U	0.005	mg/L	SW846-8260
Acetone	U	0.005	mg/L	SW846-8260
Acrolein	U	0.005	mg/L	SW846-8030
Acrylonitrile	U	0.005	mg/L	SW846-8030
Benzene	U	0.005	mg/L	SW846-8260
Bromochloromethane	U	0.005	mg/L	SW846-8260
Bromodichloromethane	U	0.005	mg/L	SW846-8260
Bromoform	U	0.005	mg/L	SW846-8260
Bromomethane	U	0.005	mg/L	SW846-8260
Carbon disulfide	U	0.005	mg/L	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	SW846-8260
Chlorobenzene	U	0.005	mg/L	SW846-8260
Chloroethane	U	0.005	mg/L	SW846-8260
Chloromethane	U	0.005	mg/L	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Dibromochloromethane	U	0.005	mg/L	SW846-8260
Dibromomethane	U	0.005	mg/L	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	SW846-8260
Ethanol	U	0.25	mg/L	SW846-8015
Ethyl methacrylate	U	0.005	mg/L	SW846-8260
Ethylbenzene	U	0.005	mg/L	SW846-8260
Iodomethane	U	0.005	mg/L	SW846-8260
Methylene chloride	U	0.005	mg/L	SW846-8260
Styrene	U	0.005	mg/L	SW846-8260
Tetrachloroethene	U	0.005	mg/L	SW846-8260
Toluene	U	0.005	mg/L	SW846-8260
Total Xylene	U	0.01	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L	SW846-8260
Trichloroethene		0.006	mg/L	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L	SW846-8260
Vinyl acetate	U	0.005	mg/L	SW846-8260
Vinyl chloride	U	0.002	mg/L	SW846-8260



MW181

C746SG97-01

C-746S&T Groundwater Monitoring 1st Quarter FY97

6201-96

Collected: 10/10/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		49	mg/L			IN7120
Nitrate as Nitrogen		1.5	mg/L			IN7120
Total Organic Carbon (TOC)		1	mg/L			W-150
Total Organic Halides (TOX)		0.036	mg/L			SW846-9020
<b>Field P</b>						
Depth to Water		44.56	ft			
Dissolved Oxygen		3.59	mg/L			
pH		6	Std Unit			
Specific Conductivity (PIP)		478	umho/cm			
Temperature		59	deg F			
<b>METAL</b>						
Barium		0.232	mg/L			SW846-6010
Beryllium	U	0.025	mg/L			SW846-6010
Cadmium	BU	0.005	mg/L			SW846-7131
Chromium		0.463	mg/L			SW846-6010
Cobalt	U	0.1	mg/L			SW846-6010
Copper	U	0.1	mg/L			SW846-6010
Iron		8.38	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Nickel		0.194	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	U	0.05	mg/L			SW846-6010
Sodium	N	45.3	mg/L			SW846-6010
Thallium	U	0.3	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Vanadium	U	0.25	mg/L			SW846-6010
Zinc	BU	0.25	mg/L			SW846-6010
<b>METAL-D</b>						
Barium		0.151	mg/L			SW846-6010
Chromium	U	0.05	mg/L			SW846-6010
<b>PHYSC</b>						
Chemical Oxygen Demand (COD)	<	5	mg/L			IN7430
Dissolved Solids		267	mg/L			IN7475
Turbidity		95	NTU			IN7490
<b>RADS</b>						
Alpha activity		3.3	pCi/L	1.3		RL-7122
Beta activity		44	pCi/L	5		RL-7122
Technetium-99		62	pCi/L	13		RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L			SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L			SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1-Dichloroethane	U	0.005	mg/L			SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L			SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L			SW846-8260

## MW181

## C746SG97-01

## C-746S&amp;T Groundwater Monitoring 1st Quarter FY97

1,2-Dibromoethane	U	0.005	mg/L	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	SW846-8260
2-Butanone	U	0.005	mg/L	SW846-8260
2-Chloroethyl vinyl ether	U	0.005	mg/L	SW846-8260
2-Hexanone	U	0.005	mg/L	SW846-8260
4-Methyl-2-pentanone	U	0.005	mg/L	SW846-8260
Acetone	U	0.005	mg/L	SW846-8260
Acrolein	U	0.005	mg/L	SW846-8030
Acrylonitrile	U	0.005	mg/L	SW846-8030
Benzene	U	0.005	mg/L	SW846-8260
Bromochloromethane	U	0.005	mg/L	SW846-8260
Bromodichloromethane	U	0.005	mg/L	SW846-8260
Bromoform	U	0.005	mg/L	SW846-8260
Bromomethane	U	0.005	mg/L	SW846-8260
Carbon disulfide	U	0.005	mg/L	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	SW846-8260
Chlorobenzene	U	0.005	mg/L	SW846-8260
Chloroethane	U	0.005	mg/L	SW846-8260
Chloromethane	U	0.005	mg/L	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Dibromochloromethane	U	0.005	mg/L	SW846-8260
Dibromomethane	U	0.005	mg/L	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	SW846-8260
Ethanol	U	0.25	mg/L	SW846-8015
Ethyl methacrylate	U	0.005	mg/L	SW846-8260
Ethylbenzene	U	0.005	mg/L	SW846-8260
Iodomethane	U	0.005	mg/L	SW846-8260
Methylene chloride	U	0.005	mg/L	SW846-8260
Styrene	U	0.005	mg/L	SW846-8260
Tetrachloroethene	U	0.005	mg/L	SW846-8260
Toluene	U	0.005	mg/L	SW846-8260
Total Xylene	U	0.01	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L	SW846-8260
Trichloroethene	U	0.001	mg/L	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L	SW846-8260
Vinyl acetate	U	0.005	mg/L	SW846-8260
Vinyl chloride	U	0.002	mg/L	SW846-8260

**MW220**

**C746SG97-01**

**C-746S&T Groundwater Monitoring 1st Quarter FY97**

**6202-96**

Collected: 10/9/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		33.7	mg/L			IN7120
Nitrate as Nitrogen		1.7	mg/L			IN7120
Total Organic Carbon (TOC)	U	1	mg/L			ST7480
Total Organic Halides (TOX)		0.038	mg/L			SW846-9020
<b>Field P</b>						
Depth to Water		54.68	ft			
Dissolved Oxygen		6.78	mg/L			
pH		5.9	Std Unit			
Specific Conductivity (PIP)		332	umho/cm			
Temperature		59	deg F			
<b>METAL</b>						
Barium		0.198	mg/L			SW846-6010
Beryllium	U	0.025	mg/L			SW846-6010
Cadmium	BU	0.005	mg/L			SW846-7131
Chromium	U	0.05	mg/L			SW846-6010
Cobalt	U	0.1	mg/L			SW846-6010
Copper	U	0.1	mg/L			SW846-6010
Iron	U	0.3	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Nickel		0.157	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	U	0.05	mg/L			SW846-6010
Sodium	N	34.5	mg/L			SW846-6010
Thallium	U	0.3	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Vanadium	U	0.25	mg/L			SW846-6010
Zinc	BU	0.25	mg/L			SW846-6010
<b>METAL-D</b>						
Barium		0.172	mg/L			SW846-6010
<b>PHYSC</b>						
Chemical Oxygen Demand (COD)		5	mg/L			IN7430
Dissolved Solids		173	mg/L			IN7475
Turbidity	<	0.5	NTU			IN7490
<b>RADS</b>						
Alpha activity		4.8	pCi/L	1.9		RL-7122
Beta activity		38	pCi/L	4		RL-7122
Technetium-99		0	pCi/L	0		RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L			SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L			SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1-Dichloroethane	U	0.005	mg/L			SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L			SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L			SW846-8260
1,2-Dibromoethane	U	0.005	mg/L			SW846-8260

**MW220****C746SG97-01****C-746S&T Groundwater Monitoring 1st Quarter FY97**

1,2-Dichloroethane	U	0.005	mg/L	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	SW846-8260
2-Butanone	U	0.005	mg/L	SW846-8260
2-Chloroethyl vinyl ether	U	0.005	mg/L	SW846-8260
2-Hexanone	U	0.005	mg/L	SW846-8260
4-Methyl-2-pentanone	U	0.005	mg/L	SW846-8260
Acetone	U	0.005	mg/L	SW846-8260
Acrolein	U	0.005	mg/L	SW846-8030
Acrylonitrile	U	0.005	mg/L	SW846-8030
Benzene	U	0.005	mg/L	SW846-8260
Bromochloromethane	U	0.005	mg/L	SW846-8260
Bromodichloromethane	U	0.005	mg/L	SW846-8260
Bromoform	U	0.005	mg/L	SW846-8260
Bromomethane	U	0.005	mg/L	SW846-8260
Carbon disulfide	U	0.005	mg/L	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	SW846-8260
Chlorobenzene	U	0.005	mg/L	SW846-8260
Chloroethane	U	0.005	mg/L	SW846-8260
Chloromethane	U	0.005	mg/L	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Dibromochloromethane	U	0.005	mg/L	SW846-8260
Dibromomethane	U	0.005	mg/L	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	SW846-8260
Ethanol	U	0.25	mg/L	SW846-8015
Ethyl methacrylate	U	0.005	mg/L	SW846-8260
Ethylbenzene	U	0.005	mg/L	SW846-8260
Iodomethane	U	0.005	mg/L	SW846-8260
Methylene chloride	U	0.005	mg/L	SW846-8260
Styrene	U	0.005	mg/L	SW846-8260
Tetrachloroethene	U	0.005	mg/L	SW846-8260
Toluene	U	0.005	mg/L	SW846-8260
Total Xylene	U	0.01	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L	SW846-8260
Trichloroethene	U	0.001	mg/L	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L	SW846-8260
Vinyl acetate	U	0.005	mg/L	SW846-8260
Vinyl chloride	U	0.002	mg/L	SW846-8260

MW221

C746SG97-01

C-746S&T Groundwater Monitoring 1st Quarter FY97

6203-96

Collected: 10/7/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		47.1	mg/L			IN7120
Nitrate as Nitrogen		1.5	mg/L			IN7120
Total Organic Carbon (TOC)		1	mg/L			W-150
Total Organic Halides (TOX)	U	0.025	mg/L			SW846-9020
<b>Field P</b>						
Depth to Water		64.52	ft			
Dissolved Oxygen		10.58	mg/L			
pH		6.17	Std Unit			
Specific Conductivity (PIP)		406	umho/cm			
Temperature		61	deg F			
<b>METAL</b>						
Barium		0.252	mg/L			SW846-6010
Beryllium	U	0.025	mg/L			SW846-6010
Cadmium	BU	0.005	mg/L			SW846-7131
Chromium	U	0.05	mg/L			SW846-6010
Cobalt	U	0.1	mg/L			SW846-6010
Copper	U	0.1	mg/L			SW846-6010
Iron	U	0.3	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Nickel	U	0.1	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	U	0.05	mg/L			SW846-6010
Sodium	N	40.7	mg/L			SW846-6010
Thallium	U	0.3	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Vanadium	U	0.25	mg/L			SW846-6010
Zinc	BU	0.25	mg/L			SW846-6010
<b>METAL-D</b>						
Barium		0.214	mg/L			SW846-6010
<b>PHYSC</b>						
Chemical Oxygen Demand (COD)		5	mg/L			IN7430
Dissolved Solids		216	mg/L			IN7475
Turbidity		2.7	NTU			IN7490
<b>RADS</b>						
Alpha activity		3	pCi/L	1.5		RL-7122
Beta activity		7	pCi/L	1		RL-7122
Technetium-99		0	pCi/L	0		RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L			SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L			SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1-Dichloroethane	U	0.005	mg/L			SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L			SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L			SW846-8260
1,2-Dibromoethane	U	0.005	mg/L			SW846-8260

## MW221

## C746SG97-01

## C-746S&amp;T Groundwater Monitoring 1st Quarter FY97

1,2-Dichloroethane	U	0.005	mg/L	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	SW846-8260
2-Butanone	U	0.005	mg/L	SW846-8260
2-Chloroethyl vinyl ether	U	0.005	mg/L	SW846-8260
2-Hexanone	U	0.005	mg/L	SW846-8260
4-Methyl-2-pentanone	U	0.005	mg/L	SW846-8260
Acetone	U	0.005	mg/L	SW846-8260
Acrolein	U	0.005	mg/L	SW846-8030
Acrylonitrile	U	0.005	mg/L	SW846-8030
Benzene	U	0.005	mg/L	SW846-8260
Bromochloromethane	U	0.005	mg/L	SW846-8260
Bromodichloromethane	U	0.005	mg/L	SW846-8260
Bromoform	U	0.005	mg/L	SW846-8260
Bromomethane	U	0.005	mg/L	SW846-8260
Carbon disulfide	U	0.005	mg/L	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	SW846-8260
Chlorobenzene	U	0.005	mg/L	SW846-8260
Chloroethane	U	0.005	mg/L	SW846-8260
Chloromethane	U	0.005	mg/L	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Dibromochloromethane	U	0.005	mg/L	SW846-8260
Dibromomethane	U	0.005	mg/L	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	SW846-8260
Ethanol	U	0.25	mg/L	SW846-8015
Ethyl methacrylate	U	0.005	mg/L	SW846-8260
Ethylbenzene	U	0.005	mg/L	SW846-8260
Iodomethane	U	0.005	mg/L	SW846-8260
Methylene chloride	U	0.005	mg/L	SW846-8260
Styrene	U	0.005	mg/L	SW846-8260
Tetrachloroethene	U	0.005	mg/L	SW846-8260
Toluene	U	0.005	mg/L	SW846-8260
Total Xylene	U	0.01	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L	SW846-8260
Trichloroethene		0.002	mg/L	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L	SW846-8260
Vinyl acetate	U	0.005	mg/L	SW846-8260
Vinyl chloride	U	0.002	mg/L	SW846-8260

**MW222**

**C746SG97-01**

**C-746S&T Groundwater Monitoring 1st Quarter FY97**

**6204-96**

Collected: 10/8/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		33.4	mg/L			IN7120
Nitrate as Nitrogen	U	1	mg/L			IN7120
Total Organic Carbon (TOC)		1	mg/L			W-150
Total Organic Halides (TOX)		0.038	mg/L			SW846-9020
<b>Field P</b>						
Depth to Water		68.26	ft			
Dissolved Oxygen		7.99	mg/L			
pH		6.35	Std Unit			
Specific Conductivity (PIP)		386	umho/cm			
Temperature		60	deg F			
<b>METAL</b>						
Barium		0.452	mg/L			SW846-6010
Beryllium	U	0.025	mg/L			SW846-6010
Cadmium	BU	0.005	mg/L			SW846-7131
Chromium	U	0.05	mg/L			SW846-6010
Cobalt	U	0.1	mg/L			SW846-6010
Copper	U	0.1	mg/L			SW846-6010
Iron		49.6	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Nickel		0.15	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	U	0.05	mg/L			SW846-6010
Sodium	N	47.6	mg/L			SW846-6010
Thallium	U	0.3	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Vanadium	U	0.25	mg/L			SW846-6010
Zinc	B	0.269	mg/L			SW846-6010
<b>METAL-D</b>						
Barium		0.248	mg/L			SW846-6010
<b>PHYSC</b>						
Chemical Oxygen Demand (COD)		5	mg/L			IN7430
Dissolved Solids		252	mg/L			IN7475
Turbidity		612	NTU			IN7490
<b>RADS</b>						
Alpha activity		3.9	pCi/L	1.7		RL-7122
Beta activity		5	pCi/L	1		RL-7122
Technetium-99		0	pCi/L	0		RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L			SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L			SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1-Dichloroethane	U	0.005	mg/L			SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L			SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L			SW846-8260
1,2-Dibromoethane	U	0.005	mg/L			SW846-8260

## MW222

## C746SG97-01

## C-746S&amp;T Groundwater Monitoring 1st Quarter FY97

1,2-Dichloroethane	U	0.005	mg/L	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	SW846-8260
2-Butanone	U	0.005	mg/L	SW846-8260
2-Chloroethyl vinyl ether	U	0.005	mg/L	SW846-8260
2-Hexanone	U	0.005	mg/L	SW846-8260
4-Methyl-2-pentanone	U	0.005	mg/L	SW846-8260
Acetone	U	0.005	mg/L	SW846-8260
Acrolein	U	0.005	mg/L	SW846-8030
Acrylonitrile	U	0.005	mg/L	SW846-8030
Benzene	U	0.005	mg/L	SW846-8260
Bromochloromethane	U	0.005	mg/L	SW846-8260
Bromodichloromethane	U	0.005	mg/L	SW846-8260
Bromoform	U	0.005	mg/L	SW846-8260
Bromomethane	U	0.005	mg/L	SW846-8260
Carbon disulfide	U	0.005	mg/L	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	SW846-8260
Chlorobenzene	U	0.005	mg/L	SW846-8260
Chloroethane	U	0.005	mg/L	SW846-8260
Chloromethane	U	0.005	mg/L	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Dibromochloromethane	U	0.005	mg/L	SW846-8260
Dibromomethane	U	0.005	mg/L	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	SW846-8260
Ethanol	U	0.25	mg/L	SW846-8015
Ethyl methacrylate	U	0.005	mg/L	SW846-8260
Ethylbenzene	U	0.005	mg/L	SW846-8260
Iodomethane	U	0.005	mg/L	SW846-8260
Methylene chloride	U	0.005	mg/L	SW846-8260
Styrene	U	0.005	mg/L	SW846-8260
Tetrachloroethene	U	0.005	mg/L	SW846-8260
Toluene	U	0.005	mg/L	SW846-8260
Total Xylene	U	0.01	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L	SW846-8260
Trichloroethene	U	0.001	mg/L	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L	SW846-8260
Vinyl acetate	U	0.005	mg/L	SW846-8260
Vinyl chloride	U	0.002	mg/L	SW846-8260



**MW223**

**C746SG97-01**

**C-746S&T Groundwater Monitoring 1st Quarter FY97**

**6205-96**

Collected: 10/7/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		40.1	mg/L			IN7120
Nitrate as Nitrogen		2.3	mg/L			IN7120
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)	U	0.025	mg/L			SW846-9020
<b>Field P</b>						
Depth to Water		67.48	ft			
Dissolved Oxygen		5.2	mg/L			
pH		6.1	Std Unit			
Specific Conductivity (PIP)		392	umho/cm			
Temperature		65	deg F			
<b>METAL</b>						
Barium		0.168	mg/L			SW846-6010
Beryllium	U	0.025	mg/L			SW846-6010
Cadmium	BU	0.005	mg/L			SW846-7131
Chromium	U	0.05	mg/L			SW846-6010
Cobalt	U	0.1	mg/L			SW846-6010
Copper	U	0.1	mg/L			SW846-6010
Iron		0.31	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Nickel		0.44	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	U	0.05	mg/L			SW846-6010
Sodium	N	40.6	mg/L			SW846-6010
Thallium	U	0.3	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Vanadium	U	0.25	mg/L			SW846-6010
Zinc	BU	0.25	mg/L			SW846-6010
<b>METAL-D</b>						
Barium		0.144	mg/L			SW846-6010
<b>PHYSC</b>						
Chemical Oxygen Demand (COD)	<	5	mg/L			IN7430
Dissolved Solids		211	mg/L			IN7475
Turbidity		4.3	NTU			IN7490
<b>RADS</b>						
Alpha activity		3.1	pCi/L	1.5		RL-7122
Beta activity		20	pCi/L	3		RL-7122
Technetium-99		2	pCi/L	10		RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L			SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L			SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1-Dichloroethane	U	0.005	mg/L			SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L			SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L			SW846-8260
1,2-Dibromoethane	U	0.005	mg/L			SW846-8260

## MW223

## C746SG97-01

## C-746S&amp;T Groundwater Monitoring 1st Quarter FY97

1,2-Dichloroethane	U	0.005	mg/L	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	SW846-8260
2-Butanone	U	0.005	mg/L	SW846-8260
2-Chloroethyl vinyl ether	U	0.005	mg/L	SW846-8260
2-Hexanone	U	0.005	mg/L	SW846-8260
4-Methyl-2-pentanone	U	0.005	mg/L	SW846-8260
Acetone	U	0.005	mg/L	SW846-8260
Acrolein	U	0.005	mg/L	SW846-8030
Acrylonitrile	U	0.005	mg/L	SW846-8030
Benzene	U	0.005	mg/L	SW846-8260
Bromochloromethane	U	0.005	mg/L	SW846-8260
Bromodichloromethane	U	0.005	mg/L	SW846-8260
Bromoform	U	0.005	mg/L	SW846-8260
Bromomethane	U	0.005	mg/L	SW846-8260
Carbon disulfide	U	0.005	mg/L	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	SW846-8260
Chlorobenzene	U	0.005	mg/L	SW846-8260
Chloroethane	U	0.005	mg/L	SW846-8260
Chloromethane	U	0.005	mg/L	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Dibromochloromethane	U	0.005	mg/L	SW846-8260
Dibromomethane	U	0.005	mg/L	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	SW846-8260
Ethanol	U	0.25	mg/L	SW846-8015
Ethyl methacrylate	U	0.005	mg/L	SW846-8260
Ethylbenzene	U	0.005	mg/L	SW846-8260
Iodomethane	U	0.005	mg/L	SW846-8260
Methylene chloride	U	0.005	mg/L	SW846-8260
Styrene	U	0.005	mg/L	SW846-8260
Tetrachloroethene	U	0.005	mg/L	SW846-8260
Toluene	U	0.005	mg/L	SW846-8260
Total Xylene	U	0.01	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L	SW846-8260
Trichloroethene	U	0.001	mg/L	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L	SW846-8260
Vinyl acetate	U	0.005	mg/L	SW846-8260
Vinyl chloride	U	0.002	mg/L	SW846-8260

**MW224**

**C746SG97-01**

**C-746S&T Groundwater Monitoring 1st Quarter FY97**

**6206-96**

Collected: 10/8/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		43.2	mg/L			IN7120
Nitrate as Nitrogen		1.6	mg/L			IN7120
Total Organic Carbon (TOC)		1	mg/L			W-150
Total Organic Halides (TOX)		0.027	mg/L			SW846-9020
<b>Field P</b>						
Depth to Water		68.7	ft			
Dissolved Oxygen		4.19	mg/L			
pH		6.1	Std Unit			
Specific Conductivity (PIP)		454	umho/cm			
Temperature		61	deg F			
<b>METAL</b>						
Barium		0.248	mg/L			SW846-6010
Beryllium	U	0.025	mg/L			SW846-6010
Cadmium	BU	0.005	mg/L			SW846-7131
Chromium	U	0.05	mg/L			SW846-6010
Cobalt	U	0.1	mg/L			SW846-6010
Copper	U	0.1	mg/L			SW846-6010
Iron	U	0.3	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Nickel	U	0.1	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	U	0.05	mg/L			SW846-6010
Sodium	N	47.5	mg/L			SW846-6010
Thallium	U	0.3	mg/L			SW846-6010
Uranium		0.003	mg/L			IN7105
Vanadium	U	0.25	mg/L			SW846-6010
Zinc	BU	0.25	mg/L			SW846-6010
<b>METAL-D</b>						
Barium		0.214	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
<b>PHYSC</b>						
Chemical Oxygen Demand (COD)		7	mg/L			IN7430
Dissolved Solids		248	mg/L			IN7475
Turbidity		2	NTU			IN7490
<b>RADS</b>						
Alpha activity		3.4	pCi/L	1.7		RL-7122
Beta activity		9	pCi/L	2		RL-7122
Technetium-99		1	pCi/L	11		RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L			SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L			SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1-Dichloroethane	U	0.005	mg/L			SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L			SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L			SW846-8260

## MW224

## C746SG97-01

## C-746S&amp;T Groundwater Monitoring 1st Quarter FY97

1,2-Dibromoethane	U	0.005	mg/L	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	SW846-8260
2-Butanone	U	0.005	mg/L	SW846-8260
2-Chloroethyl vinyl ether	U	0.005	mg/L	SW846-8260
2-Hexanone	U	0.005	mg/L	SW846-8260
4-Methyl-2-pentanone	U	0.005	mg/L	SW846-8260
Acetone	U	0.005	mg/L	SW846-8260
Acrolein	U	0.005	mg/L	SW846-8030
Acrylonitrile	U	0.005	mg/L	SW846-8030
Benzene	U	0.005	mg/L	SW846-8260
Bromochloromethane	U	0.005	mg/L	SW846-8260
Bromodichloromethane	U	0.005	mg/L	SW846-8260
Bromoform	U	0.005	mg/L	SW846-8260
Bromomethane	U	0.005	mg/L	SW846-8260
Carbon disulfide	U	0.005	mg/L	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	SW846-8260
Chlorobenzene	U	0.005	mg/L	SW846-8260
Chloroethane	U	0.005	mg/L	SW846-8260
Chloromethane	U	0.005	mg/L	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Dibromochloromethane	U	0.005	mg/L	SW846-8260
Dibromomethane	U	0.005	mg/L	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	SW846-8260
Ethanol	U	0.25	mg/L	SW846-8015
Ethyl methacrylate	U	0.005	mg/L	SW846-8260
Ethylbenzene	U	0.005	mg/L	SW846-8260
Iodomethane	U	0.005	mg/L	SW846-8260
Methylene chloride	U	0.005	mg/L	SW846-8260
Styrene	U	0.005	mg/L	SW846-8260
Tetrachloroethene	U	0.005	mg/L	SW846-8260
Toluene	U	0.005	mg/L	SW846-8260
Total Xylene	U	0.01	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L	SW846-8260
Trichloroethene		0.002	mg/L	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L	SW846-8260
Vinyl acetate	U	0.005	mg/L	SW846-8260
Vinyl chloride	U	0.002	mg/L	SW846-8260

MW263

C746SG97-01

C-746S&T Groundwater Monitoring 1st Quarter FY97

6207-96

Collected: 10/9/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		35.6	mg/L			IN7120
Nitrate as Nitrogen	U	1	mg/L			IN7120
Total Organic Carbon (TOC)		1	mg/L			W-150
Total Organic Halides (TOX)		0.038	mg/L			SW846-9020
<b>Field P</b>						
Depth to Water		33.35	ft			
Dissolved Oxygen		1.05	mg/L			
pH		6	Std Unit			
Specific Conductivity (PIP)		558	umho/cm			
Temperature		60	deg F			
<b>METAL</b>						
Barium		0.068	mg/L			SW846-6010
Beryllium	U	0.025	mg/L			SW846-6010
Cadmium	BU	0.005	mg/L			SW846-7131
Chromium		1.83	mg/L			SW846-6010
Cobalt	U	0.1	mg/L			SW846-6010
Copper	U	0.1	mg/L			SW846-6010
Iron		6.23	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Nickel	U	0.1	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	U	0.05	mg/L			SW846-6010
Sodium	N	44.6	mg/L			SW846-6010
Thallium	U	0.3	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Vanadium	U	0.25	mg/L			SW846-6010
Zinc	BU	0.25	mg/L			SW846-6010
<b>METAL-D</b>						
Barium		0.054	mg/L			SW846-6010
Chromium	U	0.05	mg/L			SW846-6010
<b>PHYSC</b>						
Chemical Oxygen Demand (COD)	<	5	mg/L			IN7430
Dissolved Solids		356	mg/L			IN7475
Turbidity		60	NTU			IN7490
<b>RADS</b>						
Alpha activity		6.1	pCi/L	2.2		RL-7122
Beta activity		63	pCi/L	6		RL-7122
Technetium-99		8	pCi/L	11		RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L			SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L			SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1-Dichloroethane	U	0.005	mg/L			SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L			SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L			SW846-8260

## MW263

## C746SG97-01

## C-746S&amp;T Groundwater Monitoring 1st Quarter FY97

1,2-Dibromoethane	U	0.005	mg/L	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	SW846-8260
2-Butanone	U	0.005	mg/L	SW846-8260
2-Chloroethyl vinyl ether	U	0.005	mg/L	SW846-8260
2-Hexanone	U	0.005	mg/L	SW846-8260
4-Methyl-2-pentanone	U	0.005	mg/L	SW846-8260
Acetone	U	0.005	mg/L	SW846-8260
Acrolein	U	0.005	mg/L	SW846-8030
Acrylonitrile	U	0.005	mg/L	SW846-8030
Benzene	U	0.005	mg/L	SW846-8260
Bromochloromethane	U	0.005	mg/L	SW846-8260
Bromodichloromethane	U	0.005	mg/L	SW846-8260
Bromoform	U	0.005	mg/L	SW846-8260
Bromomethane	U	0.005	mg/L	SW846-8260
Carbon disulfide	U	0.005	mg/L	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	SW846-8260
Chlorobenzene	U	0.005	mg/L	SW846-8260
Chloroethane	U	0.005	mg/L	SW846-8260
Chloromethane	U	0.005	mg/L	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Dibromochloromethane	U	0.005	mg/L	SW846-8260
Dibromomethane	U	0.005	mg/L	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	SW846-8260
Ethanol	U	0.25	mg/L	SW846-8015
Ethyl methacrylate	U	0.005	mg/L	SW846-8260
Ethylbenzene	U	0.005	mg/L	SW846-8260
Iodomethane	U	0.005	mg/L	SW846-8260
Methylene chloride	U	0.005	mg/L	SW846-8260
Styrene	U	0.005	mg/L	SW846-8260
Tetrachloroethene	U	0.005	mg/L	SW846-8260
Toluene	U	0.005	mg/L	SW846-8260
Total Xylene	U	0.01	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L	SW846-8260
Trichloroethene		0.006	mg/L	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L	SW846-8260
Vinyl acetate	U	0.005	mg/L	SW846-8260
Vinyl chloride	U	0.002	mg/L	SW846-8260

**MW264**

**C746SG97-01**

**C-746S&T Groundwater Monitoring 1st Quarter FY97**

**6208-96**

Collected: 10/9/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		50.6	mg/L			IN7120
Nitrate as Nitrogen	U	1	mg/L			IN7120
Total Organic Carbon (TOC)	U	1	mg/L			ST7480
Total Organic Halides (TOX)		0.035	mg/L			SW846-9020
<b>Field P</b>						
Depth to Water		38.7	ft			
Dissolved Oxygen		0.89	mg/L			
pH		6.3	Std Unit			
Specific Conductivity (PIP)		652	umho/cm			
Temperature		59	deg F			
<b>METAL</b>						
Barium		0.166	mg/L			SW846-6010
Beryllium	U	0.025	mg/L			SW846-6010
Cadmium	BU	0.005	mg/L			SW846-7131
Chromium	U	0.05	mg/L			SW846-6010
Cobalt	U	0.1	mg/L			SW846-6010
Copper	U	0.1	mg/L			SW846-6010
Iron		0.32	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Nickel	U	0.1	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	U	0.05	mg/L			SW846-6010
Sodium	N	48.5	mg/L			SW846-6010
Thallium	U	0.3	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Vanadium	U	0.25	mg/L			SW846-6010
Zinc	BU	0.25	mg/L			SW846-6010
<b>METAL-D</b>						
Barium		0.148	mg/L			SW846-6010
<b>PHYSC</b>						
Chemical Oxygen Demand (COD)		5	mg/L			IN7430
Dissolved Solids		296	mg/L			IN7475
Turbidity		5.5	NTU			IN7490
<b>RADS</b>						
Alpha activity		4.8	pCi/L	2.1		RL-7122
Beta activity		16	pCi/L	3		RL-7122
Technetium-99		0	pCi/L	0		RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L			SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L			SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1-Dichloroethane	U	0.005	mg/L			SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L			SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L			SW846-8260
1,2-Dibromoethane	U	0.005	mg/L			SW846-8260

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1,2-Dichloroethane	U	0.005	mg/L	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	SW846-8260
2-Butanone	U	0.005	mg/L	SW846-8260
2-Chloroethyl vinyl ether	U	0.005	mg/L	SW846-8260
2-Hexanone	U	0.005	mg/L	SW846-8260
4-Methyl-2-pentanone	U	0.005	mg/L	SW846-8260
Acetone	U	0.005	mg/L	SW846-8260
Acrolein	U	0.005	mg/L	SW846-8030
Acrylonitrile	U	0.005	mg/L	SW846-8030
Benzene	U	0.005	mg/L	SW846-8260
Bromochloromethane	U	0.005	mg/L	SW846-8260
Bromodichloromethane	U	0.005	mg/L	SW846-8260
Bromoform	U	0.005	mg/L	SW846-8260
Bromomethane	U	0.005	mg/L	SW846-8260
Carbon disulfide	U	0.005	mg/L	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	SW846-8260
Chlorobenzene	U	0.005	mg/L	SW846-8260
Chloroethane	U	0.005	mg/L	SW846-8260
Chloromethane	U	0.005	mg/L	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Dibromochloromethane	U	0.005	mg/L	SW846-8260
Dibromomethane	U	0.005	mg/L	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	SW846-8260
Ethanol	U	0.25	mg/L	SW846-8015
Ethyl methacrylate	U	0.005	mg/L	SW846-8260
Ethylbenzene	U	0.005	mg/L	SW846-8260
Iodomethane	U	0.005	mg/L	SW846-8260
Methylene chloride	U	0.005	mg/L	SW846-8260
Styrene	U	0.005	mg/L	SW846-8260
Tetrachloroethene	U	0.005	mg/L	SW846-8260
Toluene	U	0.005	mg/L	SW846-8260
Total Xylene	U	0.01	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L	SW846-8260
Trichloroethene		0.001	mg/L	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L	SW846-8260
Vinyl acetate	U	0.005	mg/L	SW846-8260
Vinyl chloride	U	0.002	mg/L	SW846-8260



MW265

C746SG97-01

C-746S&T Groundwater Monitoring 1st Quarter FY97

6209-96

Collected: 10/9/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		36.6	mg/L			IN7120
Nitrate as Nitrogen		1	mg/L			IN7120
Total Organic Carbon (TOC)	U	1	mg/L			ST7480
Total Organic Halides (TOX)	U	0.025	mg/L			SW846-9020
<b>Field P</b>						
Depth to Water		41.99	ft			
Dissolved Oxygen		1.55	mg/L			
pH		6.1	Std Unit			
Specific Conductivity (PIP)		379	umho/cm			
Temperature		62	deg F			
<b>METAL</b>						
Barium		0.25	mg/L			SW846-6010
Beryllium	U	0.025	mg/L			SW846-6010
Cadmium	BU	0.005	mg/L			SW846-7131
Chromium		1.61	mg/L			SW846-6010
Cobalt	U	0.1	mg/L			SW846-6010
Copper	U	0.1	mg/L			SW846-6010
Iron		10.1	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Nickel	U	0.1	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	U	0.05	mg/L			SW846-6010
Sodium	N	39.8	mg/L			SW846-6010
Thallium	U	0.3	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Vanadium	U	0.25	mg/L			SW846-6010
Zinc	BU	0.25	mg/L			SW846-6010
<b>METAL-D</b>						
Barium		0.187	mg/L			SW846-6010
Chromium	U	0.05	mg/L			SW846-6010
<b>PHYSC</b>						
Chemical Oxygen Demand (COD)		5	mg/L			IN7430
Dissolved Solids		193	mg/L			IN7475
Turbidity		68	NTU			IN7490
<b>RADS</b>						
Alpha activity		2.8	pCi/L	1.4		RL-7122
Beta activity		12	pCi/L	2		RL-7122
Technetium-99		2	pCi/L	11		RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L			SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L			SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1-Dichloroethane	U	0.005	mg/L			SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L			SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L			SW846-8260

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## C746SG97-01

## C-746S&amp;T Groundwater Monitoring 1st Quarter FY97

1,2-Dibromoethane	U	0.005	mg/L	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	SW846-8260
2-Butanone	U	0.005	mg/L	SW846-8260
2-Chloroethyl vinyl ether	U	0.005	mg/L	SW846-8260
2-Hexanone	U	0.005	mg/L	SW846-8260
4-Methyl-2-pentanone	U	0.005	mg/L	SW846-8260
Acetone	U	0.005	mg/L	SW846-8260
Acrolein	U	0.005	mg/L	SW846-8030
Acrylonitrile	U	0.005	mg/L	SW846-8030
Benzene	U	0.005	mg/L	SW846-8260
Bromochloromethane	U	0.005	mg/L	SW846-8260
Bromodichloromethane	U	0.005	mg/L	SW846-8260
Bromoform	U	0.005	mg/L	SW846-8260
Bromomethane	U	0.005	mg/L	SW846-8260
Carbon disulfide	U	0.005	mg/L	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	SW846-8260
Chlorobenzene	U	0.005	mg/L	SW846-8260
Chloroethane	U	0.005	mg/L	SW846-8260
Chloromethane	U	0.005	mg/L	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Dibromochloromethane	U	0.005	mg/L	SW846-8260
Dibromomethane	U	0.005	mg/L	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	SW846-8260
Ethanol	U	0.25	mg/L	SW846-8015
Ethyl methacrylate	U	0.005	mg/L	SW846-8260
Ethylbenzene	U	0.005	mg/L	SW846-8260
Iodomethane	U	0.005	mg/L	SW846-8260
Methylene chloride	U	0.005	mg/L	SW846-8260
Styrene	U	0.005	mg/L	SW846-8260
Tetrachloroethene	U	0.005	mg/L	SW846-8260
Toluene	U	0.005	mg/L	SW846-8260
Total Xylene	U	0.01	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L	SW846-8260
Trichloroethene		0.002	mg/L	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L	SW846-8260
Vinyl acetate	U	0.005	mg/L	SW846-8260
Vinyl chloride	U	0.002	mg/L	SW846-8260

MW266

C746SG97-01

C-746S&T Groundwater Monitoring 1st Quarter FY97

6210-96

Collected: 10/7/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		45.9	mg/L			IN7120
Nitrate as Nitrogen		1	mg/L			IN7120
Total Organic Carbon (TOC)	U	1	mg/L			ST7480
Total Organic Halides (TOX)	U	0.025	mg/L			SW846-9020
<b>Field P</b>						
Depth to Water		38.5	ft			
Dissolved Oxygen		1.63	mg/L			
pH		5.9	Std Unit			
Specific Conductivity (PIP)		514	umho/cm			
Temperature		62	deg F			
<b>METAL</b>						
Barium	U	0.05	mg/L			SW846-6010
Beryllium	U	0.025	mg/L			SW846-6010
Cadmium	BU	0.005	mg/L			SW846-7131
Chromium		1.91	mg/L			SW846-6010
Cobalt	U	0.1	mg/L			SW846-6010
Copper	U	0.1	mg/L			SW846-6010
Iron		6.52	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Nickel		0.274	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	U	0.05	mg/L			SW846-6010
Sodium	N	32.1	mg/L			SW846-6010
Thallium	U	0.3	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Vanadium	U	0.25	mg/L			SW846-6010
Zinc	BU	0.25	mg/L			SW846-6010
<b>METAL-D</b>						
Chromium	U	0.05	mg/L			SW846-6010
<b>PHYSC</b>						
Chemical Oxygen Demand (COD)	<	5	mg/L			IN7430
Dissolved Solids		282	mg/L			IN7475
Turbidity		93	NTU			IN7490
<b>RADS</b>						
Alpha activity		3.2	pCi/L	1.6		RL-7122
Beta activity		13	pCi/L	2		RL-7122
Technetium-99		0	pCi/L	0		RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L			SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L			SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1-Dichloroethane	U	0.005	mg/L			SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L			SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L			SW846-8260
1,2-Dibromoethane	U	0.005	mg/L			SW846-8260

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## C746SG97-01

## C-746S&amp;T Groundwater Monitoring 1st Quarter FY97

1,2-Dichloroethane	U	0.005	mg/L	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	SW846-8260
2-Butanone	U	0.005	mg/L	SW846-8260
2-Chloroethyl vinyl ether	U	0.005	mg/L	SW846-8260
2-Hexanone	U	0.005	mg/L	SW846-8260
4-Methyl-2-pentanone	U	0.005	mg/L	SW846-8260
Acetone	U	0.005	mg/L	SW846-8260
Acrolein	U	0.005	mg/L	SW846-8030
Acrylonitrile	U	0.005	mg/L	SW846-8030
Benzene	U	0.005	mg/L	SW846-8260
Bromochloromethane	U	0.005	mg/L	SW846-8260
Bromodichloromethane	U	0.005	mg/L	SW846-8260
Bromoform	U	0.005	mg/L	SW846-8260
Bromomethane	U	0.005	mg/L	SW846-8260
Carbon disulfide	U	0.005	mg/L	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	SW846-8260
Chlorobenzene	U	0.005	mg/L	SW846-8260
Chloroethane	U	0.005	mg/L	SW846-8260
Chloromethane	U	0.005	mg/L	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Dibromochloromethane	U	0.005	mg/L	SW846-8260
Dibromomethane	U	0.005	mg/L	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	SW846-8260
Ethanol	U	0.25	mg/L	SW846-8015
Ethyl methacrylate	U	0.005	mg/L	SW846-8260
Ethylbenzene	U	0.005	mg/L	SW846-8260
Iodomethane	U	0.005	mg/L	SW846-8260
Methylene chloride	U	0.005	mg/L	SW846-8260
Styrene	U	0.005	mg/L	SW846-8260
Tetrachloroethene	U	0.005	mg/L	SW846-8260
Toluene	U	0.005	mg/L	SW846-8260
Total Xylene	U	0.01	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L	SW846-8260
Trichloroethene		0.002	mg/L	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L	SW846-8260
Vinyl acetate	U	0.005	mg/L	SW846-8260
Vinyl chloride	U	0.002	mg/L	SW846-8260

MW266

C746SG97-01

C-746S&T Groundwater Monitoring 1st Quarter FY97

6212-96

Collected: 10/7/1996

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		41.5	mg/L			IN7120
Nitrate as Nitrogen		1	mg/L			IN7120
Total Organic Carbon (TOC)	U	1	mg/L			ST7480
Total Organic Halides (TOX)	U	0.025	mg/L			SW846-9020
<b>Field P</b>						
Depth to Water		38.5	ft			
Dissolved Oxygen		1.63	mg/L			
pH		5.9	Std Unit			
Specific Conductivity (PIP)		514	umho/cm			
Temperature		62	deg F			
<b>METAL</b>						
Barium	U	0.05	mg/L			SW846-6010
Beryllium	U	0.025	mg/L			SW846-6010
Cadmium	BU	0.005	mg/L			SW846-7131
Chromium		0.66	mg/L			SW846-6010
Cobalt	U	0.1	mg/L			SW846-6010
Copper	U	0.1	mg/L			SW846-6010
Iron		2.38	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Nickel		0.202	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	U	0.05	mg/L			SW846-6010
Sodium	N	32	mg/L			SW846-6010
Thallium	U	0.3	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Vanadium	U	0.25	mg/L			SW846-6010
Zinc	BU	0.25	mg/L			SW846-6010
<b>METAL-D</b>						
Chromium	U	0.05	mg/L			SW846-6010
<b>PHYSC</b>						
Chemical Oxygen Demand (COD)	<	5	mg/L			IN7430
Dissolved Solids		275	mg/L			IN7475
Turbidity		25	NTU			IN7490
<b>RADS</b>						
Alpha activity		3.5	pCi/L	1.7		RL-7122
Beta activity		17	pCi/L	3		RL-7122
Technetium-99		0	pCi/L	0		RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L			SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L			SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1-Dichloroethane	U	0.005	mg/L			SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L			SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L			SW846-8260
1,2-Dibromoethane	U	0.005	mg/L			SW846-8260

## MW266

## C746SG97-01

## C-746S&amp;T Groundwater Monitoring 1st Quarter FY97

1,2-Dichloroethane	U	0.005	mg/L	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	SW846-8260
2-Butanone	U	0.005	mg/L	SW846-8260
2-Chloroethyl vinyl ether	U	0.005	mg/L	SW846-8260
2-Hexanone	U	0.005	mg/L	SW846-8260
4-Methyl-2-pentanone	U	0.005	mg/L	SW846-8260
Acetone	U	0.005	mg/L	SW846-8260
Acrolein	U	0.005	mg/L	SW846-8030
Acrylonitrile	U	0.005	mg/L	SW846-8030
Benzene	U	0.005	mg/L	SW846-8260
Bromochloromethane	U	0.005	mg/L	SW846-8260
Bromodichloromethane	U	0.005	mg/L	SW846-8260
Bromoform	U	0.005	mg/L	SW846-8260
Bromomethane	U	0.005	mg/L	SW846-8260
Carbon disulfide	U	0.005	mg/L	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	SW846-8260
Chlorobenzene	U	0.005	mg/L	SW846-8260
Chloroethane	U	0.005	mg/L	SW846-8260
Chloromethane	U	0.005	mg/L	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Dibromochloromethane	U	0.005	mg/L	SW846-8260
Dibromomethane	U	0.005	mg/L	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	SW846-8260
Ethanol	U	0.25	mg/L	SW846-8015
Ethyl methacrylate	U	0.005	mg/L	SW846-8260
Ethylbenzene	U	0.005	mg/L	SW846-8260
Iodomethane	U	0.005	mg/L	SW846-8260
Methylene chloride	U	0.005	mg/L	SW846-8260
Styrene	U	0.005	mg/L	SW846-8260
Tetrachloroethene	U	0.005	mg/L	SW846-8260
Toluene	U	0.005	mg/L	SW846-8260
Total Xylene	U	0.01	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L	SW846-8260
Trichloroethene		0.002	mg/L	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L	SW846-8260
Vinyl acetate	U	0.005	mg/L	SW846-8260
Vinyl chloride	U	0.002	mg/L	SW846-8260

MW267

C746SG97-01

C-746S&amp;T Groundwater Monitoring 1st Quarter FY97

6211-96

Collected: 10/9/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		46.2	mg/L			IN7120
Nitrate as Nitrogen		2.8	mg/L			IN7120
Total Organic Carbon (TOC)	U	1	mg/L			ST7480
Total Organic Halides (TOX)	U	0.025	mg/L			SW846-9020
<b>Field P</b>						
Depth to Water		53.6	ft			
Dissolved Oxygen		3.57	mg/L			
pH		5.8	Std Unit			
Specific Conductivity (PIP)		374	umho/cm			
Temperature		60	deg F			
<b>METAL</b>						
Barium		0.212	mg/L			SW846-6010
Beryllium	U	0.025	mg/L			SW846-6010
Cadmium	BU	0.005	mg/L			SW846-7131
Chromium		0.277	mg/L			SW846-6010
Cobalt	U	0.1	mg/L			SW846-6010
Copper	U	0.1	mg/L			SW846-6010
Iron		1.03	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Nickel	U	0.1	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	U	0.05	mg/L			SW846-6010
Sodium	N	36	mg/L			SW846-6010
Thallium	U	0.3	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Vanadium	U	0.25	mg/L			SW846-6010
Zinc	BU	0.25	mg/L			SW846-6010
<b>METAL-D</b>						
Barium		0.177	mg/L			SW846-6010
Chromium	U	0.05	mg/L			SW846-6010
<b>PHYSC</b>						
Chemical Oxygen Demand (COD)	<	5	mg/L			IN7430
Dissolved Solids		190	mg/L			IN7475
Turbidity		13	NTU			IN7490
<b>RADS</b>						
Alpha activity		5.8	pCi/L	2.3		RL-7122
Beta activity		14	pCi/L	2		RL-7122
Technetium-99		2	pCi/L	11		RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L			SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L			SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1-Dichloroethane	U	0.005	mg/L			SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L			SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L			SW846-8260

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## C746SG97-01

## C-746S&amp;T Groundwater Monitoring 1st Quarter FY97

1,2-Dibromoethane	U	0.005	mg/L	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	SW846-8260
2-Butanone	U	0.005	mg/L	SW846-8260
2-Chloroethyl vinyl ether	U	0.005	mg/L	SW846-8260
2-Hexanone	U	0.005	mg/L	SW846-8260
4-Methyl-2-pentanone	U	0.005	mg/L	SW846-8260
Acetone	U	0.005	mg/L	SW846-8260
Acrolein	U	0.005	mg/L	SW846-8030
Acrylonitrile	U	0.005	mg/L	SW846-8030
Benzene	U	0.005	mg/L	SW846-8260
Bromochloromethane	U	0.005	mg/L	SW846-8260
Bromodichloromethane	U	0.005	mg/L	SW846-8260
Bromoform	U	0.005	mg/L	SW846-8260
Bromomethane	U	0.005	mg/L	SW846-8260
Carbon disulfide	U	0.005	mg/L	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	SW846-8260
Chlorobenzene	U	0.005	mg/L	SW846-8260
Chloroethane	U	0.005	mg/L	SW846-8260
Chloromethane	U	0.005	mg/L	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Dibromochloromethane	U	0.005	mg/L	SW846-8260
Dibromomethane	U	0.005	mg/L	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	SW846-8260
Ethanol	U	0.25	mg/L	SW846-8015
Ethyl methacrylate	U	0.005	mg/L	SW846-8260
Ethylbenzene	U	0.005	mg/L	SW846-8260
Iodomethane	U	0.005	mg/L	SW846-8260
Methylene chloride	U	0.005	mg/L	SW846-8260
Styrene	U	0.005	mg/L	SW846-8260
Tetrachloroethene	U	0.005	mg/L	SW846-8260
Toluene	U	0.005	mg/L	SW846-8260
Total Xylene	U	0.01	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L	SW846-8260
Trichloroethene	U	0.001	mg/L	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L	SW846-8260
Vinyl acetate	U	0.005	mg/L	SW846-8260
Vinyl chloride	U	0.002	mg/L	SW846-8260



MW181

C746SG97-02

C-746S&T Assessment

6320-96

Collected: 11/14/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bicarbonate	H	165	mg/L			SM-2320 B
Carbonate	UH	1	mg/L			SM-2320 B
Chloride		54	mg/L			SW846-9056
Sulfate		20	mg/L			SW846-9056
Total Organic Carbon (TOC)	U	1	mg/L			SW846-9060
<b>Field P</b>						
Depth to Water		45.56	ft			
Dissolved Oxygen		7.16	mg/L			
pH		6.14	Std Unit			
Specific Conductivity (PIP)		456	umho/cm			
Temperature		13.9	deg F			
<b>METAL</b>						
Aluminum		1.57	mg/L			SW846-6010
Antimony	U	0.005	mg/L			SW846-6010
Arsenic	B	0.0018	mg/L			SW846-7060
Barium		0.238	mg/L			SW846-6010
Beryllium	B	0.0002	mg/L			SW846-6010
Cadmium	B	0.0001	mg/L			SW846-7131
Calcium		32.9	mg/L			SW846-6010
Chromium		0.294	mg/L			SW846-6010
Cobalt	B	0.0049	mg/L			SW846-6010
Copper		0.012	mg/L			SW846-6010
Iron		6.52	mg/L			SW846-6010
Lead		0.0051	mg/L			SW846-7421
Magnesium		12	mg/L			SW846-6010
Manganese		0.591	mg/L			SW846-6010
Nickel		0.138	mg/L			SW846-6010
Potassium	B	1.64	mg/L			SW846-6010
Selenium	U	0.0014	mg/L			SW846-7740
Silver	B	0.001	mg/L			SW846-6010
Sodium		44.8	mg/L			SW846-6010
Thallium	U	0.005	mg/L			SW846-6010
Vanadium	B	0.004	mg/L			SW846-6010
Zinc		0.037	mg/L			SW846-6010
<b>METAL-D</b>						
Aluminum	B	0.02	mg/L			SW846-6010
Calcium		32.8	mg/L			SW846-6010
Chromium	B	0.0071	mg/L			SW846-6010
Iron	U	0.02	mg/L			SW846-6010
Magnesium		12.1	mg/L			SW846-6010
Manganese		0.0184	mg/L			SW846-6010
Nickel		0.108	mg/L			SW846-6010
Sodium		41.2	mg/L			SW846-6010
<b>PHYSC</b>						
Dissolved Solids		280	mg/L			EPA-160.1
Specific Conductivity (PIP)		474	umho/cm			SW846-9050
Suspended Solids		37	mg/L			EPA-160.2
Turbidity		110	NTU			IN7490
<b>RADS</b>						

**MW181**

**C746SG97-02**

**C-746S&T Assessment**

Alpha activity	U	150	pCi/L		RL-7119
Alpha activity		2.4	pCi/L	3.7	SW846-9310
Beta activity		87.5	pCi/L	5.5	SW846-9310
Beta activity	U	230	pCi/L		RL-7119
Technetium-99		178	pCi/L	9.6	HASL 300
<b>VOA</b>					
Trichloroethene	U	0.005	mg/L		SW846-8260

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MW181

C746SG97-02

C-746S&T Assessment

6321-96

Collected: 11/14/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Bicarbonate	H	183	mg/L			SM-2320 B
Carbonate	UH	1	mg/L			SM-2320 B
Chloride		52	mg/L			SW846-9056
Sulfate		20	mg/L			SW846-9056
Total Organic Carbon (TOC)	U	1	mg/L			SW846-9060
<b>Field P</b>						
Depth to Water		45.51	ft			
Dissolved Oxygen		5.12	mg/L			
pH		6.02	Std Unit			
Specific Conductivity (PIP)		467	umho/cm			
Temperature		60	deg F			
<b>METAL</b>						
Aluminum		1.66	mg/L			SW846-6010
Antimony	U	0.005	mg/L			SW846-6010
Arsenic	B	0.001	mg/L			SW846-7060
Barium		0.209	mg/L			SW846-6010
Beryllium	B	0.0002	mg/L			SW846-6010
Cadmium	B	0.0001	mg/L			SW846-7131
Calcium		31.3	mg/L			SW846-6010
Chromium		0.199	mg/L			SW846-6010
Cobalt	B	0.0025	mg/L			SW846-6010
Copper	B	0.004	mg/L			SW846-6010
Iron		3.69	mg/L			SW846-6010
Lead	B	0.0016	mg/L			SW846-7421
Magnesium		11.6	mg/L			SW846-6010
Manganese		0.323	mg/L			SW846-6010
Nickel		0.061	mg/L			SW846-6010
Potassium	B	1.38	mg/L			SW846-6010
Selenium	U	0.0014	mg/L			SW846-7740
Silver	B	0.0008	mg/L			SW846-6010
Sodium		42.9	mg/L			SW846-6010
Thallium	U	0.005	mg/L			SW846-6010
Vanadium	B	0.004	mg/L			SW846-6010
Zinc		0.0114	mg/L			SW846-6010
<b>METAL-D</b>						
Aluminum	U	0.02	mg/L			SW846-6010
Calcium		33.4	mg/L			SW846-6010
Chromium	B	0.0061	mg/L			SW846-6010
Iron	U	0.02	mg/L			SW846-6010
Magnesium		12.3	mg/L			SW846-6010
Manganese	B	0.0094	mg/L			SW846-6010
Sodium		41.6	mg/L			SW846-6010
<b>PHYSC</b>						
Dissolved Solids		270	mg/L			EPA-160.1
Specific Conductivity (PIP)		484	umho/cm			SW846-9050
Suspended Solids		14	mg/L			EPA-160.2
Turbidity		50	NTU			IN7490
<b>RADS</b>						
Alpha activity		4.9	pCi/L	4		SW846-9310

**MW181**

**C746SG97-02**

**C-746S&T Assessment**

Beta activity		81.4	pCi/L	5.4	SW846-9310
Technetium-99		162	pCi/L	9.7	HASL 300
<b>VOA</b>					
Trichloroethene	U	0.005	mg/L		SW846-8260

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MW181

C746SG97-02

C-746S&T Assessment

6322-96

Collected: 11/14/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bicarbonate	H	185	mg/L			SM-2320 B
Carbonate	UH	1	mg/L			SM-2320 B
Chloride		52	mg/L			SW846-9056
Sulfate		20	mg/L			SW846-9056
Total Organic Carbon (TOC)	U	1	mg/L			SW846-9060
<b>Field P</b>						
Depth to Water		45.55	ft			
Dissolved Oxygen		6.4	mg/L			
pH		6.1	Std Unit			
Specific Conductivity (PIP)		472	umho/cm			
Temperature		59	deg F			
<b>METAL</b>						
Aluminum		0.77	mg/L			SW846-6010
Antimony	U	0.005	mg/L			SW846-6010
Arsenic	B	0.0008	mg/L			SW846-7060
Barium		0.19	mg/L			SW846-6010
Beryllium	U	0.0001	mg/L			SW846-6010
Cadmium	U	0.0001	mg/L			SW846-7131
Calcium		31.5	mg/L			SW846-6010
Chromium		0.185	mg/L			SW846-6010
Cobalt	U	0.0008	mg/L			SW846-6010
Copper	B	0.004	mg/L			SW846-6010
Iron		2.18	mg/L			SW846-6010
Lead	U	0.0016	mg/L			SW846-7421
Magnesium		11.7	mg/L			SW846-6010
Manganese		0.149	mg/L			SW846-6010
Nickel		0.044	mg/L			SW846-6010
Potassium	B	1.28	mg/L			SW846-6010
Selenium	U	0.0014	mg/L			SW846-7740
Silver	U	0.0007	mg/L			SW846-6010
Sodium		43	mg/L			SW846-6010
Thallium	U	0.005	mg/L			SW846-6010
Vanadium	B	0.002	mg/L			SW846-6010
Zinc	B	0.0052	mg/L			SW846-6010
<b>METAL-D</b>						
Aluminum	B	0.03	mg/L			SW846-6010
Calcium		33.6	mg/L			SW846-6010
Chromium	B	0.0073	mg/L			SW846-6010
Iron	U	0.02	mg/L			SW846-6010
Magnesium		12.5	mg/L			SW846-6010
Manganese	B	0.0078	mg/L			SW846-6010
Sodium		41.9	mg/L			SW846-6010
<b>PHYSC</b>						
Dissolved Solids		280	mg/L			EPA-160.1
Specific Conductivity (PIP)		487	umho/cm			SW846-9050
Suspended Solids		8	mg/L			EPA-160.2
Turbidity		25	NTU			IN7490
<b>RADS</b>						
Alpha activity		0.3	pCi/L	3.1		SW846-9310

**MW181**

**C746SG97-02**

**C-746S&T Assessment**

Beta activity		71.1	pCi/L	5.1	SW846-9310
Technetium-99		157	pCi/L	9.7	HASL 300
<b>VOA</b>					
Trichloroethene	U	0.005	mg/L		SW846-8260

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MW181

C746SG97-02

C-746S&T Assessment

6330-96

Collected: 11/14/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bicarbonate	H	178	mg/L			SM-2320 B
Carbonate	UH	1	mg/L			SM-2320 B
Chloride		53	mg/L			SW846-9056
Sulfate		20	mg/L			SW846-9056
Total Organic Carbon (TOC)	U	1	mg/L			SW846-9060
<b>Field P</b>						
Depth to Water		45.56	ft			
Dissolved Oxygen		7.16	mg/L			
pH		6.14	Std Unit			
Specific Conductivity (PIP)		456	umho/cm			
Temperature		57	deg F			
<b>METAL</b>						
Aluminum	U	0.02	mg/L			SW846-6010
Antimony	U	0.005	mg/L			SW846-6010
Arsenic	U	0.0007	mg/L			SW846-7060
Barium		0.169	mg/L			SW846-6010
Beryllium	U	0.0001	mg/L			SW846-6010
Cadmium	U	0.0001	mg/L			SW846-7131
Calcium		31	mg/L			SW846-6010
Chromium	B	0.0086	mg/L			SW846-6010
Cobalt	U	0.0008	mg/L			SW846-6010
Copper	B	0.0021	mg/L			SW846-6010
Iron	U	0.02	mg/L			SW846-6010
Lead	U	0.0016	mg/L			SW846-7421
Magnesium		11.4	mg/L			SW846-6010
Manganese	B	0.0067	mg/L			SW846-6010
Nickel	B	0.035	mg/L			SW846-6010
Potassium	B	1.15	mg/L			SW846-6010
Selenium	U	0.0014	mg/L			SW846-7740
Silver	U	0.0007	mg/L			SW846-6010
Sodium		42.5	mg/L			SW846-6010
Thallium	U	0.005	mg/L			SW846-6010
Vanadium	U	0.001	mg/L			SW846-6010
Zinc		0.02	mg/L			SW846-6010
<b>METAL-D</b>						
Calcium		34.3	mg/L			SW846-6010
Magnesium		12.7	mg/L			SW846-6010
Sodium		42.2	mg/L			SW846-6010
<b>PHYSC</b>						
Dissolved Solids		280	mg/L			EPA-160.1
Specific Conductivity (PIP)		481	umho/cm			SW846-9050
Suspended Solids		4	mg/L			EPA-160.2
Turbidity		19	NTU			IN7490
<b>RADS</b>						
Alpha activity		0.3	pCi/L	3.1		SW846-9310
Beta activity		69.2	pCi/L	5		SW846-9310
Technetium-99		165	pCi/L	10.1		HASL 300
<b>VOA</b>						
Trichloroethene	U	0.005	mg/L			SW846-8260

## MW181

## C746SG97-02

## C-746S&amp;T Assessment

## 6323-96

Collected: 11/15/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bicarbonate	H	178	mg/L			SM-2320 B
Carbonate	UH	1	mg/L			SM-2320 B
Chloride		53	mg/L			SW846-9056
Sulfate		20	mg/L			SW846-9056
Total Organic Carbon (TOC)	U	1	mg/L			SW846-9060
<b>Field P</b>						
Depth to Water		45.45	ft			
Dissolved Oxygen		8.4	mg/L			
pH		6.1	Std Unit			
Specific Conductivity (PIP)		480	umho/cm			
Temperature		58	deg F			
<b>METAL</b>						
Aluminum		1.57	mg/L			SW846-6010
Antimony	U	0.005	mg/L			SW846-6010
Arsenic	B	0.0026	mg/L			SW846-7060
Barium		0.222	mg/L			SW846-6010
Beryllium	U	0.0001	mg/L			SW846-6010
Cadmium	B	0.0001	mg/L			SW846-7131
Calcium		32	mg/L			SW846-6010
Chromium		0.201	mg/L			SW846-6010
Cobalt	B	0.0034	mg/L			SW846-6010
Copper	B	0.0089	mg/L			SW846-6010
Iron		9.08	mg/L			SW846-6010
Lead		0.0052	mg/L			SW846-7421
Magnesium		11.7	mg/L			SW846-6010
Manganese		0.435	mg/L			SW846-6010
Nickel		0.053	mg/L			SW846-6010
Potassium	B	1.43	mg/L			SW846-6010
Selenium	U	0.0014	mg/L			SW846-7740
Silver	U	0.0007	mg/L			SW846-6010
Sodium		44.4	mg/L			SW846-6010
Thallium	U	0.005	mg/L			SW846-6010
Vanadium	B	0.004	mg/L			SW846-6010
Zinc		0.0414	mg/L			SW846-6010
<b>METAL-D</b>						
Aluminum	B	0.02	mg/L			SW846-6010
Calcium		33.3	mg/L			SW846-6010
Chromium	B	0.0064	mg/L			SW846-6010
Iron	U	0.02	mg/L			SW846-6010
Magnesium		12.3	mg/L			SW846-6010
Manganese	B	0.0085	mg/L			SW846-6010
Sodium		41.6	mg/L			SW846-6010
<b>PHYSIC</b>						
Dissolved Solids		280	mg/L			EPA-160.1
Specific Conductivity (PIP)		488	umho/cm			SW846-9050
Suspended Solids		12	mg/L			EPA-160.2
Turbidity		40	NTU			IN7490
<b>RADS</b>						
Alpha activity		2.2	pCi/L	3.5		SW846-9310



**MW181**

**C746SG97-02**

**C-746S&T Assessment**

Beta activity		61.4	pCi/L	4.8	SW846-9310
Technetium-99		190	pCi/L	10.4	HASL 300
<b>VOA</b>					
Trichloroethene	U	0.005	mg/L		SW846-8260

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MW181

C746SG97-02

C-746S&T Assessment

6324-96

Collected: 11/15/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bicarbonate	H	181	mg/L			SM-2320 B
Carbonate	UH	1	mg/L			SM-2320 B
Chloride		52	mg/L			SW846-9056
Sulfate		20	mg/L			SW846-9056
Total Organic Carbon (TOC)	U	1	mg/L			SW846-9060
<b>Field P</b>						
Depth to Water		45.48	ft			
Dissolved Oxygen		5.42	mg/L			
pH		5.8	Std Unit			
Specific Conductivity (PIP)		474	umho/cm			
Temperature		58	deg F			
<b>METAL</b>						
Aluminum		0.3	mg/L			SW846-6010
Antimony	U	0.005	mg/L			SW846-6010
Arsenic	B	0.0008	mg/L			SW846-7060
Barium		0.174	mg/L			SW846-6010
Beryllium	U	0.0001	mg/L			SW846-6010
Cadmium	B	0.0001	mg/L			SW846-7131
Calcium		30.2	mg/L			SW846-6010
Chromium		0.0352	mg/L			SW846-6010
Cobalt	U	0.0008	mg/L			SW846-6010
Copper	U	0.0009	mg/L			SW846-6010
Iron		0.92	mg/L			SW846-6010
Lead	U	0.0016	mg/L			SW846-7421
Magnesium		11.2	mg/L			SW846-6010
Manganese		0.0683	mg/L			SW846-6010
Nickel		0.054	mg/L			SW846-6010
Potassium	B	1.24	mg/L			SW846-6010
Selenium	U	0.0014	mg/L			SW846-7740
Silver	U	0.0007	mg/L			SW846-6010
Sodium		41.7	mg/L			SW846-6010
Thallium	U	0.005	mg/L			SW846-6010
Vanadium	U	0.001	mg/L			SW846-6010
Zinc		0.0143	mg/L			SW846-6010
<b>METAL-D</b>						
Aluminum	B	0.03	mg/L			SW846-6010
Calcium		33.1	mg/L			SW846-6010
Iron	U	0.02	mg/L			SW846-6010
Magnesium		12.2	mg/L			SW846-6010
Manganese	B	0.0087	mg/L			SW846-6010
Sodium		41.1	mg/L			SW846-6010
<b>PHYSC</b>						
Dissolved Solids		270	mg/L			EPA-160.1
Specific Conductivity (PIP)		486	umho/cm			SW846-9050
Suspended Solids	U	4	mg/L			EPA-160.2
Turbidity		13	NTU			IN7490
<b>RADS</b>						
Alpha activity	U	0	pCi/L	3		SW846-9310
Beta activity		60.5	pCi/L	4.8		SW846-9310

**MW181**

**C746SG97-02**

**C-746S&T Assessment**

Technetium-99		160	pCi/L	9.8	HASL 300
<b>VOA</b>					
Trichloroethene	U	0.005	mg/L		SW846-8260

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MW181

C746SG97-02

C-746S&T Assessment

6325-96

Collected: 11/15/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bicarbonate	H	178	mg/L			SM-2320 B
Carbonate	UH	1	mg/L			SM-2320 B
Chloride		52	mg/L			SW846-9056
Sulfate		20	mg/L			SW846-9056
Total Organic Carbon (TOC)	U	1	mg/L			SW846-9060
<b>Field P</b>						
Depth to Water		45.44	ft			
Dissolved Oxygen		5.63	mg/L			
pH		5.8	Std Unit			
Specific Conductivity (PIP)		472	umho/cm			
Temperature		58	deg F			
<b>METAL</b>						
Aluminum		0.08	mg/L			SW846-6010
Antimony	U	0.005	mg/L			SW846-6010
Arsenic	U	0.0007	mg/L			SW846-7060
Barium		0.167	mg/L			SW846-6010
Beryllium	U	0.0001	mg/L			SW846-6010
Cadmium	U	0.0001	mg/L			SW846-7131
Calcium		29.9	mg/L			SW846-6010
Chromium		0.0187	mg/L			SW846-6010
Cobalt	U	0.0008	mg/L			SW846-6010
Copper	B	0.001	mg/L			SW846-6010
Iron		0.29	mg/L			SW846-6010
Lead	B	0.0018	mg/L			SW846-7421
Magnesium		11	mg/L			SW846-6010
Manganese		0.0267	mg/L			SW846-6010
Nickel		0.045	mg/L			SW846-6010
Potassium	B	1.17	mg/L			SW846-6010
Selenium	U	0.0014	mg/L			SW846-7740
Silver	U	0.0007	mg/L			SW846-6010
Sodium		41.4	mg/L			SW846-6010
Thallium	U	0.005	mg/L			SW846-6010
Vanadium	U	0.001	mg/L			SW846-6010
Zinc		0.0261	mg/L			SW846-6010
<b>METAL-D</b>						
Calcium		33.7	mg/L			SW846-6010
Magnesium		12.4	mg/L			SW846-6010
Sodium		41.7	mg/L			SW846-6010
<b>PHYSC</b>						
Dissolved Solids		270	mg/L			EPA-160.1
Specific Conductivity (PIP)		482	umho/cm			SW846-9050
Suspended Solids	U	4	mg/L			EPA-160.2
Turbidity		4.4	NTU			IN7490
<b>RADS</b>						
Alpha activity		5	pCi/L	3.9		SW846-9310
Beta activity		61.5	pCi/L	4.8		SW846-9310
Technetium-99		178	pCi/L	10.8		HASL 300
<b>VOA</b>						
Trichloroethene	U	0.005	mg/L			SW846-8260

## MW181

## C746SG97-02

## C-746S&amp;T Assessment

## 6326-96

Collected: 11/15/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bicarbonate	H	176	mg/L			SM-2320 B
Carbonate	UH	1	mg/L			SM-2320 B
Chloride		54	mg/L			SW846-9056
Sulfate		20	mg/L			SW846-9056
Total Organic Carbon (TOC)	U	1	mg/L			SW846-9060
<b>Field P</b>						
Depth to Water		45.42	ft			
Dissolved Oxygen		5.23	mg/L			
pH		5.4	Std Unit			
Specific Conductivity (PIP)		470	umho/cm			
Temperature		59	deg F			
<b>METAL</b>						
Aluminum	B	0.02	mg/L			SW846-6010
Antimony	U	0.005	mg/L			SW846-6010
Arsenic	U	0.0007	mg/L			SW846-7060
Barium		0.167	mg/L			SW846-6010
Beryllium	U	0.0001	mg/L			SW846-6010
Cadmium	B	0.0001	mg/L			SW846-7131
Calcium		29.9	mg/L			SW846-6010
Chromium		0.0247	mg/L			SW846-6010
Cobalt	U	0.0008	mg/L			SW846-6010
Copper	U	0.0009	mg/L			SW846-6010
Iron		0.18	mg/L			SW846-6010
Lead		0.0024	mg/L			SW846-7421
Magnesium		11.1	mg/L			SW846-6010
Manganese		0.0158	mg/L			SW846-6010
Nickel	B	0.037	mg/L			SW846-6010
Potassium	B	1.15	mg/L			SW846-6010
Selenium	U	0.0014	mg/L			SW846-7740
Silver	U	0.0007	mg/L			SW846-6010
Sodium		41.7	mg/L			SW846-6010
Thallium	U	0.005	mg/L			SW846-6010
Vanadium	U	0.001	mg/L			SW846-6010
Zinc	B	0.0026	mg/L			SW846-6010
<b>METAL-D</b>						
Calcium		33.4	mg/L			SW846-6010
Magnesium		12.3	mg/L			SW846-6010
Sodium		41.3	mg/L			SW846-6010
<b>PHYSC</b>						
Dissolved Solids		270	mg/L			EPA-160.1
Specific Conductivity (PIP)		482	umho/cm			SW846-9050
Suspended Solids	U	4	mg/L			EPA-160.2
Turbidity		4.1	NTU			IN7490
<b>RADS</b>						
Alpha activity	U	0	pCi/L	2.7		SW846-9310
Beta activity		65.4	pCi/L	5		SW846-9310
Technetium-99		184	pCi/L	10.8		HASL 300
<b>VOA</b>						
Trichloroethene	U	0.005	mg/L			SW846-8260

MW181

C746SG97-02

C-746S&T Assessment

6327-96

Collected: 11/18/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Conductivity		469	umho/cm			
Depth to Water		45.15	ft			
Dissolved Oxygen		6.6	mg/L			
pH		6.09	Std Unit			
Temperature		57	deg F			

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MW181

C746SG97-02

C-746S&amp;T Assessment

6328-96

Collected: 12/2/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bicarbonate		154	mg/L			SM-2320 B
Carbonate	U	1	mg/L			SM-2320 B
Chloride		48	mg/L			SW846-9056
Sulfate		20	mg/L			SW846-9056
Total Organic Carbon (TOC)	U	1	mg/L			SW846-9060
<b>Field P</b>						
Depth to Water		44.85	ft			
Dissolved Oxygen		6.8	mg/L			
pH		6.1	Std Unit			
Specific Conductivity (PIP)		471	umho/cm			
Temperature		64	deg F			
<b>METAL</b>						
Aluminum		1.49	mg/L			SW846-6010
Antimony	U	0.005	mg/L			SW846-6010
Arsenic	B	0.0019	mg/L			SW846-7060
Barium		0.192	mg/L			SW846-6010
Beryllium	B	0.0002	mg/L			SW846-6010
Cadmium	B	0.0001	mg/L			SW846-7131
Calcium		27.4	mg/L			SW846-6010
Chromium		0.954	mg/L			SW846-6010
Cobalt	B	0.0035	mg/L			SW846-6010
Copper		0.0226	mg/L			SW846-6010
Iron		9.53	mg/L			SW846-6010
Lead		0.0092	mg/L			SW846-7421
Magnesium		9.99	mg/L			SW846-6010
Manganese		0.253	mg/L			SW846-6010
Nickel	B	0.031	mg/L			SW846-6010
Potassium	B	1.34	mg/L			SW846-6010
Selenium	U	0.0014	mg/L			SW846-7740
Silver	U	0.0007	mg/L			SW846-6010
Sodium		39.5	mg/L			SW846-6010
Thallium	U	0.005	mg/L			SW846-6010
Vanadium	B	0.01	mg/L			SW846-6010
Zinc		0.0189	mg/L			SW846-6010
<b>METAL-D</b>						
Aluminum	U	0.02	mg/L			SW846-6010
Calcium		29.6	mg/L			SW846-6010
Chromium	B	0.0037	mg/L			SW846-6010
Iron	U	0.02	mg/L			SW846-6010
Magnesium		10.9	mg/L			SW846-6010
Manganese		0.0114	mg/L			SW846-6010
Sodium		37.5	mg/L			SW846-6010
<b>PHYSC</b>						
Dissolved Solids		250	mg/L			EPA-160.1
Specific Conductivity (PIP)		430	umho/cm			SW846-9050
Suspended Solids		62	mg/L			EPA-160.2
Turbidity		110	NTU			W-170
<b>RADS</b>						
Alpha activity		11.4	pCi/L	6.1		SW846-9310

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**MW181**

**C746SG97-02**

**C-746S&T Assessment**

Beta activity		58.1	pCi/L	6	SW846-9310
Technetium-99		97.6	pCi/L	9.6	HASL 300
<b>VOA</b>					
Trichloroethene	U	0.005	mg/L		SW846-8260

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MW181

C746SG97-02

C-746S&T Assessment

6329-96

Collected: 12/2/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bicarbonate		163	mg/L			SM-2320 B
Carbonate	U	1	mg/L			SM-2320 B
Chloride		51	mg/L			SW846-9056
Sulfate		20	mg/L			SW846-9056
Total Organic Carbon (TOC)	U	1	mg/L			SW846-9060
<b>Field P</b>						
Depth to Water		44.74	ft			
Dissolved Oxygen		7.6	mg/L			
pH		6	Std Unit			
Specific Conductivity (PIP)		443	umho/cm			
Temperature		63	deg F			
<b>METAL</b>						
Aluminum		0.87	mg/L			SW846-6010
Antimony	U	0.005	mg/L			SW846-6010
Arsenic	U	0.0007	mg/L			SW846-7060
Barium		0.175	mg/L			SW846-6010
Beryllium	U	0.0001	mg/L			SW846-6010
Cadmium	B	0.0001	mg/L			SW846-7131
Calcium		27	mg/L			SW846-6010
Chromium		0.576	mg/L			SW846-6010
Cobalt	B	0.0013	mg/L			SW846-6010
Copper	B	0.0085	mg/L			SW846-6010
Iron		4.1	mg/L			SW846-6010
Lead		0.0053	mg/L			SW846-7421
Magnesium		10	mg/L			SW846-6010
Manganese		0.151	mg/L			SW846-6010
Nickel	B	0.021	mg/L			SW846-6010
Potassium	B	1.18	mg/L			SW846-6010
Selenium	U	0.0014	mg/L			SW846-7740
Silver	U	0.0007	mg/L			SW846-6010
Sodium		38.6	mg/L			SW846-6010
Thallium	U	0.005	mg/L			SW846-6010
Vanadium	B	0.004	mg/L			SW846-6010
Zinc	B	0.0096	mg/L			SW846-6010
<b>METAL-D</b>						
Aluminum	U	0.02	mg/L			SW846-6010
Calcium		30.8	mg/L			SW846-6010
Chromium	B	0.0026	mg/L			SW846-6010
Iron	U	0.02	mg/L			SW846-6010
Magnesium		11.4	mg/L			SW846-6010
Manganese		0.0126	mg/L			SW846-6010
Sodium		39.4	mg/L			SW846-6010
<b>PHYSC</b>						
Dissolved Solids		290	mg/L			EPA-160.1
Specific Conductivity (PIP)		442	umho/cm			SW846-9050
Suspended Solids		10	mg/L			EPA-160.2
Turbidity		38	NTU			W-170
<b>RADS</b>						
Alpha activity		9	pCi/L	5		SW846-9310

**MW181**

**C746SG97-02**

**C-746S&T Assessment**

Beta activity		30	pCi/L	4.4	SW846-9310
Technetium-99		85.6	pCi/L	10	HASL 300
<b>VOA</b>					
Trichloroethene	U	0.005	mg/L		SW846-8260

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## MW181

## C746SG97-02

## C-746S&amp;T Assessment

## 6335-96

Collected: 12/2/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Bicarbonate		237	mg/L			SM-2320 B
Carbonate	U	1	mg/L			SM-2320 B
Chloride		54	mg/L			SW846-9056
Sulfate		20	mg/L			SW846-9056
Total Organic Carbon (TOC)	U	1	mg/L			SW846-9060
<b>Field P</b>						
Depth to Water		44.93	ft			
Dissolved Oxygen		6.18	mg/L			
pH		5.9	Std Unit			
Specific Conductivity (PIP)		494	umho/cm			
Temperature		58	deg F			
<b>METAL</b>						
Aluminum		0.93	mg/L			SW846-6010
Antimony	U	0.005	mg/L			SW846-6010
Arsenic	B	0.0008	mg/L			SW846-7060
Barium		0.209	mg/L			SW846-6010
Beryllium	U	0.0001	mg/L			SW846-6010
Cadmium	B	0.0001	mg/L			SW846-7131
Calcium		31.6	mg/L			SW846-6010
Chromium		0.0996	mg/L			SW846-6010
Cobalt	B	0.0021	mg/L			SW846-6010
Copper	B	0.0072	mg/L			SW846-6010
Iron		3.5	mg/L			SW846-6010
Lead		0.0037	mg/L			SW846-7421
Magnesium		11.5	mg/L			SW846-6010
Manganese		0.371	mg/L			SW846-6010
Nickel		0.108	mg/L			SW846-6010
Potassium	B	1.39	mg/L			SW846-6010
Selenium	U	0.0014	mg/L			SW846-7740
Silver	U	0.0007	mg/L			SW846-6010
Sodium		45.6	mg/L			SW846-6010
Thallium	U	0.005	mg/L			SW846-6010
Vanadium	B	0.001	mg/L			SW846-6010
Zinc		0.016	mg/L			SW846-6010
<b>METAL-D</b>						
Aluminum	U	0.02	mg/L			SW846-6010
Calcium		34.1	mg/L			SW846-6010
Chromium	B	0.0054	mg/L			SW846-6010
Iron	U	0.02	mg/L			SW846-6010
Magnesium		12.6	mg/L			SW846-6010
Manganese		0.0161	mg/L			SW846-6010
Nickel		0.081	mg/L			SW846-6010
Sodium		43.9	mg/L			SW846-6010
<b>PHYSC</b>						
Dissolved Solids		260	mg/L			EPA-160.1
Specific Conductivity (PIP)		500	umho/cm			SW846-9050
Suspended Solids		22	mg/L			EPA-160.2
Turbidity		55	NTU			W-170
<b>RADS</b>						

**MW181**

**C746SG97-02**

**C-746S&T Assessment**

Alpha activity		6.5	pCi/L	5.3	SW846-9310
Beta activity		32.3	pCi/L	5.4	SW846-9310
Technetium-99		86.5	pCi/L	9.2	HASL 300
<b>VOA</b>					
Trichloroethene	U	0.005	mg/L		SW846-8260

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MW179

C746SG97-03

C-746S&T Groundwater Monitoring 2nd Quarter FY97

5003-97

Collected: 1/7/1997

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		36.9	mg/L			IN7120
Nitrate as Nitrogen	U	1	mg/L			IN7120
Total Organic Carbon (TOC)	U	1	mg/L			ST7480
Total Organic Halides (TOX)	U	0.025	mg/L			SW846-9020
<b>Field P</b>						
Depth to Water		31.15	ft			
Dissolved Oxygen		3.8	mg/L			
pH		5.9	Std Unit			
Temperature		57	deg F			
<b>METAL</b>						
Barium	U	0.05	mg/L			SW846-6010
Beryllium	U	0.025	mg/L			SW846-6010
Cadmium	U	0.005	mg/L			SW846-7131
Chromium	U	0.05	mg/L			SW846-6010
Cobalt	U	0.1	mg/L			SW846-6010
Copper	U	0.1	mg/L			SW846-6010
Iron		2.25	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Nickel	U	0.1	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	U	0.05	mg/L			SW846-6010
Sodium	N	31.8	mg/L			SW846-6010
Thallium	U	0.4	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Vanadium	U	0.25	mg/L			SW846-6010
Zinc	U	0.25	mg/L			SW846-6010
<b>PHYSC</b>						
Chemical Oxygen Demand (COD)	<	5	mg/L			IN7430
Dissolved Solids		303	mg/L			IN7475
Specific Conductivity (PIP)		470	umho/cm			ES214
Turbidity		22	NTU			IN7490
<b>RADS</b>						
Alpha activity		-1	pCi/L	-0.6		RL-7122
Beta activity		9	pCi/L	2		RL-7122
Technetium-99		0	pCi/L	0		RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L			SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L			SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1-Dichloroethane	U	0.005	mg/L			SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L			SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L			SW846-8260
1,2-Dibromoethane	U	0.005	mg/L			SW846-8260
1,2-Dichloroethane	U	0.005	mg/L			SW846-8260
1,2-Dichloropropane	U	0.005	mg/L			SW846-8260

## MW179

## C746SG97-03

## C-746S&amp;T Groundwater Monitoring 2nd Quarter FY97

2-Butanone	U	0.005	mg/L	SW846-8260
2-Chloroethyl vinyl ether	U	0.005	mg/L	SW846-8260
2-Hexanone	U	0.005	mg/L	SW846-8260
4-Methyl-2-pentanone	U	0.005	mg/L	SW846-8260
Acetone	U	0.005	mg/L	SW846-8260
Acrolein	UJ	0.005	mg/L	SW846-8030
Acrylonitrile	UJ	0.005	mg/L	SW846-8030
Benzene	U	0.005	mg/L	SW846-8260
Bromochloromethane	U	0.005	mg/L	SW846-8260
Bromodichloromethane	U	0.005	mg/L	SW846-8260
Bromoform	U	0.005	mg/L	SW846-8260
Bromomethane	U	0.005	mg/L	SW846-8260
Carbon disulfide	U	0.005	mg/L	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	SW846-8260
Chlorobenzene	U	0.005	mg/L	SW846-8260
Chloroethane	U	0.005	mg/L	SW846-8260
Chloromethane	U	0.005	mg/L	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Dibromochloromethane	U	0.005	mg/L	SW846-8260
Dibromomethane	U	0.005	mg/L	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	SW846-8260
Ethanol	UJ	0.25	mg/L	SW846-8015
Ethyl methacrylate	U	0.005	mg/L	SW846-8260
Ethylbenzene	U	0.005	mg/L	SW846-8260
Iodomethane	U	0.005	mg/L	SW846-8260
Methylene chloride	U	0.005	mg/L	SW846-8260
Styrene	U	0.005	mg/L	SW846-8260
Tetrachloroethene	U	0.005	mg/L	SW846-8260
Toluene	U	0.005	mg/L	SW846-8260
Total Xylene	U	0.01	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L	SW846-8260
Trichloroethene		0.005	mg/L	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L	SW846-8260
Vinyl acetate	U	0.005	mg/L	SW846-8260
Vinyl chloride	U	0.002	mg/L	SW846-8260

MW181

C746SG97-03

C-746S&T Groundwater Monitoring 2nd Quarter FY97

5004-97

Collected: 1/6/1997

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		45.9	mg/L			IN7120
Nitrate as Nitrogen		1.7	mg/L			IN7120
Total Organic Carbon (TOC)		1	mg/L			ST7480
Total Organic Halides (TOX)	U	0.025	mg/L			SW846-9020
<b>Field P</b>						
Depth to Water		43.25	ft			
Dissolved Oxygen		4.69	mg/L			
pH		6	Std Unit			
Specific Conductivity (PIP)		391	umho/cm			
Temperature		54	deg F			
<b>METAL</b>						
Barium		0.214	mg/L			SW846-6010
Beryllium	U	0.025	mg/L			SW846-6010
Cadmium	U	0.005	mg/L			SW846-7131
Chromium		0.749	mg/L			SW846-6010
Cobalt	U	0.1	mg/L			SW846-6010
Copper	U	0.1	mg/L			SW846-6010
Iron	NB	12.4	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Nickel	U	0.1	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	N*U	0.05	mg/L			SW846-6010
Sodium	N	41.8	mg/L			SW846-6010
Thallium	U	0.4	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Vanadium	U	0.25	mg/L			SW846-6010
Zinc	BU	0.25	mg/L			SW846-6010
<b>METAL-D</b>						
Barium		0.14	mg/L			SW846-6010
Chromium	U	0.05	mg/L			SW846-6010
<b>PHYSC</b>						
Chemical Oxygen Demand (COD)	<	5	mg/L			IN7430
Dissolved Solids		261	mg/L			IN7475
Turbidity		130	NTU			IN7490
<b>RADS</b>						
Alpha activity		2.1	pCi/L	1		RL-7122
Beta activity		28	pCi/L	4		RL-7122
Technetium-99		15	pCi/L	14		RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L			SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L			SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1-Dichloroethane	U	0.005	mg/L			SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L			SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L			SW846-8260

## MW181

## C746SG97-03

## C-746S&amp;T Groundwater Monitoring 2nd Quarter FY97

1,2-Dibromoethane	U	0.005	mg/L	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	SW846-8260
2-Butanone	U	0.005	mg/L	SW846-8260
2-Chloroethyl vinyl ether	U	0.005	mg/L	SW846-8260
2-Hexanone	U	0.005	mg/L	SW846-8260
4-Methyl-2-pentanone	U	0.005	mg/L	SW846-8260
Acetone	U	0.005	mg/L	SW846-8260
Acrolein	UJ	0.005	mg/L	SW846-8030
Acrylonitrile	UJ	0.005	mg/L	SW846-8030
Benzene	U	0.005	mg/L	SW846-8260
Bromochloromethane	U	0.005	mg/L	SW846-8260
Bromodichloromethane	U	0.005	mg/L	SW846-8260
Bromoform	U	0.005	mg/L	SW846-8260
Bromomethane	U	0.005	mg/L	SW846-8260
Carbon disulfide	U	0.005	mg/L	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	SW846-8260
Chlorobenzene	U	0.005	mg/L	SW846-8260
Chloroethane	U	0.005	mg/L	SW846-8260
Chloromethane	U	0.005	mg/L	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Dibromochloromethane	U	0.005	mg/L	SW846-8260
Dibromomethane	U	0.005	mg/L	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	SW846-8260
Ethanol	UJ	0.25	mg/L	SW846-8015
Ethyl methacrylate	U	0.005	mg/L	SW846-8260
Ethylbenzene	U	0.005	mg/L	SW846-8260
Iodomethane	U	0.005	mg/L	SW846-8260
Methylene chloride	U	0.005	mg/L	SW846-8260
Styrene	U	0.005	mg/L	SW846-8260
Tetrachloroethene	U	0.005	mg/L	SW846-8260
Toluene	U	0.005	mg/L	SW846-8260
Total Xylene	U	0.01	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L	SW846-8260
Trichloroethene	U	0.001	mg/L	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L	SW846-8260
Vinyl acetate	U	0.005	mg/L	SW846-8260
Vinyl chloride	U	0.002	mg/L	SW846-8260



MW220

C746SG97-03

## C-746S&amp;T Groundwater Monitoring 2nd Quarter FY97

5005-97

Collected: 1/6/1997

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		32.1	mg/L			IN7120
Nitrate as Nitrogen		1.6	mg/L			IN7120
Total Organic Carbon (TOC)	U	1	mg/L			ST7480
Total Organic Halides (TOX)	U	0.025	mg/L			SW846-9020
<b>Field P</b>						
Depth to Water		53.23	ft			
Dissolved Oxygen		5.36	mg/L			
pH		6.1	Std Unit			
Temperature		57	deg F			
<b>METAL</b>						
Barium		0.188	mg/L			SW846-6010
Beryllium	U	0.025	mg/L			SW846-6010
Cadmium	U	0.005	mg/L			SW846-7131
Chromium	U	0.05	mg/L			SW846-6010
Cobalt	U	0.1	mg/L			SW846-6010
Copper	U	0.1	mg/L			SW846-6010
Iron	BU	0.3	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Nickel		0.24	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	U	0.05	mg/L			SW846-6010
Sodium	N	34.4	mg/L			SW846-6010
Thallium	U	0.4	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Vanadium	U	0.25	mg/L			SW846-6010
Zinc	U	0.25	mg/L			SW846-6010
<b>METAL-D</b>						
Barium		0.166	mg/L			SW846-6010
<b>PHYSC</b>						
Chemical Oxygen Demand (COD)	<	5	mg/L			IN7430
Dissolved Solids		193	mg/L			IN7475
Specific Conductivity (PIP)		328	umho/cm			ES214
Turbidity		1.5	NTU			IN7490
<b>RADS</b>						
Alpha activity		0.8	pCi/L	0.5		RL-7122
Beta activity		8	pCi/L	1		RL-7122
Technetium-99		0	pCi/L	0		RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L			SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L			SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1-Dichloroethane	U	0.005	mg/L			SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L			SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L			SW846-8260
1,2-Dibromoethane	U	0.005	mg/L			SW846-8260

**MW220****C746SG97-03****C-746S&T Groundwater Monitoring 2nd Quarter FY97**

1,2-Dichloroethane	U	0.005	mg/L	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	SW846-8260
2-Butanone	U	0.005	mg/L	SW846-8260
2-Chloroethyl vinyl ether	U	0.005	mg/L	SW846-8260
2-Hexanone	U	0.005	mg/L	SW846-8260
4-Methyl-2-pentanone	U	0.005	mg/L	SW846-8260
Acetone	U	0.005	mg/L	SW846-8260
Acrolein	UJ	0.005	mg/L	SW846-8030
Acrylonitrile	UJ	0.005	mg/L	SW846-8030
Benzene	U	0.005	mg/L	SW846-8260
Bromochloromethane	U	0.005	mg/L	SW846-8260
Bromodichloromethane	U	0.005	mg/L	SW846-8260
Bromoform	U	0.005	mg/L	SW846-8260
Bromomethane	U	0.005	mg/L	SW846-8260
Carbon disulfide	U	0.005	mg/L	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	SW846-8260
Chlorobenzene	U	0.005	mg/L	SW846-8260
Chloroethane	U	0.005	mg/L	SW846-8260
Chloromethane	U	0.005	mg/L	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Dibromochloromethane	U	0.005	mg/L	SW846-8260
Dibromomethane	U	0.005	mg/L	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	SW846-8260
Ethanol	UJ	0.25	mg/L	SW846-8015
Ethyl methacrylate	U	0.005	mg/L	SW846-8260
Ethylbenzene	U	0.005	mg/L	SW846-8260
Iodomethane	U	0.005	mg/L	SW846-8260
Methylene chloride	U	0.005	mg/L	SW846-8260
Styrene	U	0.005	mg/L	SW846-8260
Tetrachloroethene	U	0.005	mg/L	SW846-8260
Toluene	U	0.005	mg/L	SW846-8260
Total Xylene	U	0.01	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L	SW846-8260
Trichloroethene	U	0.001	mg/L	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L	SW846-8260
Vinyl acetate	U	0.005	mg/L	SW846-8260
Vinyl chloride	U	0.002	mg/L	SW846-8260

MW221

C746SG97-03

C-746S&T Groundwater Monitoring 2nd Quarter FY97

5006-97

Collected: 1/7/1997

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		48.2	mg/L			IN7120
Nitrate as Nitrogen		1.4	mg/L			IN7120
Total Organic Carbon (TOC)	U	1	mg/L			ST7480
Total Organic Halides (TOX)	U	0.025	mg/L			SW846-9020
<b>Field P</b>						
Depth to Water		63.47	ft			
Dissolved Oxygen		8.44	mg/L			
pH		6.1	Std Unit			
Temperature		56	deg F			
<b>METAL</b>						
Barium		0.255	mg/L			SW846-6010
Beryllium	U	0.025	mg/L			SW846-6010
Cadmium	U	0.005	mg/L			SW846-7131
Chromium		0.277	mg/L			SW846-6010
Cobalt	U	0.1	mg/L			SW846-6010
Copper	U	0.1	mg/L			SW846-6010
Iron		1.56	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Nickel	U	0.1	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	U	0.05	mg/L			SW846-6010
Sodium	N	41	mg/L			SW846-6010
Thallium	U	0.4	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Vanadium	U	0.25	mg/L			SW846-6010
Zinc	U	0.25	mg/L			SW846-6010
<b>METAL-D</b>						
Barium		0.22	mg/L			SW846-6010
Chromium	U	0.05	mg/L			SW846-6010
<b>PHYSC</b>						
Chemical Oxygen Demand (COD)	<	5	mg/L			IN7430
Dissolved Solids		278	mg/L			IN7475
Specific Conductivity (PIP)		417	umho/cm			ES214
Turbidity		13	NTU			IN7490
<b>RADS</b>						
Alpha activity		0.3	pCi/L	0.2		RL-7122
Beta activity		10	pCi/L	2		RL-7122
Technetium-99		4	pCi/L	13		RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L			SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L			SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1-Dichloroethane	U	0.005	mg/L			SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L			SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L			SW846-8260

## MW221

## C746SG97-03

## C-746S&amp;T Groundwater Monitoring 2nd Quarter FY97

1,2-Dibromoethane	U	0.005	mg/L	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	SW846-8260
2-Butanone	U	0.005	mg/L	SW846-8260
2-Chloroethyl vinyl ether	U	0.005	mg/L	SW846-8260
2-Hexanone	U	0.005	mg/L	SW846-8260
4-Methyl-2-pentanone	U	0.005	mg/L	SW846-8260
Acetone	U	0.005	mg/L	SW846-8260
Acrolein	UJ	0.005	mg/L	SW846-8030
Acrylonitrile	UJ	0.005	mg/L	SW846-8030
Benzene	U	0.005	mg/L	SW846-8260
Bromochloromethane	U	0.005	mg/L	SW846-8260
Bromodichloromethane	U	0.005	mg/L	SW846-8260
Bromoform	U	0.005	mg/L	SW846-8260
Bromomethane	U	0.005	mg/L	SW846-8260
Carbon disulfide	U	0.005	mg/L	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	SW846-8260
Chlorobenzene	U	0.005	mg/L	SW846-8260
Chloroethane	U	0.005	mg/L	SW846-8260
Chloromethane	U	0.005	mg/L	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Dibromochloromethane	U	0.005	mg/L	SW846-8260
Dibromomethane	U	0.005	mg/L	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	SW846-8260
Ethanol	UJ	0.25	mg/L	SW846-8015
Ethyl methacrylate	U	0.005	mg/L	SW846-8260
Ethylbenzene	U	0.005	mg/L	SW846-8260
Iodomethane	U	0.005	mg/L	SW846-8260
Methylene chloride	U	0.005	mg/L	SW846-8260
Styrene	U	0.005	mg/L	SW846-8260
Tetrachloroethene	U	0.005	mg/L	SW846-8260
Toluene	U	0.005	mg/L	SW846-8260
Total Xylene	U	0.01	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L	SW846-8260
Trichloroethene		0.004	mg/L	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L	SW846-8260
Vinyl acetate	U	0.005	mg/L	SW846-8260
Vinyl chloride	U	0.002	mg/L	SW846-8260

MW222

C746SG97-03

C-746S&amp;T Groundwater Monitoring 2nd Quarter FY97

5007-97

Collected: 1/6/1997

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		32.7	mg/L			IN7120
Nitrate as Nitrogen	U	1	mg/L			IN7120
Total Organic Carbon (TOC)	U	1	mg/L			ST7480
Total Organic Halides (TOX)	U	0.025	mg/L			SW846-9020
<b>Field P</b>						
Depth to Water		67.55	ft			
Dissolved Oxygen		8.33	mg/L			
pH		6.2	Std Unit			
Specific Conductivity (PIP)		309	umho/cm			
Temperature		57	deg F			
<b>METAL</b>						
Barium		0.33	mg/L			SW846-6010
Beryllium	U	0.025	mg/L			SW846-6010
Cadmium	U	0.005	mg/L			SW846-7131
Chromium	U	0.05	mg/L			SW846-6010
Cobalt	U	0.1	mg/L			SW846-6010
Copper	U	0.1	mg/L			SW846-6010
Iron		8.38	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Nickel		0.318	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	U	0.05	mg/L			SW846-6010
Sodium	N	52.2	mg/L			SW846-6010
Thallium	U	0.4	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Vanadium	U	0.25	mg/L			SW846-6010
Zinc	U	0.25	mg/L			SW846-6010
<b>METAL-D</b>						
Barium		0.265	mg/L			SW846-6010
<b>PHYSC</b>						
Chemical Oxygen Demand (COD)	<	5	mg/L			IN7430
Dissolved Solids		276	mg/L			IN7475
Turbidity		110	NTU			IN7490
<b>RADS</b>						
Alpha activity		2.4	pCi/L	1		RL-7122
Beta activity		5	pCi/L	1		RL-7122
Technetium-99		0	pCi/L	0		RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L			SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L			SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1-Dichloroethane	U	0.005	mg/L			SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L			SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L			SW846-8260
1,2-Dibromoethane	U	0.005	mg/L			SW846-8260

**MW222****C746SG97-03****C-746S&T Groundwater Monitoring 2nd Quarter FY97**

1,2-Dichloroethane	U	0.005	mg/L	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	SW846-8260
2-Butanone	U	0.005	mg/L	SW846-8260
2-Chloroethyl vinyl ether	U	0.005	mg/L	SW846-8260
2-Hexanone	U	0.005	mg/L	SW846-8260
4-Methyl-2-pentanone	U	0.005	mg/L	SW846-8260
Acetone	U	0.005	mg/L	SW846-8260
Acrolein	UJ	0.005	mg/L	SW846-8030
Acrylonitrile	UJ	0.005	mg/L	SW846-8030
Benzene	U	0.005	mg/L	SW846-8260
Bromochloromethane	U	0.005	mg/L	SW846-8260
Bromodichloromethane	U	0.005	mg/L	SW846-8260
Bromoform	U	0.005	mg/L	SW846-8260
Bromomethane	U	0.005	mg/L	SW846-8260
Carbon disulfide	U	0.005	mg/L	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	SW846-8260
Chlorobenzene	U	0.005	mg/L	SW846-8260
Chloroethane	U	0.005	mg/L	SW846-8260
Chloromethane	U	0.005	mg/L	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Dibromochloromethane	U	0.005	mg/L	SW846-8260
Dibromomethane	U	0.005	mg/L	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	SW846-8260
Ethanol	UJ	0.25	mg/L	SW846-8015
Ethyl methacrylate	U	0.005	mg/L	SW846-8260
Ethylbenzene	U	0.005	mg/L	SW846-8260
Iodomethane	U	0.005	mg/L	SW846-8260
Methylene chloride	U	0.005	mg/L	SW846-8260
Styrene	U	0.005	mg/L	SW846-8260
Tetrachloroethene	U	0.005	mg/L	SW846-8260
Toluene	U	0.005	mg/L	SW846-8260
Total Xylene	U	0.01	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L	SW846-8260
Trichloroethene	U	0.001	mg/L	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L	SW846-8260
Vinyl acetate	U	0.005	mg/L	SW846-8260
Vinyl chloride	U	0.002	mg/L	SW846-8260

**MW223**

**C746SG97-03**

**C-746S&T Groundwater Monitoring 2nd Quarter FY97**

**5008-97**

Collected: 1/6/1997

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		49.6	mg/L			IN7120
Nitrate as Nitrogen		2	mg/L			IN7120
Total Organic Carbon (TOC)	U	1	mg/L			ST7480
Total Organic Halides (TOX)	U	0.025	mg/L			SW846-9020
<b>Field P</b>						
Depth to Water		66.78	ft			
Dissolved Oxygen		3.63	mg/L			
pH		6.04	Std Unit			
Specific Conductivity (PIP)		400	umho/cm			
Temperature		56	deg F			
<b>METAL</b>						
Barium		0.243	mg/L			SW846-6010
Beryllium	U	0.025	mg/L			SW846-6010
Cadmium	U	0.005	mg/L			SW846-7131
Chromium		0.063	mg/L			SW846-6010
Cobalt	U	0.1	mg/L			SW846-6010
Copper	U	0.1	mg/L			SW846-6010
Iron		1.39	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Nickel		0.898	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	U	0.05	mg/L			SW846-6010
Sodium	N	45.9	mg/L			SW846-6010
Thallium	U	0.4	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Vanadium	U	0.25	mg/L			SW846-6010
Zinc	U	0.25	mg/L			SW846-6010
<b>METAL-D</b>						
Barium		0.212	mg/L			SW846-6010
Chromium	U	0.05	mg/L			SW846-6010
<b>PHYSC</b>						
Chemical Oxygen Demand (COD)	<	5	mg/L			IN7430
Dissolved Solids		263	mg/L			IN7475
Turbidity		9.1	NTU			IN7490
<b>RADS</b>						
Alpha activity		-0.8	pCi/L	-0.4		RL-7122
Beta activity		16	pCi/L	2		RL-7122
Technetium-99		0	pCi/L	0		RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L			SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L			SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1-Dichloroethane	U	0.005	mg/L			SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L			SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L			SW846-8260

## MW223

## C746SG97-03

## C-746S&amp;T Groundwater Monitoring 2nd Quarter FY97

1,2-Dibromoethane	U	0.005	mg/L	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	SW846-8260
2-Butanone	U	0.005	mg/L	SW846-8260
2-Chloroethyl vinyl ether	U	0.005	mg/L	SW846-8260
2-Hexanone	U	0.005	mg/L	SW846-8260
4-Methyl-2-pentanone	U	0.005	mg/L	SW846-8260
Acetone	U	0.005	mg/L	SW846-8260
Acrolein	UJ	0.005	mg/L	SW846-8030
Acrylonitrile	UJ	0.005	mg/L	SW846-8030
Benzene	U	0.005	mg/L	SW846-8260
Bromochloromethane	U	0.005	mg/L	SW846-8260
Bromodichloromethane	U	0.005	mg/L	SW846-8260
Bromoform	U	0.005	mg/L	SW846-8260
Bromomethane	U	0.005	mg/L	SW846-8260
Carbon disulfide	U	0.005	mg/L	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	SW846-8260
Chlorobenzene	U	0.005	mg/L	SW846-8260
Chloroethane	U	0.005	mg/L	SW846-8260
Chloromethane	U	0.005	mg/L	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Dibromochloromethane	U	0.005	mg/L	SW846-8260
Dibromomethane	U	0.005	mg/L	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	SW846-8260
Ethanol	UJ	0.25	mg/L	SW846-8015
Ethyl methacrylate	U	0.005	mg/L	SW846-8260
Ethylbenzene	U	0.005	mg/L	SW846-8260
Iodomethane	U	0.005	mg/L	SW846-8260
Methylene chloride	U	0.005	mg/L	SW846-8260
Styrene	U	0.005	mg/L	SW846-8260
Tetrachloroethene	U	0.005	mg/L	SW846-8260
Toluene	U	0.005	mg/L	SW846-8260
Total Xylene	U	0.01	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L	SW846-8260
Trichloroethene	U	0.001	mg/L	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L	SW846-8260
Vinyl acetate	U	0.005	mg/L	SW846-8260
Vinyl chloride	U	0.002	mg/L	SW846-8260



MW224

C746SG97-03

C-746S&T Groundwater Monitoring 2nd Quarter FY97

5009-97

Collected: 1/6/1997

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		50.1	mg/L			IN7120
Nitrate as Nitrogen		2.3	mg/L			IN7120
Total Organic Carbon (TOC)	U	1	mg/L			ST7480
Total Organic Halides (TOX)	U	0.025	mg/L			SW846-9020
<b>Field P</b>						
Depth to Water		67.97	ft			
Dissolved Oxygen		6.26	mg/L			
pH		5.9	Std Unit			
Temperature		57	deg F			
<b>METAL</b>						
Barium		0.239	mg/L			SW846-6010
Beryllium	U	0.025	mg/L			SW846-6010
Cadmium	U	0.005	mg/L			SW846-7131
Chromium	U	0.05	mg/L			SW846-6010
Cobalt	U	0.1	mg/L			SW846-6010
Copper	U	0.1	mg/L			SW846-6010
Iron		2.4	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Nickel	U	0.1	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	U	0.05	mg/L			SW846-6010
Sodium	N	39.2	mg/L			SW846-6010
Thallium	U	0.4	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Vanadium	U	0.25	mg/L			SW846-6010
Zinc	U	0.25	mg/L			SW846-6010
<b>METAL-D</b>						
Barium		0.214	mg/L			SW846-6010
<b>PHYSC</b>						
Chemical Oxygen Demand (COD)	<	5	mg/L			IN7430
Dissolved Solids		249	mg/L			IN7475
Specific Conductivity (PIP)		342	umho/cm			ES214
Turbidity		28	NTU			IN7490
<b>RADS</b>						
Alpha activity		-0.2	pCi/L	-0.1		RL-7122
Beta activity		6	pCi/L	1		RL-7122
Technetium-99		0	pCi/L	0		RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L			SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L			SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1-Dichloroethane	U	0.005	mg/L			SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L			SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L			SW846-8260
1,2-Dibromoethane	U	0.005	mg/L			SW846-8260

## MW224

## C746SG97-03

## C-746S&amp;T Groundwater Monitoring 2nd Quarter FY97

1,2-Dichloroethane	U	0.005	mg/L	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	SW846-8260
2-Butanone	U	0.005	mg/L	SW846-8260
2-Chloroethyl vinyl ether	U	0.005	mg/L	SW846-8260
2-Hexanone	U	0.005	mg/L	SW846-8260
4-Methyl-2-pentanone	U	0.005	mg/L	SW846-8260
Acetone	U	0.005	mg/L	SW846-8260
Acrolein	UJ	0.005	mg/L	SW846-8030
Acrylonitrile	UJ	0.005	mg/L	SW846-8030
Benzene	U	0.005	mg/L	SW846-8260
Bromochloromethane	U	0.005	mg/L	SW846-8260
Bromodichloromethane	U	0.005	mg/L	SW846-8260
Bromoform	U	0.005	mg/L	SW846-8260
Bromomethane	U	0.005	mg/L	SW846-8260
Carbon disulfide	U	0.005	mg/L	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	SW846-8260
Chlorobenzene	U	0.005	mg/L	SW846-8260
Chloroethane	U	0.005	mg/L	SW846-8260
Chloromethane	U	0.005	mg/L	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Dibromochloromethane	U	0.005	mg/L	SW846-8260
Dibromomethane	U	0.005	mg/L	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	SW846-8260
Ethanol	UJ	0.25	mg/L	SW846-8015
Ethyl methacrylate	U	0.005	mg/L	SW846-8260
Ethylbenzene	U	0.005	mg/L	SW846-8260
Iodomethane	U	0.005	mg/L	SW846-8260
Methylene chloride	U	0.005	mg/L	SW846-8260
Styrene	U	0.005	mg/L	SW846-8260
Tetrachloroethene	U	0.005	mg/L	SW846-8260
Toluene	U	0.005	mg/L	SW846-8260
Total Xylene	U	0.01	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L	SW846-8260
Trichloroethene		0.005	mg/L	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L	SW846-8260
Vinyl acetate	U	0.005	mg/L	SW846-8260
Vinyl chloride	U	0.002	mg/L	SW846-8260

MW263

C746SG97-03

C-746S&T Groundwater Monitoring 2nd Quarter FY97

5010-97

Collected: 1/7/1997

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		35.8	mg/L			IN7120
Nitrate as Nitrogen	U	1	mg/L			IN7120
Total Organic Carbon (TOC)	U	1	mg/L			ST7480
Total Organic Halides (TOX)	U	0.025	mg/L			SW846-9020
<b>Field P</b>						
Depth to Water		31.8	ft			
Dissolved Oxygen		0.98	mg/L			
pH		6.1	Std Unit			
Temperature		53	deg F			
<b>METAL</b>						
Barium		0.059	mg/L			SW846-6010
Beryllium	U	0.025	mg/L			SW846-6010
Cadmium	U	0.005	mg/L			SW846-7131
Chromium		0.265	mg/L			SW846-6010
Cobalt	U	0.1	mg/L			SW846-6010
Copper	U	0.1	mg/L			SW846-6010
Iron	B	1.02	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Nickel	U	0.1	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	U	0.05	mg/L			SW846-6010
Sodium	N	47.2	mg/L			SW846-6010
Thallium	U	0.4	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Vanadium	U	0.25	mg/L			SW846-6010
Zinc	U	0.25	mg/L			SW846-6010
<b>METAL-D</b>						
Barium		0.056	mg/L			SW846-6010
Chromium	U	0.05	mg/L			SW846-6010
<b>PHYSC</b>						
Chemical Oxygen Demand (COD)	<	5	mg/L			IN7430
Dissolved Solids		362	mg/L			IN7475
Specific Conductivity (PIP)		579	umho/cm			ES214
Turbidity		4.2	NTU			IN7490
<b>RADS</b>						
Alpha activity		-0.5	pCi/L	-0.2		RL-7122
Beta activity		17	pCi/L	3		RL-7122
Technetium-99		7	pCi/L	13		RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L			SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L			SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1-Dichloroethane	U	0.005	mg/L			SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L			SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L			SW846-8260

## MW263

## C746SG97-03

## C-746S&amp;T Groundwater Monitoring 2nd Quarter FY97

1,2-Dibromoethane	U	0.005	mg/L	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	SW846-8260
2-Butanone	U	0.005	mg/L	SW846-8260
2-Chloroethyl vinyl ether	U	0.005	mg/L	SW846-8260
2-Hexanone	U	0.005	mg/L	SW846-8260
4-Methyl-2-pentanone	U	0.005	mg/L	SW846-8260
Acetone	U	0.005	mg/L	SW846-8260
Acrolein	UJ	0.005	mg/L	SW846-8030
Acrylonitrile	UJ	0.005	mg/L	SW846-8030
Benzene	U	0.005	mg/L	SW846-8260
Bromochloromethane	U	0.005	mg/L	SW846-8260
Bromodichloromethane	U	0.005	mg/L	SW846-8260
Bromoform	U	0.005	mg/L	SW846-8260
Bromomethane	U	0.005	mg/L	SW846-8260
Carbon disulfide	U	0.005	mg/L	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	SW846-8260
Chlorobenzene	U	0.005	mg/L	SW846-8260
Chloroethane	U	0.005	mg/L	SW846-8260
Chloromethane	U	0.005	mg/L	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Dibromochloromethane	U	0.005	mg/L	SW846-8260
Dibromomethane	U	0.005	mg/L	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	SW846-8260
Ethanol	UJ	0.25	mg/L	SW846-8015
Ethyl methacrylate	U	0.005	mg/L	SW846-8260
Ethylbenzene	U	0.005	mg/L	SW846-8260
Iodomethane	U	0.005	mg/L	SW846-8260
Methylene chloride	U	0.005	mg/L	SW846-8260
Styrene	U	0.005	mg/L	SW846-8260
Tetrachloroethene	U	0.005	mg/L	SW846-8260
Toluene	U	0.005	mg/L	SW846-8260
Total Xylene	U	0.01	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L	SW846-8260
Trichloroethene		0.005	mg/L	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L	SW846-8260
Vinyl acetate	U	0.005	mg/L	SW846-8260
Vinyl chloride	U	0.002	mg/L	SW846-8260

**MW264**

**C746SG97-03**

**C-746S&T Groundwater Monitoring 2nd Quarter FY97**

**5011-97**

Collected: 1/6/1997

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		46.5	mg/L			IN7120
Nitrate as Nitrogen	U	1	mg/L			IN7120
Total Organic Carbon (TOC)	U	1	mg/L			ST7480
Total Organic Halides (TOX)	U	0.025	mg/L			SW846-9020
<b>Field P</b>						
Depth to Water		37.4	ft			
Dissolved Oxygen		1.2	mg/L			
pH		6.2	Std Unit			
Specific Conductivity (PIP)		545	umho/cm			
Temperature		56	deg F			
<b>METAL</b>						
Barium		0.154	mg/L			SW846-6010
Beryllium	U	0.025	mg/L			SW846-6010
Cadmium	U	0.005	mg/L			SW846-7131
Chromium	U	0.05	mg/L			SW846-6010
Cobalt	U	0.1	mg/L			SW846-6010
Copper	U	0.1	mg/L			SW846-6010
Iron	B	0.878	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Nickel	U	0.1	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	U	0.05	mg/L			SW846-6010
Sodium	N	46.7	mg/L			SW846-6010
Thallium	U	0.4	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Vanadium	U	0.25	mg/L			SW846-6010
Zinc	U	0.25	mg/L			SW846-6010
<b>METAL-D</b>						
Barium		0.136	mg/L			SW846-6010
<b>PHYSC</b>						
Chemical Oxygen Demand (COD)	<	5	mg/L			IN7430
Dissolved Solids		295	mg/L			IN7475
Turbidity		4.9	NTU			IN7490
<b>RADS</b>						
Alpha activity		-0.2	pCi/L	-0.1		RL-7122
Beta activity		28	pCi/L	4		RL-7122
Technetium-99		0	pCi/L	0		RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L			SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L			SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1-Dichloroethane	U	0.005	mg/L			SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L			SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L			SW846-8260
1,2-Dibromoethane	U	0.005	mg/L			SW846-8260

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1,2-Dichloroethane	U	0.005	mg/L	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	SW846-8260
2-Butanone	U	0.005	mg/L	SW846-8260
2-Chloroethyl vinyl ether	U	0.005	mg/L	SW846-8260
2-Hexanone	U	0.005	mg/L	SW846-8260
4-Methyl-2-pentanone	U	0.005	mg/L	SW846-8260
Acetone	U	0.005	mg/L	SW846-8260
Acrolein	UJ	0.005	mg/L	SW846-8030
Acrylonitrile	UJ	0.005	mg/L	SW846-8030
Benzene	U	0.005	mg/L	SW846-8260
Bromochloromethane	U	0.005	mg/L	SW846-8260
Bromodichloromethane	U	0.005	mg/L	SW846-8260
Bromoform	U	0.005	mg/L	SW846-8260
Bromomethane	U	0.005	mg/L	SW846-8260
Carbon disulfide	U	0.005	mg/L	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	SW846-8260
Chlorobenzene	U	0.005	mg/L	SW846-8260
Chloroethane	U	0.005	mg/L	SW846-8260
Chloromethane	U	0.005	mg/L	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Dibromochloromethane	U	0.005	mg/L	SW846-8260
Dibromomethane	U	0.005	mg/L	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	SW846-8260
Ethanol	UJ	0.25	mg/L	SW846-8015
Ethyl methacrylate	U	0.005	mg/L	SW846-8260
Ethylbenzene	U	0.005	mg/L	SW846-8260
Iodomethane	U	0.005	mg/L	SW846-8260
Methylene chloride	U	0.005	mg/L	SW846-8260
Styrene	U	0.005	mg/L	SW846-8260
Tetrachloroethene	U	0.005	mg/L	SW846-8260
Toluene	U	0.005	mg/L	SW846-8260
Total Xylene	U	0.01	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L	SW846-8260
Trichloroethene		0.002	mg/L	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L	SW846-8260
Vinyl acetate	U	0.005	mg/L	SW846-8260
Vinyl chloride	U	0.002	mg/L	SW846-8260

MW264

C746SG97-03

C-746S&amp;T Groundwater Monitoring 2nd Quarter FY97

5015-97

Collected: 1/6/1997

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		54	mg/L			IN7120
Nitrate as Nitrogen	U	1	mg/L			IN7120
Total Organic Carbon (TOC)	U	1	mg/L			ST7480
Total Organic Halides (TOX)	U	0.025	mg/L			SW846-9020
<b>Field P</b>						
Depth to Water		37.4	ft			
Dissolved Oxygen		1.2	mg/L			
pH		6.2	Std Unit			
Temperature		56	deg F			
<b>METAL</b>						
Barium		0.146	mg/L			SW846-6010
Beryllium	U	0.025	mg/L			SW846-6010
Cadmium	U	0.005	mg/L			SW846-7131
Chromium	U	0.05	mg/L			SW846-6010
Cobalt	U	0.1	mg/L			SW846-6010
Copper	U	0.1	mg/L			SW846-6010
Iron	B	0.839	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Nickel	U	0.1	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	U	0.05	mg/L			SW846-6010
Sodium	N	45.1	mg/L			SW846-6010
Thallium	U	0.4	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Vanadium	U	0.25	mg/L			SW846-6010
Zinc	U	0.25	mg/L			SW846-6010
<b>METAL-D</b>						
Barium		0.121	mg/L			SW846-6010
<b>PHYSC</b>						
Chemical Oxygen Demand (COD)	<	5	mg/L			IN7430
Dissolved Solids		301	mg/L			IN7475
Specific Conductivity (PIP)		545	umho/cm			ES214
Turbidity		4.9	NTU			IN7490
<b>RADS</b>						
Alpha activity		0.9	pCi/L	0.4		RL-7122
Beta activity		5	pCi/L	1		RL-7122
Technetium-99		0	pCi/L	0		RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L			SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L			SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1-Dichloroethane	U	0.005	mg/L			SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L			SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L			SW846-8260
1,2-Dibromoethane	U	0.005	mg/L			SW846-8260

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1,2-Dichloroethane	U	0.005	mg/L	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	SW846-8260
2-Butanone	U	0.005	mg/L	SW846-8260
2-Chloroethyl vinyl ether	U	0.005	mg/L	SW846-8260
2-Hexanone	U	0.005	mg/L	SW846-8260
4-Methyl-2-pentanone	U	0.005	mg/L	SW846-8260
Acetone	U	0.005	mg/L	SW846-8260
Acrolein	UJ	0.005	mg/L	SW846-8030
Acrylonitrile	UJ	0.005	mg/L	SW846-8030
Benzene	U	0.005	mg/L	SW846-8260
Bromochloromethane	U	0.005	mg/L	SW846-8260
Bromodichloromethane	U	0.005	mg/L	SW846-8260
Bromoform	U	0.005	mg/L	SW846-8260
Bromomethane	U	0.005	mg/L	SW846-8260
Carbon disulfide	U	0.005	mg/L	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	SW846-8260
Chlorobenzene	U	0.005	mg/L	SW846-8260
Chloroethane	U	0.005	mg/L	SW846-8260
Chloromethane	U	0.005	mg/L	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Dibromochloromethane	U	0.005	mg/L	SW846-8260
Dibromomethane	U	0.005	mg/L	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	SW846-8260
Ethanol	UJ	0.25	mg/L	SW846-8015
Ethyl methacrylate	U	0.005	mg/L	SW846-8260
Ethylbenzene	U	0.005	mg/L	SW846-8260
Iodomethane	U	0.005	mg/L	SW846-8260
Methylene chloride	U	0.005	mg/L	SW846-8260
Styrene	U	0.005	mg/L	SW846-8260
Tetrachloroethene	U	0.005	mg/L	SW846-8260
Toluene	U	0.005	mg/L	SW846-8260
Total Xylene	U	0.01	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L	SW846-8260
Trichloroethene	U	0.001	mg/L	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L	SW846-8260
Vinyl acetate	U	0.005	mg/L	SW846-8260
Vinyl chloride	U	0.002	mg/L	SW846-8260



## MW265

## C746SG97-03

## C-746S&amp;T Groundwater Monitoring 2nd Quarter FY97

## 5012-97

Collected: 1/7/1997

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		38	mg/L			IN7120
Nitrate as Nitrogen		1.1	mg/L			IN7120
Total Organic Carbon (TOC)	U	1	mg/L			ST7480
Total Organic Halides (TOX)	U	0.025	mg/L			SW846-9020
<b>Field P</b>						
Depth to Water		40.35	ft			
Dissolved Oxygen		1.38	mg/L			
pH		6.2	Std Unit			
Temperature		54	deg F			
<b>METAL</b>						
Barium		0.229	mg/L			SW846-6010
Beryllium	U	0.025	mg/L			SW846-6010
Cadmium	U	0.005	mg/L			SW846-7131
Chromium		0.529	mg/L			SW846-6010
Cobalt	U	0.1	mg/L			SW846-6010
Copper	U	0.1	mg/L			SW846-6010
Iron		3.23	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Nickel	U	0.1	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	U	0.05	mg/L			SW846-6010
Sodium	N	43.1	mg/L			SW846-6010
Thallium	U	0.4	mg/L			SW846-6010
Uranium		0.002	mg/L			IN7105
Vanadium	U	0.25	mg/L			SW846-6010
Zinc	U	0.25	mg/L			SW846-6010
<b>METAL-D</b>						
Barium		0.191	mg/L			SW846-6010
Chromium	U	0.05	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
<b>PHYSC</b>						
Chemical Oxygen Demand (COD)	<	5	mg/L			IN7430
Dissolved Solids		238	mg/L			IN7475
Specific Conductivity (PIP)		383	umho/cm			ES214
Turbidity		17	NTU			IN7490
<b>RADS</b>						
Alpha activity		0.5	pCi/L	0.3		RL-7122
Beta activity		6	pCi/L	1		RL-7122
Technetium-99		0	pCi/L	0		RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L			SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L			SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1-Dichloroethane	U	0.005	mg/L			SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L			SW846-8260

## MW265

## C746SG97-03

## C-746S&amp;T Groundwater Monitoring 2nd Quarter FY97

1,2-Dibromo-3-chloropropane	U	0.005	mg/L	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	SW846-8260
2-Butanone	U	0.005	mg/L	SW846-8260
2-Chloroethyl vinyl ether	U	0.005	mg/L	SW846-8260
2-Hexanone	U	0.005	mg/L	SW846-8260
4-Methyl-2-pentanone	U	0.005	mg/L	SW846-8260
Acetone	U	0.005	mg/L	SW846-8260
Acrolein	UJ	0.005	mg/L	SW846-8030
Acrylonitrile	UJ	0.005	mg/L	SW846-8030
Benzene	U	0.005	mg/L	SW846-8260
Bromochloromethane	U	0.005	mg/L	SW846-8260
Bromodichloromethane	U	0.005	mg/L	SW846-8260
Bromoform	U	0.005	mg/L	SW846-8260
Bromomethane	U	0.005	mg/L	SW846-8260
Carbon disulfide	U	0.005	mg/L	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	SW846-8260
Chlorobenzene	U	0.005	mg/L	SW846-8260
Chloroethane	U	0.005	mg/L	SW846-8260
Chloromethane	U	0.005	mg/L	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Dibromochloromethane	U	0.005	mg/L	SW846-8260
Dibromomethane	U	0.005	mg/L	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	SW846-8260
Ethanol	UJ	0.25	mg/L	SW846-8015
Ethyl methacrylate	U	0.005	mg/L	SW846-8260
Ethylbenzene	U	0.005	mg/L	SW846-8260
Iodomethane	U	0.005	mg/L	SW846-8260
Methylene chloride	U	0.005	mg/L	SW846-8260
Styrene	U	0.005	mg/L	SW846-8260
Tetrachloroethene	U	0.005	mg/L	SW846-8260
Toluene	U	0.005	mg/L	SW846-8260
Total Xylene	U	0.01	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L	SW846-8260
Trichloroethene		0.002	mg/L	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L	SW846-8260
Vinyl acetate	U	0.005	mg/L	SW846-8260
Vinyl chloride	U	0.002	mg/L	SW846-8260

MW266

C746SG97-03

C-746S&T Groundwater Monitoring 2nd Quarter FY97

5013-97

Collected: 1/7/1997

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		46.3	mg/L			IN7120
Nitrate as Nitrogen		1.2	mg/L			IN7120
Total Organic Carbon (TOC)	U	1	mg/L			ST7480
Total Organic Halides (TOX)	U	0.025	mg/L			SW846-9020
<b>Field P</b>						
Depth to Water		36.92	ft			
Dissolved Oxygen		0.93	mg/L			
pH		5.9	Std Unit			
Temperature		56	deg F			
<b>METAL</b>						
Barium		0.073	mg/L			SW846-6010
Beryllium	U	0.025	mg/L			SW846-6010
Cadmium	U	0.005	mg/L			SW846-7131
Chromium		3.04	mg/L			SW846-6010
Cobalt	U	0.1	mg/L			SW846-6010
Copper	U	0.1	mg/L			SW846-6010
Iron		17.6	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Nickel		0.284	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	U	0.05	mg/L			SW846-6010
Sodium	N	34.3	mg/L			SW846-6010
Thallium	U	0.4	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Vanadium	U	0.25	mg/L			SW846-6010
Zinc	U	0.25	mg/L			SW846-6010
<b>METAL-D</b>						
Barium		0.056	mg/L			SW846-6010
Chromium	U	0.05	mg/L			SW846-6010
<b>PHYSC</b>						
Chemical Oxygen Demand (COD)	<	5	mg/L			IN7430
Dissolved Solids		272	mg/L			IN7475
Specific Conductivity (PIP)		479	umho/cm			ES214
Turbidity		200	NTU			IN7490
<b>RADS</b>						
Alpha activity		3.9	pCi/L	1.4		RL-7122
Beta activity		20	pCi/L	3		RL-7122
Technetium-99		0	pCi/L	0		RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L			SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L			SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1-Dichloroethane	U	0.005	mg/L			SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L			SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L			SW846-8260

## MW266

## C746SG97-03

## C-746S&amp;T Groundwater Monitoring 2nd Quarter FY97

1,2-Dibromoethane	U	0.005	mg/L	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	SW846-8260
2-Butanone	U	0.005	mg/L	SW846-8260
2-Chloroethyl vinyl ether	U	0.005	mg/L	SW846-8260
2-Hexanone	U	0.005	mg/L	SW846-8260
4-Methyl-2-pentanone	U	0.005	mg/L	SW846-8260
Acetone	U	0.005	mg/L	SW846-8260
Acrolein	UJ	0.005	mg/L	SW846-8030
Acrylonitrile	UJ	0.005	mg/L	SW846-8030
Benzene	U	0.005	mg/L	SW846-8260
Bromochloromethane	U	0.005	mg/L	SW846-8260
Bromodichloromethane	U	0.005	mg/L	SW846-8260
Bromoform	U	0.005	mg/L	SW846-8260
Bromomethane	U	0.005	mg/L	SW846-8260
Carbon disulfide	U	0.005	mg/L	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	SW846-8260
Chlorobenzene	U	0.005	mg/L	SW846-8260
Chloroethane	U	0.005	mg/L	SW846-8260
Chloromethane	U	0.005	mg/L	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Dibromochloromethane	U	0.005	mg/L	SW846-8260
Dibromomethane	U	0.005	mg/L	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	SW846-8260
Ethanol	UJ	0.25	mg/L	SW846-8015
Ethyl methacrylate	U	0.005	mg/L	SW846-8260
Ethylbenzene	U	0.005	mg/L	SW846-8260
Iodomethane	U	0.005	mg/L	SW846-8260
Methylene chloride	U	0.005	mg/L	SW846-8260
Styrene	U	0.005	mg/L	SW846-8260
Tetrachloroethene	U	0.005	mg/L	SW846-8260
Toluene	U	0.005	mg/L	SW846-8260
Total Xylene	U	0.01	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L	SW846-8260
Trichloroethene		0.002	mg/L	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L	SW846-8260
Vinyl acetate	U	0.005	mg/L	SW846-8260
Vinyl chloride	U	0.002	mg/L	SW846-8260

MW267

C746SG97-03

C-746S&T Groundwater Monitoring 2nd Quarter FY97

5014-97

Collected: 1/6/1997

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		52.1	mg/L			IN7120
Nitrate as Nitrogen		2.8	mg/L			IN7120
Total Organic Carbon (TOC)	U	1	mg/L			ST7480
Total Organic Halides (TOX)	U	0.025	mg/L			SW846-9020
<b>Field P</b>						
Depth to Water		52.16	ft			
Dissolved Oxygen		1.49	mg/L			
pH		5.9	Std Unit			
Specific Conductivity (PIP)		452	umho/cm			
Temperature		55	deg F			
<b>METAL</b>						
Barium		0.208	mg/L			SW846-6010
Beryllium	U	0.025	mg/L			SW846-6010
Cadmium	U	0.005	mg/L			SW846-7131
Chromium		1.2	mg/L			SW846-6010
Cobalt	U	0.1	mg/L			SW846-6010
Copper		0.178	mg/L			SW846-6010
Iron		4.44	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Nickel		0.17	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	U	0.05	mg/L			SW846-6010
Sodium	N	46.1	mg/L			SW846-6010
Thallium	U	0.4	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Vanadium	U	0.25	mg/L			SW846-6010
Zinc	U	0.25	mg/L			SW846-6010
<b>METAL-D</b>						
Barium		0.177	mg/L			SW846-6010
Chromium	U	0.05	mg/L			SW846-6010
<b>PHYSC</b>						
Chemical Oxygen Demand (COD)	<	5	mg/L			IN7430
Dissolved Solids		235	mg/L			IN7475
Turbidity		22	NTU			IN7490
<b>RADS</b>						
Alpha activity		3	pCi/L	1.1		RL-7122
Beta activity		21	pCi/L	3		RL-7122
Technetium-99		6	pCi/L	13		RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L			SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L			SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1-Dichloroethane	U	0.005	mg/L			SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L			SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L			SW846-8260

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## C746SG97-03

## C-746S&amp;T Groundwater Monitoring 2nd Quarter FY97

1,2-Dibromoethane	U	0.005	mg/L	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	SW846-8260
2-Butanone	U	0.005	mg/L	SW846-8260
2-Chloroethyl vinyl ether	U	0.005	mg/L	SW846-8260
2-Hexanone	U	0.005	mg/L	SW846-8260
4-Methyl-2-pentanone	U	0.005	mg/L	SW846-8260
Acetone	U	0.005	mg/L	SW846-8260
Acrolein	UJ	0.005	mg/L	SW846-8030
Acrylonitrile	UJ	0.005	mg/L	SW846-8030
Benzene	U	0.005	mg/L	SW846-8260
Bromochloromethane	U	0.005	mg/L	SW846-8260
Bromodichloromethane	U	0.005	mg/L	SW846-8260
Bromoform	U	0.005	mg/L	SW846-8260
Bromomethane	U	0.005	mg/L	SW846-8260
Carbon disulfide	U	0.005	mg/L	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	SW846-8260
Chlorobenzene	U	0.005	mg/L	SW846-8260
Chloroethane	U	0.005	mg/L	SW846-8260
Chloromethane	U	0.005	mg/L	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Dibromochloromethane	U	0.005	mg/L	SW846-8260
Dibromomethane	U	0.005	mg/L	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	SW846-8260
Ethanol	UJ	0.25	mg/L	SW846-8015
Ethyl methacrylate	U	0.005	mg/L	SW846-8260
Ethylbenzene	U	0.005	mg/L	SW846-8260
Iodomethane	U	0.005	mg/L	SW846-8260
Methylene chloride	U	0.005	mg/L	SW846-8260
Styrene	U	0.005	mg/L	SW846-8260
Tetrachloroethene	U	0.005	mg/L	SW846-8260
Toluene	U	0.005	mg/L	SW846-8260
Total Xylene	U	0.01	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L	SW846-8260
Trichloroethene	U	0.001	mg/L	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L	SW846-8260
Vinyl acetate	U	0.005	mg/L	SW846-8260
Vinyl chloride	U	0.002	mg/L	SW846-8260

MW179

C746SG97-04

C-746S&T Groundwater Monitoring 3rd Quarter FY97

5241-97

Collected: 4/4/1997

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		37.2	mg/L			IN7120
Nitrate as Nitrogen	U	1	mg/L			IN7120
Total Organic Carbon (TOC)	UN	1	mg/L			ST7480
Total Organic Halides (TOX)		0.034	mg/L			SW846-9020
<b>Field P</b>						
Depth to Water		25.65	ft			
Dissolved Oxygen		3.31	mg/L			
pH		6	Std Unit			
Specific Conductivity (PIP)		461	umho/cm			
Temperature		58	deg F			
<b>METAL</b>						
Barium	U	0.05	mg/L			SW846-6010
Beryllium	U	0.025	mg/L			SW846-6010
Cadmium	BNU	0.005	mg/L			SW846-7131
Chromium	U	0.05	mg/L			SW846-6010
Cobalt	U	0.1	mg/L			SW846-6010
Copper	U	0.1	mg/L			SW846-6010
Iron		0.582	mg/L			SW846-6010
Mercury	NU	0.0002	mg/L			SW846-7470
Nickel	U	0.1	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	U	0.05	mg/L			SW846-6010
Sodium	N	31.2	mg/L			SW846-6010
Thallium	U	0.4	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Vanadium	U	0.25	mg/L			SW846-6010
Zinc	NU	0.25	mg/L			SW846-6010
<b>PHYSC</b>						
Chemical Oxygen Demand (COD)	<	25	mg/L			IN7430
Dissolved Solids		258	mg/L			IN7475
Turbidity	*	5.6	NTU			IN7490
<b>RADS</b>						
Alpha activity		1.4	pCi/L	0.7		RL-7122
Beta activity		18	pCi/L	3		RL-7122
Technetium-99		6	pCi/L	12		RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L			SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L			SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1-Dichloroethane	U	0.005	mg/L			SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L			SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L			SW846-8260
1,2-Dibromoethane	U	0.005	mg/L			SW846-8260
1,2-Dichloroethane	U	0.005	mg/L			SW846-8260
1,2-Dichloropropane	U	0.005	mg/L			SW846-8260

## MW179

## C746SG97-04

## C-746S&amp;T Groundwater Monitoring 3rd Quarter FY97

2-Butanone	U	0.005	mg/L	SW846-8260
2-Chloroethyl vinyl ether	U	0.005	mg/L	SW846-8260
2-Hexanone	U	0.005	mg/L	SW846-8260
4-Methyl-2-pentanone	U	0.005	mg/L	SW846-8260
Acetone	U	0.005	mg/L	SW846-8260
Acrolein	U	0.005	mg/L	SW846-8030
Acrylonitrile	U	0.005	mg/L	SW846-8030
Benzene	U	0.005	mg/L	SW846-8260
Bromochloromethane	U	0.005	mg/L	SW846-8260
Bromodichloromethane	U	0.005	mg/L	SW846-8260
Bromoform	U	0.005	mg/L	SW846-8260
Bromomethane	U	0.005	mg/L	SW846-8260
Carbon disulfide	U	0.005	mg/L	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	SW846-8260
Chlorobenzene	U	0.005	mg/L	SW846-8260
Chloroethane	U	0.005	mg/L	SW846-8260
Chloromethane	U	0.005	mg/L	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Dibromochloromethane	U	0.005	mg/L	SW846-8260
Dibromomethane	U	0.005	mg/L	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	SW846-8260
Ethanol	U	0.25	mg/L	SW846-8015
Ethyl methacrylate	U	0.005	mg/L	SW846-8260
Ethylbenzene	U	0.005	mg/L	SW846-8260
Iodomethane	U	0.005	mg/L	SW846-8260
Methylene chloride	U	0.01	mg/L	SW846-8260
Styrene	U	0.005	mg/L	SW846-8260
Tetrachloroethene	U	0.005	mg/L	SW846-8260
Toluene	U	0.005	mg/L	SW846-8260
Total Xylene	U	0.005	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L	SW846-8260
Trichloroethene	U	0.001	mg/L	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L	SW846-8260
Vinyl acetate	U	0.005	mg/L	SW846-8260
Vinyl chloride	U	0.002	mg/L	SW846-8260



MW181

C746SG97-04

## C-746S&amp;T Groundwater Monitoring 3rd Quarter FY97

5242-97

Collected: 4/8/1997

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		50.4	mg/L			IN7120
Nitrate as Nitrogen		1.3	mg/L			IN7120
Total Organic Carbon (TOC)	UN	1	mg/L			ST7480
Total Organic Halides (TOX)		0.027	mg/L			SW846-9020
<b>Field P</b>						
Depth to Water		37.67	ft			
Dissolved Oxygen		2.83	mg/L			
pH		6	Std Unit			
Specific Conductivity (PIP)		466	umho/cm			
Temperature		61	deg F			
<b>METAL</b>						
Barium		0.226	mg/L			SW846-6010
Beryllium	U	0.025	mg/L			SW846-6010
Cadmium	BNU	0.005	mg/L			SW846-7131
Chromium		2.32	mg/L			SW846-6010
Cobalt	U	0.1	mg/L			SW846-6010
Copper	U	0.1	mg/L			SW846-6010
Iron		14.8	mg/L			SW846-6010
Mercury	NU	0.0002	mg/L			SW846-7470
Nickel		0.366	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	U	0.05	mg/L			SW846-6010
Sodium	N	49.9	mg/L			SW846-6010
Thallium	U	0.4	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Vanadium	U	0.25	mg/L			SW846-6010
Zinc	NU	0.25	mg/L			SW846-6010
<b>METAL-D</b>						
Barium		0.162	mg/L			SW846-6010
Chromium	U	0.05	mg/L			SW846-6010
<b>PHYSC</b>						
Chemical Oxygen Demand (COD)	<	25	mg/L			IN7430
Dissolved Solids		289	mg/L			IN7475
Turbidity	X	17	NTU			IN7490
<b>RADS</b>						
Alpha activity		0.2	pCi/L	0.1		RL-7122
Beta activity		46	pCi/L	4		RL-7122
Technetium-99		105	pCi/L	15		RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L			SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L			SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1-Dichloroethane	U	0.005	mg/L			SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L			SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L			SW846-8260

## MW181

## C746SG97-04

## C-746S&amp;T Groundwater Monitoring 3rd Quarter FY97

1,2-Dibromoethane	U	0.005	mg/L	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	SW846-8260
2-Butanone	U	0.005	mg/L	SW846-8260
2-Chloroethyl vinyl ether	U	0.005	mg/L	SW846-8260
2-Hexanone	U	0.005	mg/L	SW846-8260
4-Methyl-2-pentanone	U	0.005	mg/L	SW846-8260
Acetone	U	0.005	mg/L	SW846-8260
Acrolein	U	0.005	mg/L	SW846-8030
Acrylonitrile	U	0.005	mg/L	SW846-8030
Benzene	U	0.005	mg/L	SW846-8260
Bromochloromethane	U	0.005	mg/L	SW846-8260
Bromodichloromethane	U	0.005	mg/L	SW846-8260
Bromoform	U	0.005	mg/L	SW846-8260
Bromomethane	U	0.005	mg/L	SW846-8260
Carbon disulfide	U	0.005	mg/L	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	SW846-8260
Chlorobenzene	U	0.005	mg/L	SW846-8260
Chloroethane	U	0.005	mg/L	SW846-8260
Chloromethane	U	0.005	mg/L	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Dibromochloromethane	U	0.005	mg/L	SW846-8260
Dibromomethane	U	0.005	mg/L	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	SW846-8260
Ethanol	U	0.25	mg/L	SW846-8015
Ethyl methacrylate	U	0.005	mg/L	SW846-8260
Ethylbenzene	U	0.005	mg/L	SW846-8260
Iodomethane	U	0.005	mg/L	SW846-8260
Methylene chloride	U	0.01	mg/L	SW846-8260
Styrene	U	0.005	mg/L	SW846-8260
Tetrachloroethene	U	0.005	mg/L	SW846-8260
Toluene	U	0.005	mg/L	SW846-8260
Total Xylene	U	0.005	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L	SW846-8260
Trichloroethene	U	0.001	mg/L	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L	SW846-8260
Vinyl acetate	U	0.005	mg/L	SW846-8260
Vinyl chloride	U	0.002	mg/L	SW846-8260

MW220

C746SG97-04

## C-746S&amp;T Groundwater Monitoring 3rd Quarter FY97

5243-97

Collected: 4/7/1997

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		31.9	mg/L			IN7120
Nitrate as Nitrogen		1.5	mg/L			IN7120
Total Organic Carbon (TOC)	UN	1	mg/L			ST7480
Total Organic Halides (TOX)	U	0.025	mg/L			SW846-9020
<b>Field P</b>						
Depth to Water		48.71	ft			
Dissolved Oxygen		5.75	mg/L			
pH		6	Std Unit			
Specific Conductivity (PIP)		334	umho/cm			
Temperature		59	deg F			
<b>METAL</b>						
Barium		0.202	mg/L			SW846-6010
Beryllium	U	0.025	mg/L			SW846-6010
Cadmium	BNU	0.005	mg/L			SW846-7131
Chromium	U	0.05	mg/L			SW846-6010
Cobalt	U	0.1	mg/L			SW846-6010
Copper	U	0.1	mg/L			SW846-6010
Iron	U	0.3	mg/L			SW846-6010
Mercury	NU	0.0002	mg/L			SW846-7470
Nickel		0.285	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	U	0.05	mg/L			SW846-6010
Sodium	N	34.6	mg/L			SW846-6010
Thallium	U	0.4	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Vanadium	U	0.25	mg/L			SW846-6010
Zinc	NU	0.25	mg/L			SW846-6010
<b>METAL-D</b>						
Barium		0.181	mg/L			SW846-6010
<b>PHYSC</b>						
Chemical Oxygen Demand (COD)	<	25	mg/L			IN7430
Dissolved Solids		190	mg/L			IN7475
Turbidity	<*	0.5	NTU			IN7490
<b>RADS</b>						
Alpha activity		1.6	pCi/L	0.8		RL-7122
Beta activity		23	pCi/L	3		RL-7122
Technetium-99		8	pCi/L	12		RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L			SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L			SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1-Dichloroethane	U	0.005	mg/L			SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L			SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L			SW846-8260
1,2-Dibromoethane	U	0.005	mg/L			SW846-8260

## MW220

## C746SG97-04

## C-746S&amp;T Groundwater Monitoring 3rd Quarter FY97

1,2-Dichloroethane	U	0.005	mg/L	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	SW846-8260
2-Butanone	U	0.005	mg/L	SW846-8260
2-Chloroethyl vinyl ether	U	0.005	mg/L	SW846-8260
2-Hexanone	U	0.005	mg/L	SW846-8260
4-Methyl-2-pentanone	U	0.005	mg/L	SW846-8260
Acetone	U	0.005	mg/L	SW846-8260
Acrolein	U	0.005	mg/L	SW846-8030
Acrylonitrile	U	0.005	mg/L	SW846-8030
Benzene	U	0.005	mg/L	SW846-8260
Bromochloromethane	U	0.005	mg/L	SW846-8260
Bromodichloromethane	U	0.005	mg/L	SW846-8260
Bromoform	U	0.005	mg/L	SW846-8260
Bromomethane	U	0.005	mg/L	SW846-8260
Carbon disulfide	U	0.005	mg/L	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	SW846-8260
Chlorobenzene	U	0.005	mg/L	SW846-8260
Chloroethane	U	0.005	mg/L	SW846-8260
Chloromethane	U	0.005	mg/L	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Dibromochloromethane	U	0.005	mg/L	SW846-8260
Dibromomethane	U	0.005	mg/L	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	SW846-8260
Ethanol	U	0.25	mg/L	SW846-8015
Ethyl methacrylate	U	0.005	mg/L	SW846-8260
Ethylbenzene	U	0.005	mg/L	SW846-8260
Iodomethane	U	0.005	mg/L	SW846-8260
Methylene chloride	U	0.01	mg/L	SW846-8260
Styrene	U	0.005	mg/L	SW846-8260
Tetrachloroethene	U	0.005	mg/L	SW846-8260
Toluene	U	0.005	mg/L	SW846-8260
Total Xylene	U	0.005	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L	SW846-8260
Trichloroethene	U	0.001	mg/L	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L	SW846-8260
Vinyl acetate	U	0.005	mg/L	SW846-8260
Vinyl chloride	U	0.002	mg/L	SW846-8260

MW220

C746SG97-04

## C-746S&amp;T Groundwater Monitoring 3rd Quarter FY97

5255-97

Collected: 4/7/1997

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		31.3	mg/L			IN7120
Nitrate as Nitrogen		1.5	mg/L			IN7120
Total Organic Carbon (TOC)	UN	1	mg/L			ST7480
Total Organic Halides (TOX)	U	0.025	mg/L			SW846-9020
<b>Field P</b>						
Depth to Water		48.71	ft			
Dissolved Oxygen		5.75	mg/L			
pH		6	Std Unit			
Specific Conductivity (PIP)		334	umho/cm			
Temperature		59	deg F			
<b>METAL</b>						
Barium		0.198	mg/L			SW846-6010
Beryllium	U	0.025	mg/L			SW846-6010
Cadmium	BNU	0.005	mg/L			SW846-7131
Chromium	U	0.05	mg/L			SW846-6010
Cobalt	U	0.1	mg/L			SW846-6010
Copper	U	0.1	mg/L			SW846-6010
Iron	U	0.3	mg/L			SW846-6010
Mercury	NU	0.0002	mg/L			SW846-7470
Nickel		0.231	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	U	0.05	mg/L			SW846-6010
Sodium	N	34.6	mg/L			SW846-6010
Thallium	U	0.4	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Vanadium	U	0.25	mg/L			SW846-6010
Zinc	NU	0.25	mg/L			SW846-6010
<b>METAL-D</b>						
Barium		0.176	mg/L			SW846-6010
<b>PHYSC</b>						
Chemical Oxygen Demand (COD)	<	25	mg/L			IN7430
Dissolved Solids		199	mg/L			IN7475
Turbidity	*	6.2	NTU			IN7490
<b>RADS</b>						
Alpha activity		-2.1	pCi/L	-1.2		RL-7122
Beta activity		10	pCi/L	2		RL-7122
Technetium-99		0	pCi/L	0		RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L			SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L			SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1-Dichloroethane	U	0.005	mg/L			SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L			SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L			SW846-8260
1,2-Dibromoethane	U	0.005	mg/L			SW846-8260

## MW220

## C746SG97-04

## C-746S&amp;T Groundwater Monitoring 3rd Quarter FY97

1,2-Dichloroethane	U	0.005	mg/L	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	SW846-8260
2-Butanone	U	0.005	mg/L	SW846-8260
2-Chloroethyl vinyl ether	U	0.005	mg/L	SW846-8260
2-Hexanone	U	0.005	mg/L	SW846-8260
4-Methyl-2-pentanone	U	0.005	mg/L	SW846-8260
Acetone	U	0.005	mg/L	SW846-8260
Acrolein	U	0.005	mg/L	SW846-8030
Acrylonitrile	U	0.005	mg/L	SW846-8030
Benzene	U	0.005	mg/L	SW846-8260
Bromochloromethane	U	0.005	mg/L	SW846-8260
Bromodichloromethane	U	0.005	mg/L	SW846-8260
Bromoform	U	0.005	mg/L	SW846-8260
Bromomethane	U	0.005	mg/L	SW846-8260
Carbon disulfide	U	0.005	mg/L	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	SW846-8260
Chlorobenzene	U	0.005	mg/L	SW846-8260
Chloroethane	U	0.005	mg/L	SW846-8260
Chloromethane	U	0.005	mg/L	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Dibromochloromethane	U	0.005	mg/L	SW846-8260
Dibromomethane	U	0.005	mg/L	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	SW846-8260
Ethanol	U	0.25	mg/L	SW846-8015
Ethyl methacrylate	U	0.005	mg/L	SW846-8260
Ethylbenzene	U	0.005	mg/L	SW846-8260
Iodomethane	U	0.005	mg/L	SW846-8260
Methylene chloride	U	0.01	mg/L	SW846-8260
Styrene	U	0.005	mg/L	SW846-8260
Tetrachloroethene	U	0.005	mg/L	SW846-8260
Toluene	U	0.005	mg/L	SW846-8260
Total Xylene	U	0.005	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L	SW846-8260
Trichloroethene	U	0.001	mg/L	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L	SW846-8260
Vinyl acetate	U	0.005	mg/L	SW846-8260
Vinyl chloride	U	0.002	mg/L	SW846-8260

MW221

C746SG97-04

C-746S&T Groundwater Monitoring 3rd Quarter FY97

5244-97

Collected: 4/7/1997

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		47.9	mg/L			IN7120
Nitrate as Nitrogen		1.4	mg/L			IN7120
Total Organic Carbon (TOC)	N	1	mg/L			ST7480
Total Organic Halides (TOX)		0.027	mg/L			SW846-9020
<b>Field P</b>						
Depth to Water		58.14	ft			
Dissolved Oxygen		4.03	mg/L			
pH		6	Std Unit			
Specific Conductivity (PIP)		425	umho/cm			
Temperature		59	deg F			
<b>METAL</b>						
Barium		0.253	mg/L			SW846-6010
Beryllium	U	0.025	mg/L			SW846-6010
Cadmium	BNU	0.005	mg/L			SW846-7131
Chromium		0.073	mg/L			SW846-6010
Cobalt	U	0.1	mg/L			SW846-6010
Copper	U	0.1	mg/L			SW846-6010
Iron		0.547	mg/L			SW846-6010
Mercury	NU	0.0002	mg/L			SW846-7470
Nickel		0.391	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	U	0.05	mg/L			SW846-6010
Sodium	N	39.8	mg/L			SW846-6010
Thallium	U	0.4	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Vanadium	U	0.25	mg/L			SW846-6010
Zinc	NU	0.25	mg/L			SW846-6010
<b>METAL-D</b>						
Barium		0.219	mg/L			SW846-6010
Chromium	U	0.05	mg/L			SW846-6010
<b>PHYSC</b>						
Chemical Oxygen Demand (COD)	<	25	mg/L			IN7430
Dissolved Solids		234	mg/L			IN7475
Turbidity	*	2.4	NTU			IN7490
<b>RADS</b>						
Alpha activity		0.2	pCi/L	0.1		RL-7122
Beta activity		15	pCi/L	2		RL-7122
Technetium-99		1	pCi/L	9		RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L			SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L			SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1-Dichloroethane	U	0.005	mg/L			SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L			SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L			SW846-8260

## MW221

## C746SG97-04

## C-746S&amp;T Groundwater Monitoring 3rd Quarter FY97

1,2-Dibromoethane	U	0.005	mg/L	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	SW846-8260
2-Butanone	U	0.005	mg/L	SW846-8260
2-Chloroethyl vinyl ether	U	0.005	mg/L	SW846-8260
2-Hexanone	U	0.005	mg/L	SW846-8260
4-Methyl-2-pentanone	U	0.005	mg/L	SW846-8260
Acetone	U	0.005	mg/L	SW846-8260
Acrolein	U	0.005	mg/L	SW846-8030
Acrylonitrile	U	0.005	mg/L	SW846-8030
Benzene	U	0.005	mg/L	SW846-8260
Bromochloromethane	U	0.005	mg/L	SW846-8260
Bromodichloromethane	U	0.005	mg/L	SW846-8260
Bromoform	U	0.005	mg/L	SW846-8260
Bromomethane	U	0.005	mg/L	SW846-8260
Carbon disulfide	U	0.005	mg/L	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	SW846-8260
Chlorobenzene	U	0.005	mg/L	SW846-8260
Chloroethane	U	0.005	mg/L	SW846-8260
Chloromethane	U	0.005	mg/L	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Dibromochloromethane	U	0.005	mg/L	SW846-8260
Dibromomethane	U	0.005	mg/L	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	SW846-8260
Ethanol	U	0.25	mg/L	SW846-8015
Ethyl methacrylate	U	0.005	mg/L	SW846-8260
Ethylbenzene	U	0.005	mg/L	SW846-8260
Iodomethane	U	0.005	mg/L	SW846-8260
Methylene chloride	U	0.01	mg/L	SW846-8260
Styrene	U	0.005	mg/L	SW846-8260
Tetrachloroethene	U	0.005	mg/L	SW846-8260
Toluene	U	0.005	mg/L	SW846-8260
Total Xylene	U	0.005	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L	SW846-8260
Trichloroethene	U	0.001	mg/L	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L	SW846-8260
Vinyl acetate	U	0.005	mg/L	SW846-8260
Vinyl chloride	U	0.002	mg/L	SW846-8260



MW222

C746SG97-04

C-746S&T Groundwater Monitoring 3rd Quarter FY97

5245-97

Collected: 4/7/1997

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		34.9	mg/L			IN7120
Nitrate as Nitrogen		1.1	mg/L			IN7120
Total Organic Carbon (TOC)	N	1	mg/L			ST7480
Total Organic Halides (TOX)	U	0.025	mg/L			SW846-9020
<b>Field P</b>						
Depth to Water		62.05	ft			
Dissolved Oxygen		5.69	mg/L			
pH		6.2	Std Unit			
Specific Conductivity (PIP)		438	umho/cm			
Temperature		59	deg F			
<b>METAL</b>						
Barium		0.338	mg/L			SW846-6010
Beryllium	U	0.025	mg/L			SW846-6010
Cadmium	BNU	0.005	mg/L			SW846-7131
Chromium		0.144	mg/L			SW846-6010
Cobalt	U	0.1	mg/L			SW846-6010
Copper	U	0.1	mg/L			SW846-6010
Iron		5.28	mg/L			SW846-6010
Mercury	NU	0.0002	mg/L			SW846-7470
Nickel		0.504	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	U	0.05	mg/L			SW846-6010
Sodium	N	52.7	mg/L			SW846-6010
Thallium	U	0.4	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Vanadium	U	0.25	mg/L			SW846-6010
Zinc	NU	0.25	mg/L			SW846-6010
<b>METAL-D</b>						
Barium		0.289	mg/L			SW846-6010
Chromium	U	0.05	mg/L			SW846-6010
<b>PHYSC</b>						
Chemical Oxygen Demand (COD)	<	25	mg/L			IN7430
Dissolved Solids		270	mg/L			IN7475
Turbidity	*	38	NTU			IN7490
<b>RADS</b>						
Alpha activity		-1.2	pCi/L	-0.7		RL-7122
Beta activity		1	pCi/L	0		RL-7122
Technetium-99		7	pCi/L	12		RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L			SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L			SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1-Dichloroethane	U	0.005	mg/L			SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L			SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L			SW846-8260

## MW222

## C746SG97-04

## C-746S&amp;T Groundwater Monitoring 3rd Quarter FY97

1,2-Dibromoethane	U	0.005	mg/L	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	SW846-8260
2-Butanone	U	0.005	mg/L	SW846-8260
2-Chloroethyl vinyl ether	U	0.005	mg/L	SW846-8260
2-Hexanone	U	0.005	mg/L	SW846-8260
4-Methyl-2-pentanone	U	0.005	mg/L	SW846-8260
Acetone	U	0.005	mg/L	SW846-8260
Acrolein	U	0.005	mg/L	SW846-8030
Acrylonitrile	U	0.005	mg/L	SW846-8030
Benzene	U	0.005	mg/L	SW846-8260
Bromochloromethane	U	0.005	mg/L	SW846-8260
Bromodichloromethane	U	0.005	mg/L	SW846-8260
Bromoform	U	0.005	mg/L	SW846-8260
Bromomethane	U	0.005	mg/L	SW846-8260
Carbon disulfide	U	0.005	mg/L	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	SW846-8260
Chlorobenzene	U	0.005	mg/L	SW846-8260
Chloroethane	U	0.005	mg/L	SW846-8260
Chloromethane	U	0.005	mg/L	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Dibromochloromethane	U	0.005	mg/L	SW846-8260
Dibromomethane	U	0.005	mg/L	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	SW846-8260
Ethanol	U	0.25	mg/L	SW846-8015
Ethyl methacrylate	U	0.005	mg/L	SW846-8260
Ethylbenzene	U	0.005	mg/L	SW846-8260
Iodomethane	U	0.005	mg/L	SW846-8260
Methylene chloride	U	0.01	mg/L	SW846-8260
Styrene	U	0.005	mg/L	SW846-8260
Tetrachloroethene	U	0.005	mg/L	SW846-8260
Toluene	U	0.005	mg/L	SW846-8260
Total Xylene	U	0.005	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L	SW846-8260
Trichloroethene	U	0.001	mg/L	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L	SW846-8260
Vinyl acetate	U	0.005	mg/L	SW846-8260
Vinyl chloride	U	0.002	mg/L	SW846-8260

**MW223**

**C746SG97-04**

**C-746S&T Groundwater Monitoring 3rd Quarter FY97**

**5246-97**

Collected: 4/7/1997

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		49.2	mg/L			IN7120
Nitrate as Nitrogen		2	mg/L			IN7120
Total Organic Carbon (TOC)	N	1	mg/L			ST7480
Total Organic Halides (TOX)	U	0.025	mg/L			SW846-9020
<b>Field P</b>						
Depth to Water		61.2	ft			
Dissolved Oxygen		2.49	mg/L			
pH		6.2	Std Unit			
Specific Conductivity (PIP)		508	umho/cm			
Temperature		60	deg F			
<b>METAL</b>						
Barium		0.288	mg/L			SW846-6010
Beryllium	U	0.025	mg/L			SW846-6010
Cadmium	BNU	0.005	mg/L			SW846-7131
Chromium		0.106	mg/L			SW846-6010
Cobalt	U	0.1	mg/L			SW846-6010
Copper	U	0.1	mg/L			SW846-6010
Iron		2.43	mg/L			SW846-6010
Mercury	NU	0.0002	mg/L			SW846-7470
Nickel		1.24	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	U	0.05	mg/L			SW846-6010
Sodium	N	43.7	mg/L			SW846-6010
Thallium	U	0.4	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Vanadium	U	0.25	mg/L			SW846-6010
Zinc	NU	0.25	mg/L			SW846-6010
<b>METAL-D</b>						
Barium		0.249	mg/L			SW846-6010
Chromium	U	0.05	mg/L			SW846-6010
<b>PHYSC</b>						
Chemical Oxygen Demand (COD)	<	25	mg/L			IN7430
Dissolved Solids		289	mg/L			IN7475
Turbidity	*	15	NTU			IN7490
<b>RADS</b>						
Alpha activity		-0.9	pCi/L	-0.4		RL-7122
Beta activity		24	pCi/L	3		RL-7122
Technetium-99		0	pCi/L	0		RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L			SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L			SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1-Dichloroethane	U	0.005	mg/L			SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L			SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L			SW846-8260

## MW223

## C746SG97-04

## C-746S&amp;T Groundwater Monitoring 3rd Quarter FY97

1,2-Dibromoethane	U	0.005	mg/L	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	SW846-8260
2-Butanone	U	0.005	mg/L	SW846-8260
2-Chloroethyl vinyl ether	U	0.005	mg/L	SW846-8260
2-Hexanone	U	0.005	mg/L	SW846-8260
4-Methyl-2-pentanone	U	0.005	mg/L	SW846-8260
Acetone	U	0.005	mg/L	SW846-8260
Acrolein	U	0.005	mg/L	SW846-8030
Acrylonitrile	U	0.005	mg/L	SW846-8030
Benzene	U	0.005	mg/L	SW846-8260
Bromochloromethane	U	0.005	mg/L	SW846-8260
Bromodichloromethane	U	0.005	mg/L	SW846-8260
Bromoform	U	0.005	mg/L	SW846-8260
Bromomethane	U	0.005	mg/L	SW846-8260
Carbon disulfide	U	0.005	mg/L	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	SW846-8260
Chlorobenzene	U	0.005	mg/L	SW846-8260
Chloroethane	U	0.005	mg/L	SW846-8260
Chloromethane	U	0.005	mg/L	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Dibromochloromethane	U	0.005	mg/L	SW846-8260
Dibromomethane	U	0.005	mg/L	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	SW846-8260
Ethanol	U	0.25	mg/L	SW846-8015
Ethyl methacrylate	U	0.005	mg/L	SW846-8260
Ethylbenzene	U	0.005	mg/L	SW846-8260
Iodomethane	U	0.005	mg/L	SW846-8260
Methylene chloride	U	0.01	mg/L	SW846-8260
Styrene	U	0.005	mg/L	SW846-8260
Tetrachloroethene	U	0.005	mg/L	SW846-8260
Toluene	U	0.005	mg/L	SW846-8260
Total Xylene	U	0.005	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L	SW846-8260
Trichloroethene		0.001	mg/L	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L	SW846-8260
Vinyl acetate	U	0.005	mg/L	SW846-8260
Vinyl chloride	U	0.002	mg/L	SW846-8260

**MW224**

**C746SG97-04**

**C-746S&T Groundwater Monitoring 3rd Quarter FY97**

**5247-97**

Collected: 4/8/1997

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		48.6	mg/L			IN7120
Nitrate as Nitrogen		1.8	mg/L			IN7120
Total Organic Carbon (TOC)	UN	1	mg/L			ST7480
Total Organic Halides (TOX)	U	0.025	mg/L			SW846-9020
<b>Field P</b>						
Depth to Water		62.24	ft			
Dissolved Oxygen		4.25	mg/L			
pH		6.1	Std Unit			
Specific Conductivity (PIP)		383	umho/cm			
Temperature		61	deg F			
<b>METAL</b>						
Barium		0.242	mg/L			SW846-6010
Beryllium	U	0.025	mg/L			SW846-6010
Cadmium	BNU	0.005	mg/L			SW846-7131
Chromium	U	0.05	mg/L			SW846-6010
Cobalt	U	0.1	mg/L			SW846-6010
Copper	U	0.1	mg/L			SW846-6010
Iron	U	0.3	mg/L			SW846-6010
Mercury	NU	0.0002	mg/L			SW846-7470
Nickel	U	0.1	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	U	0.05	mg/L			SW846-6010
Sodium	N	35.4	mg/L			SW846-6010
Thallium	U	0.4	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Vanadium	U	0.25	mg/L			SW846-6010
Zinc	NU	0.25	mg/L			SW846-6010
<b>METAL-D</b>						
Barium		0.221	mg/L			SW846-6010
<b>PHYSC</b>						
Chemical Oxygen Demand (COD)	<	25	mg/L			IN7430
Dissolved Solids		227	mg/L			IN7475
Turbidity	<X	0.5	NTU			IN7490
<b>RADS</b>						
Alpha activity		1.6	pCi/L	0.6		RL-7122
Beta activity		1	pCi/L	0		RL-7122
Technetium-99		0	pCi/L	0		RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L			SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L			SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1-Dichloroethane	U	0.005	mg/L			SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L			SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L			SW846-8260
1,2-Dibromoethane	U	0.005	mg/L			SW846-8260

**MW224****C746SG97-04****C-746S&T Groundwater Monitoring 3rd Quarter FY97**

1,2-Dichloroethane	U	0.005	mg/L	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	SW846-8260
2-Butanone	U	0.005	mg/L	SW846-8260
2-Chloroethyl vinyl ether	U	0.005	mg/L	SW846-8260
2-Hexanone	U	0.005	mg/L	SW846-8260
4-Methyl-2-pentanone	U	0.005	mg/L	SW846-8260
Acetone	U	0.005	mg/L	SW846-8260
Acrolein	U	0.005	mg/L	SW846-8030
Acrylonitrile	U	0.005	mg/L	SW846-8030
Benzene	U	0.005	mg/L	SW846-8260
Bromochloromethane	U	0.005	mg/L	SW846-8260
Bromodichloromethane	U	0.005	mg/L	SW846-8260
Bromoform	U	0.005	mg/L	SW846-8260
Bromomethane	U	0.005	mg/L	SW846-8260
Carbon disulfide	U	0.005	mg/L	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	SW846-8260
Chlorobenzene	U	0.005	mg/L	SW846-8260
Chloroethane	U	0.005	mg/L	SW846-8260
Chloromethane	U	0.005	mg/L	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Dibromochloromethane	U	0.005	mg/L	SW846-8260
Dibromomethane	U	0.005	mg/L	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	SW846-8260
Ethanol	U	0.25	mg/L	SW846-8015
Ethyl methacrylate	U	0.005	mg/L	SW846-8260
Ethylbenzene	U	0.005	mg/L	SW846-8260
Iodomethane	U	0.005	mg/L	SW846-8260
Methylene chloride	U	0.01	mg/L	SW846-8260
Styrene	U	0.005	mg/L	SW846-8260
Tetrachloroethene	U	0.005	mg/L	SW846-8260
Toluene	U	0.005	mg/L	SW846-8260
Total Xylene	U	0.005	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L	SW846-8260
Trichloroethene		0.006	mg/L	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L	SW846-8260
Vinyl acetate	U	0.005	mg/L	SW846-8260
Vinyl chloride	U	0.002	mg/L	SW846-8260

**MW263**

**C746SG97-04**

**C-746S&T Groundwater Monitoring 3rd Quarter FY97**

**5250-97**

Collected: 4/7/1997

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		36.6	mg/L			IN7120
Nitrate as Nitrogen	U	1	mg/L			IN7120
Total Organic Carbon (TOC)	N	1	mg/L			ST7480
Total Organic Halides (TOX)	U	0.025	mg/L			SW846-9020
<b>Field P</b>						
Depth to Water		26.25	ft			
Dissolved Oxygen		1.27	mg/L			
pH		6	Std Unit			
Specific Conductivity (PIP)		558	umho/cm			
Temperature		60	deg F			
<b>METAL</b>						
Barium		0.062	mg/L			SW846-6010
Beryllium	U	0.025	mg/L			SW846-6010
Cadmium	BNU	0.005	mg/L			SW846-7131
Chromium		0.134	mg/L			SW846-6010
Cobalt	U	0.1	mg/L			SW846-6010
Copper	U	0.1	mg/L			SW846-6010
Iron		0.593	mg/L			SW846-6010
Mercury	NU	0.0002	mg/L			SW846-7470
Nickel	U	0.1	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	U	0.05	mg/L			SW846-6010
Sodium	N	44.4	mg/L			SW846-6010
Thallium	U	0.4	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Vanadium	U	0.25	mg/L			SW846-6010
Zinc	NU	0.25	mg/L			SW846-6010
<b>METAL-D</b>						
Barium		0.057	mg/L			SW846-6010
Chromium	U	0.05	mg/L			SW846-6010
<b>PHYSC</b>						
Chemical Oxygen Demand (COD)	<	25	mg/L			IN7430
Dissolved Solids		326	mg/L			IN7475
Turbidity	*	2.8	NTU			IN7490
<b>RADS</b>						
Alpha activity		-1.4	pCi/L	-0.6		RL-7122
Beta activity		35	pCi/L	4		RL-7122
Technetium-99		21	pCi/L	13		RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L			SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L			SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1-Dichloroethane	U	0.005	mg/L			SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L			SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L			SW846-8260

## MW263

## C746SG97-04

## C-746S&amp;T Groundwater Monitoring 3rd Quarter FY97

1,2-Dibromoethane	U	0.005	mg/L	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	SW846-8260
2-Butanone	U	0.005	mg/L	SW846-8260
2-Chloroethyl vinyl ether	U	0.005	mg/L	SW846-8260
2-Hexanone	U	0.005	mg/L	SW846-8260
4-Methyl-2-pentanone	U	0.005	mg/L	SW846-8260
Acetone	U	0.005	mg/L	SW846-8260
Acrolein	U	0.005	mg/L	SW846-8030
Acrylonitrile	U	0.005	mg/L	SW846-8030
Benzene	U	0.005	mg/L	SW846-8260
Bromochloromethane	U	0.005	mg/L	SW846-8260
Bromodichloromethane	U	0.005	mg/L	SW846-8260
Bromoform	U	0.005	mg/L	SW846-8260
Bromomethane	U	0.005	mg/L	SW846-8260
Carbon disulfide	U	0.005	mg/L	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	SW846-8260
Chlorobenzene	U	0.005	mg/L	SW846-8260
Chloroethane	U	0.005	mg/L	SW846-8260
Chloromethane	U	0.005	mg/L	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Dibromochloromethane	U	0.005	mg/L	SW846-8260
Dibromomethane	U	0.005	mg/L	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	SW846-8260
Ethanol	U	0.25	mg/L	SW846-8015
Ethyl methacrylate	U	0.005	mg/L	SW846-8260
Ethylbenzene	U	0.005	mg/L	SW846-8260
Iodomethane	U	0.005	mg/L	SW846-8260
Methylene chloride	U	0.01	mg/L	SW846-8260
Styrene	U	0.005	mg/L	SW846-8260
Tetrachloroethene	U	0.005	mg/L	SW846-8260
Toluene	U	0.005	mg/L	SW846-8260
Total Xylene	U	0.005	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L	SW846-8260
Trichloroethene		0.007	mg/L	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L	SW846-8260
Vinyl acetate	U	0.005	mg/L	SW846-8260
Vinyl chloride	U	0.002	mg/L	SW846-8260



## MW264

## C746SG97-04

## C-746S&amp;T Groundwater Monitoring 3rd Quarter FY97

## 5251-97

Collected: 4/7/1997

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		52.2	mg/L			IN7120
Nitrate as Nitrogen	U	1	mg/L			IN7120
Total Organic Carbon (TOC)	N	1	mg/L			ST7480
Total Organic Halides (TOX)	U	0.025	mg/L			SW846-9020
<b>Field P</b>						
Depth to Water		31.8	ft			
Dissolved Oxygen		1.13	mg/L			
pH		6.1	Std Unit			
Specific Conductivity (PIP)		532	umho/cm			
Temperature		59	deg F			
<b>METAL</b>						
Barium		0.154	mg/L			SW846-6010
Beryllium	U	0.025	mg/L			SW846-6010
Cadmium	BNU	0.005	mg/L			SW846-7131
Chromium	U	0.05	mg/L			SW846-6010
Cobalt	U	0.1	mg/L			SW846-6010
Copper	U	0.1	mg/L			SW846-6010
Iron		0.733	mg/L			SW846-6010
Mercury	NU	0.0002	mg/L			SW846-7470
Nickel	U	0.1	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	U	0.05	mg/L			SW846-6010
Sodium	N	46.2	mg/L			SW846-6010
Thallium	U	0.4	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Vanadium	U	0.25	mg/L			SW846-6010
Zinc	NU	0.25	mg/L			SW846-6010
<b>METAL-D</b>						
Barium		0.134	mg/L			SW846-6010
<b>PHYSC</b>						
Chemical Oxygen Demand (COD)	<	25	mg/L			IN7430
Dissolved Solids		289	mg/L			IN7475
Turbidity	*	4.8	NTU			IN7490
<b>RADS</b>						
Alpha activity		-0.5	pCi/L	-0.3		RL-7122
Beta activity		13	pCi/L	2		RL-7122
Technetium-99		7	pCi/L	12		RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L			SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L			SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1-Dichloroethane	U	0.005	mg/L			SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L			SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L			SW846-8260
1,2-Dibromoethane	U	0.005	mg/L			SW846-8260

## MW264

## C746SG97-04

## C-746S&amp;T Groundwater Monitoring 3rd Quarter FY97

1,2-Dichloroethane	U	0.005	mg/L	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	SW846-8260
2-Butanone	U	0.005	mg/L	SW846-8260
2-Chloroethyl vinyl ether	U	0.005	mg/L	SW846-8260
2-Hexanone	U	0.005	mg/L	SW846-8260
4-Methyl-2-pentanone	U	0.005	mg/L	SW846-8260
Acetone	U	0.005	mg/L	SW846-8260
Acrolein	U	0.005	mg/L	SW846-8030
Acrylonitrile	U	0.005	mg/L	SW846-8030
Benzene	U	0.005	mg/L	SW846-8260
Bromochloromethane	U	0.005	mg/L	SW846-8260
Bromodichloromethane	U	0.005	mg/L	SW846-8260
Bromoform	U	0.005	mg/L	SW846-8260
Bromomethane	U	0.005	mg/L	SW846-8260
Carbon disulfide	U	0.005	mg/L	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	SW846-8260
Chlorobenzene	U	0.005	mg/L	SW846-8260
Chloroethane	U	0.005	mg/L	SW846-8260
Chloromethane	U	0.005	mg/L	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Dibromochloromethane	U	0.005	mg/L	SW846-8260
Dibromomethane	U	0.005	mg/L	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	SW846-8260
Ethanol	U	0.25	mg/L	SW846-8015
Ethyl methacrylate	U	0.005	mg/L	SW846-8260
Ethylbenzene	U	0.005	mg/L	SW846-8260
Iodomethane	U	0.005	mg/L	SW846-8260
Methylene chloride	U	0.01	mg/L	SW846-8260
Styrene	U	0.005	mg/L	SW846-8260
Tetrachloroethene	U	0.005	mg/L	SW846-8260
Toluene	U	0.005	mg/L	SW846-8260
Total Xylene	U	0.005	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L	SW846-8260
Trichloroethene		0.002	mg/L	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L	SW846-8260
Vinyl acetate	U	0.005	mg/L	SW846-8260
Vinyl chloride	U	0.002	mg/L	SW846-8260

MW265

C746SG97-04

C-746S&T Groundwater Monitoring 3rd Quarter FY97

5252-97

Collected: 4/8/1997

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		35.7	mg/L			IN7120
Nitrate as Nitrogen	U	1	mg/L			IN7120
Total Organic Carbon (TOC)	UN	1	mg/L			ST7480
Total Organic Halides (TOX)	U	0.025	mg/L			SW846-9020
<b>Field P</b>						
Depth to Water		35.5	ft			
Dissolved Oxygen		2.31	mg/L			
pH		6.1	Std Unit			
Specific Conductivity (PIP)		371	umho/cm			
Temperature		59	deg F			
<b>METAL</b>						
Barium		0.229	mg/L			SW846-6010
Beryllium	U	0.025	mg/L			SW846-6010
Cadmium	BNU	0.005	mg/L			SW846-7131
Chromium		0.572	mg/L			SW846-6010
Cobalt	U	0.1	mg/L			SW846-6010
Copper	U	0.1	mg/L			SW846-6010
Iron		3.07	mg/L			SW846-6010
Mercury	NU	0.0002	mg/L			SW846-7470
Nickel	U	0.1	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	U	0.05	mg/L			SW846-6010
Sodium	N	39.9	mg/L			SW846-6010
Thallium	U	0.4	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Vanadium	U	0.25	mg/L			SW846-6010
Zinc	U	0.25	mg/L			SW846-6010
<b>METAL-D</b>						
Barium		0.194	mg/L			SW846-6010
Chromium	U	0.05	mg/L			SW846-6010
<b>PHYSC</b>						
Chemical Oxygen Demand (COD)	<	25	mg/L			IN7430
Dissolved Solids		207	mg/L			IN7475
Turbidity	X	6.9	NTU			IN7490
<b>RADS</b>						
Alpha activity		-1	pCi/L	-0.5		RL-7122
Beta activity		6	pCi/L	1		RL-7122
Technetium-99		0	pCi/L	0		RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L			SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L			SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1-Dichloroethane	U	0.005	mg/L			SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L			SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L			SW846-8260

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## C746SG97-04

## C-746S&amp;T Groundwater Monitoring 3rd Quarter FY97

1,2-Dibromoethane	U	0.005	mg/L	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	SW846-8260
2-Butanone	U	0.005	mg/L	SW846-8260
2-Chloroethyl vinyl ether	U	0.005	mg/L	SW846-8260
2-Hexanone	U	0.005	mg/L	SW846-8260
4-Methyl-2-pentanone	U	0.005	mg/L	SW846-8260
Acetone	U	0.005	mg/L	SW846-8260
Acrolein	U	0.005	mg/L	SW846-8030
Acrylonitrile	U	0.005	mg/L	SW846-8030
Benzene	U	0.005	mg/L	SW846-8260
Bromochloromethane	U	0.005	mg/L	SW846-8260
Bromodichloromethane	U	0.005	mg/L	SW846-8260
Bromoform	U	0.005	mg/L	SW846-8260
Bromomethane	U	0.005	mg/L	SW846-8260
Carbon disulfide	U	0.005	mg/L	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	SW846-8260
Chlorobenzene	U	0.005	mg/L	SW846-8260
Chloroethane	U	0.005	mg/L	SW846-8260
Chloromethane	U	0.005	mg/L	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Dibromochloromethane	U	0.005	mg/L	SW846-8260
Dibromomethane	U	0.005	mg/L	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	SW846-8260
Ethanol	U	0.25	mg/L	SW846-8015
Ethyl methacrylate	U	0.005	mg/L	SW846-8260
Ethylbenzene	U	0.005	mg/L	SW846-8260
Iodomethane	U	0.005	mg/L	SW846-8260
Methylene chloride	U	0.01	mg/L	SW846-8260
Styrene	U	0.005	mg/L	SW846-8260
Tetrachloroethene	U	0.005	mg/L	SW846-8260
Toluene	U	0.005	mg/L	SW846-8260
Total Xylene	U	0.005	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L	SW846-8260
Trichloroethene		0.001	mg/L	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L	SW846-8260
Vinyl acetate	U	0.005	mg/L	SW846-8260
Vinyl chloride	U	0.002	mg/L	SW846-8260

MW266

C746SG97-04

C-746S&T Groundwater Monitoring 3rd Quarter FY97

5253-97

Collected: 4/4/1997

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		48.2	mg/L			IN7120
Nitrate as Nitrogen		1.5	mg/L			IN7120
Total Organic Carbon (TOC)	N	1	mg/L			ST7480
Total Organic Halides (TOX)	U	0.025	mg/L			SW846-9020
<b>Field P</b>						
Depth to Water		31.22	ft			
Dissolved Oxygen		0.32	mg/L			
pH		6	Std Unit			
Specific Conductivity (PIP)		469	umho/cm			
Temperature		59	deg F			
<b>METAL</b>						
Barium		0.077	mg/L			SW846-6010
Beryllium	U	0.025	mg/L			SW846-6010
Cadmium	BNU	0.005	mg/L			SW846-7131
Chromium		1.22	mg/L			SW846-6010
Cobalt	U	0.1	mg/L			SW846-6010
Copper	U	0.1	mg/L			SW846-6010
Iron		8.2	mg/L			SW846-6010
Mercury	NU	0.0002	mg/L			SW846-7470
Nickel		0.146	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	U	0.05	mg/L			SW846-6010
Sodium	N	35.1	mg/L			SW846-6010
Thallium	U	0.4	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Vanadium	U	0.25	mg/L			SW846-6010
Zinc	NU	0.25	mg/L			SW846-6010
<b>METAL-D</b>						
Barium		0.062	mg/L			SW846-6010
Chromium	U	0.05	mg/L			SW846-6010
<b>PHYSC</b>						
Chemical Oxygen Demand (COD)	<	25	mg/L			IN7430
Dissolved Solids		247	mg/L			IN7475
Turbidity	*	55	NTU			IN7490
<b>RADS</b>						
Alpha activity		0.5	pCi/L	0.2		RL-7122
Beta activity		10	pCi/L	2		RL-7122
Technetium-99		0	pCi/L	0		RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L			SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L			SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1-Dichloroethane	U	0.005	mg/L			SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L			SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L			SW846-8260

## MW266

## C746SG97-04

## C-746S&amp;T Groundwater Monitoring 3rd Quarter FY97

1,2-Dibromoethane	U	0.005	mg/L	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	SW846-8260
2-Butanone	U	0.005	mg/L	SW846-8260
2-Chloroethyl vinyl ether	U	0.005	mg/L	SW846-8260
2-Hexanone	U	0.005	mg/L	SW846-8260
4-Methyl-2-pentanone	U	0.005	mg/L	SW846-8260
Acetone	U	0.005	mg/L	SW846-8260
Acrolein	U	0.005	mg/L	SW846-8030
Acrylonitrile	U	0.005	mg/L	SW846-8030
Benzene	U	0.005	mg/L	SW846-8260
Bromochloromethane	U	0.005	mg/L	SW846-8260
Bromodichloromethane	U	0.005	mg/L	SW846-8260
Bromoform	U	0.005	mg/L	SW846-8260
Bromomethane	U	0.005	mg/L	SW846-8260
Carbon disulfide	U	0.005	mg/L	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	SW846-8260
Chlorobenzene	U	0.005	mg/L	SW846-8260
Chloroethane	U	0.005	mg/L	SW846-8260
Chloromethane	U	0.005	mg/L	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Dibromochloromethane	U	0.005	mg/L	SW846-8260
Dibromomethane	U	0.005	mg/L	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	SW846-8260
Ethanol	U	0.25	mg/L	SW846-8015
Ethyl methacrylate	U	0.005	mg/L	SW846-8260
Ethylbenzene	U	0.005	mg/L	SW846-8260
Iodomethane	U	0.005	mg/L	SW846-8260
Methylene chloride	U	0.01	mg/L	SW846-8260
Styrene	U	0.005	mg/L	SW846-8260
Tetrachloroethene	U	0.005	mg/L	SW846-8260
Toluene	U	0.005	mg/L	SW846-8260
Total Xylene	U	0.005	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L	SW846-8260
Trichloroethene		0.002	mg/L	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L	SW846-8260
Vinyl acetate	U	0.005	mg/L	SW846-8260
Vinyl chloride	U	0.002	mg/L	SW846-8260

MW267

C746SG97-04

## C-746S&amp;T Groundwater Monitoring 3rd Quarter FY97

5254-97

Collected: 4/8/1997

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		48.6	mg/L			IN7120
Nitrate as Nitrogen		2.9	mg/L			IN7120
Total Organic Carbon (TOC)	N	1	mg/L			ST7480
Total Organic Halides (TOX)	U	0.025	mg/L			SW846-9020
<b>Field P</b>						
Depth to Water		47.35	ft			
Dissolved Oxygen		2.75	mg/L			
pH		5.9	Std Unit			
Specific Conductivity (PIP)		399	umho/cm			
Temperature		59	deg F			
<b>METAL</b>						
Barium		0.202	mg/L			SW846-6010
Beryllium	U	0.025	mg/L			SW846-6010
Cadmium	BNU	0.005	mg/L			SW846-7131
Chromium		0.237	mg/L			SW846-6010
Cobalt	U	0.1	mg/L			SW846-6010
Copper	U	0.1	mg/L			SW846-6010
Iron		1.6	mg/L			SW846-6010
Mercury	NU	0.0002	mg/L			SW846-7470
Nickel	U	0.1	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	U	0.05	mg/L			SW846-6010
Sodium	N	40.4	mg/L			SW846-6010
Thallium	U	0.4	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Vanadium	U	0.25	mg/L			SW846-6010
Zinc	NU	0.25	mg/L			SW846-6010
<b>METAL-D</b>						
Barium		0.179	mg/L			SW846-6010
Chromium	U	0.05	mg/L			SW846-6010
<b>PHYSC</b>						
Chemical Oxygen Demand (COD)	<	25	mg/L			IN7430
Dissolved Solids		203	mg/L			IN7475
Turbidity	X	6.7	NTU			IN7490
<b>RADS</b>						
Alpha activity		-0.9	pCi/L	-0.4		RL-7122
Beta activity		23	pCi/L	3		RL-7122
Technetium-99		3	pCi/L	12		RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L			SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L			SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1-Dichloroethane	U	0.005	mg/L			SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L			SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L			SW846-8260

## MW267

## C746SG97-04

## C-746S&amp;T Groundwater Monitoring 3rd Quarter FY97

1,2-Dibromoethane	U	0.005	mg/L	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	SW846-8260
2-Butanone	U	0.005	mg/L	SW846-8260
2-Chloroethyl vinyl ether	U	0.005	mg/L	SW846-8260
2-Hexanone	U	0.005	mg/L	SW846-8260
4-Methyl-2-pentanone	U	0.005	mg/L	SW846-8260
Acetone	U	0.005	mg/L	SW846-8260
Acrolein	U	0.005	mg/L	SW846-8030
Acrylonitrile	U	0.005	mg/L	SW846-8030
Benzene	U	0.005	mg/L	SW846-8260
Bromochloromethane	U	0.005	mg/L	SW846-8260
Bromodichloromethane	U	0.005	mg/L	SW846-8260
Bromoform	U	0.005	mg/L	SW846-8260
Bromomethane	U	0.005	mg/L	SW846-8260
Carbon disulfide	U	0.005	mg/L	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	SW846-8260
Chlorobenzene	U	0.005	mg/L	SW846-8260
Chloroethane	U	0.005	mg/L	SW846-8260
Chloromethane	U	0.005	mg/L	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Dibromochloromethane	U	0.005	mg/L	SW846-8260
Dibromomethane	U	0.005	mg/L	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	SW846-8260
Ethanol	U	0.25	mg/L	SW846-8015
Ethyl methacrylate	U	0.005	mg/L	SW846-8260
Ethylbenzene	U	0.005	mg/L	SW846-8260
Iodomethane	U	0.005	mg/L	SW846-8260
Methylene chloride	U	0.01	mg/L	SW846-8260
Styrene	U	0.005	mg/L	SW846-8260
Tetrachloroethene	U	0.005	mg/L	SW846-8260
Toluene	U	0.005	mg/L	SW846-8260
Total Xylene	U	0.005	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L	SW846-8260
Trichloroethene	U	0.001	mg/L	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L	SW846-8260
Vinyl acetate	U	0.005	mg/L	SW846-8260
Vinyl chloride	U	0.002	mg/L	SW846-8260



MW179

C746SG97-05

C-746S&T Groundwater Monitoring 4th Quarter FY97

5482-97

Collected: 7/8/1997

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		35.8	mg/L			IN7120
Nitrate as Nitrogen	U	1	mg/L			IN7120
Total Organic Carbon (TOC)	U	1	mg/L			ST7480
Total Organic Halides (TOX)	U	0.025	mg/L			SW846-9020
<b>Field P</b>						
Depth to Water		27.92	ft			
Dissolved Oxygen		4.89	mg/L			
pH		6	Std Unit			
Specific Conductivity (PIP)		497	umho/cm			
Temperature		66.9	deg F			
<b>METAL</b>						
Barium	U	0.05	mg/L			SW846-6010
Beryllium	U	0.025	mg/L			SW846-6010
Cadmium	U	0.005	mg/L			SW846-7131
Chromium	NU	0.05	mg/L			SW846-6010
Cobalt	U	0.1	mg/L			SW846-6010
Copper	U	0.1	mg/L			SW846-6010
Iron	N	0.423	mg/L			SW846-6010
Mercury	NU	0.0002	mg/L			SW846-7470
Nickel	U	0.1	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	U	0.05	mg/L			SW846-6010
Sodium	N	35	mg/L			SW846-6010
Thallium	U	0.4	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Vanadium	U	0.25	mg/L			SW846-6010
Zinc	U	0.25	mg/L			SW846-6010
<b>PHYSC</b>						
Chemical Oxygen Demand (COD)	<	25	mg/L			IN7430
Dissolved Solids		301	mg/L			IN7475
Turbidity		4.2	NTU			IN7490
<b>RADS</b>						
Alpha activity		-0.2	pCi/L	-0.1		RL-7122
Beta activity		6	pCi/L	1		RL-7122
Technetium-99		0	pCi/L	0		RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L			SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L			SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1-Dichloroethane	U	0.005	mg/L			SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L			SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L			SW846-8260
1,2-Dibromoethane	U	0.005	mg/L			SW846-8260
1,2-Dichloroethane	U	0.005	mg/L			SW846-8260
1,2-Dichloropropane	U	0.005	mg/L			SW846-8260

## MW179

## C746SG97-05

## C-746S&amp;T Groundwater Monitoring 4th Quarter FY97

2-Butanone	U	0.005	mg/L	SW846-8260
2-Chloroethyl vinyl ether	U	0.005	mg/L	SW846-8260
2-Hexanone	U	0.005	mg/L	SW846-8260
4-Methyl-2-pentanone	U	0.005	mg/L	SW846-8260
Acetone	U	0.005	mg/L	SW846-8260
Acrolein	U	0.005	mg/L	SW846-8260
Acrylonitrile	U	0.005	mg/L	SW846-8260
Benzene	U	0.005	mg/L	SW846-8260
Bromochloromethane	U	0.005	mg/L	SW846-8260
Bromodichloromethane	U	0.005	mg/L	SW846-8260
Bromoform	U	0.005	mg/L	SW846-8260
Bromomethane	U	0.005	mg/L	SW846-8260
Carbon disulfide	U	0.005	mg/L	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	SW846-8260
Chlorobenzene	U	0.005	mg/L	SW846-8260
Chloroethane	U	0.005	mg/L	SW846-8260
Chloromethane	U	0.005	mg/L	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Dibromochloromethane	U	0.005	mg/L	SW846-8260
Dibromomethane	U	0.005	mg/L	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	SW846-8260
Ethanol	U	0.25	mg/L	SW846-8015
Ethyl methacrylate	U	0.005	mg/L	SW846-8260
Ethylbenzene	U	0.005	mg/L	SW846-8260
Iodomethane	U	0.005	mg/L	SW846-8260
Methylene chloride	U	0.01	mg/L	SW846-8260
Styrene	U	0.005	mg/L	SW846-8260
Tetrachloroethene	U	0.005	mg/L	SW846-8260
Toluene	U	0.005	mg/L	SW846-8260
Total Xylene	U	0.005	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L	SW846-8260
Trichloroethene		0.005	mg/L	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L	SW846-8260
Vinyl acetate	U	0.005	mg/L	SW846-8260
Vinyl chloride	U	0.002	mg/L	SW846-8260

MW181

C746SG97-05

C-746S&T Groundwater Monitoring 4th Quarter FY97

5483-97

Collected: 7/8/1997

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		50.7	mg/L			IN7120
Nitrate as Nitrogen		1.2	mg/L			IN7120
Total Organic Carbon (TOC)	U	1	mg/L			ST7480
Total Organic Halides (TOX)	U	0.025	mg/L			SW846-9020
<b>Field P</b>						
Depth to Water		39.85	ft			
Dissolved Oxygen		4.68	mg/L			
pH		5.8	Std Unit			
Specific Conductivity (PIP)		522	umho/cm			
Temperature		65.9	deg F			
<b>METAL</b>						
Barium		0.168	mg/L			SW846-6010
Beryllium	U	0.025	mg/L			SW846-6010
Cadmium	U	0.005	mg/L			SW846-7131
Chromium	N	1.64	mg/L			SW846-6010
Cobalt	U	0.1	mg/L			SW846-6010
Copper	U	0.1	mg/L			SW846-6010
Iron	N	6.05	mg/L			SW846-6010
Mercury	NU	0.0002	mg/L			SW846-7470
Nickel		0.848	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	U	0.05	mg/L			SW846-6010
Sodium	N	52	mg/L			SW846-6010
Thallium	U	0.4	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Vanadium	U	0.25	mg/L			SW846-6010
Zinc	U	0.25	mg/L			SW846-6010
<b>METAL-D</b>						
Barium		0.138	mg/L			SW846-6010
Chromium	U	0.05	mg/L			SW846-6010
<b>PHYSC</b>						
Chemical Oxygen Demand (COD)	<	25	mg/L			IN7430
Dissolved Solids		286	mg/L			IN7475
Turbidity		45	NTU			IN7490
<b>RADS</b>						
Alpha activity		1.2	pCi/L	0.6		RL-7122
Beta activity		22	pCi/L	3		RL-7122
Technetium-99		22	pCi/L	12		RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L			SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L			SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1-Dichloroethane	U	0.005	mg/L			SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L			SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L			SW846-8260

## MW181

## C746SG97-05

## C-746S&amp;T Groundwater Monitoring 4th Quarter FY97

1,2-Dibromoethane	U	0.005	mg/L	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	SW846-8260
2-Butanone	U	0.005	mg/L	SW846-8260
2-Chloroethyl vinyl ether	U	0.005	mg/L	SW846-8260
2-Hexanone	U	0.005	mg/L	SW846-8260
4-Methyl-2-pentanone	U	0.005	mg/L	SW846-8260
Acetone	U	0.005	mg/L	SW846-8260
Acrolein	U	0.005	mg/L	SW846-8260
Acrylonitrile	U	0.005	mg/L	SW846-8260
Benzene	U	0.005	mg/L	SW846-8260
Bromochloromethane	U	0.005	mg/L	SW846-8260
Bromodichloromethane	U	0.005	mg/L	SW846-8260
Bromoform	U	0.005	mg/L	SW846-8260
Bromomethane	U	0.005	mg/L	SW846-8260
Carbon disulfide	U	0.005	mg/L	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	SW846-8260
Chlorobenzene	U	0.005	mg/L	SW846-8260
Chloroethane	U	0.005	mg/L	SW846-8260
Chloromethane	U	0.005	mg/L	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Dibromochloromethane	U	0.005	mg/L	SW846-8260
Dibromomethane	U	0.005	mg/L	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	SW846-8260
Ethanol	U	0.25	mg/L	SW846-8015
Ethyl methacrylate	U	0.005	mg/L	SW846-8260
Ethylbenzene	U	0.005	mg/L	SW846-8260
Iodomethane	U	0.005	mg/L	SW846-8260
Methylene chloride	U	0.01	mg/L	SW846-8260
Styrene	U	0.005	mg/L	SW846-8260
Tetrachloroethene	U	0.005	mg/L	SW846-8260
Toluene	U	0.005	mg/L	SW846-8260
Total Xylene	U	0.005	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L	SW846-8260
Trichloroethene	U	0.001	mg/L	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L	SW846-8260
Vinyl acetate	U	0.005	mg/L	SW846-8260
Vinyl chloride	U	0.002	mg/L	SW846-8260

MW181

C746SG97-05

C-746S&T Groundwater Monitoring 4th Quarter FY97

5484-97

Collected: 7/8/1997

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		53.5	mg/L			IN7120
Nitrate as Nitrogen		1.3	mg/L			IN7120
Total Organic Carbon (TOC)		1	mg/L			ST7480
Total Organic Halides (TOX)	U	0.025	mg/L			SW846-9020
<b>Field P</b>						
Depth to Water		39.85	ft			
Dissolved Oxygen		4.68	mg/L			
pH		5.8	Std Unit			
Specific Conductivity (PIP)		522	umho/cm			
Temperature		65.9	deg F			
<b>METAL</b>						
Barium		0.166	mg/L			SW846-6010
Beryllium	U	0.025	mg/L			SW846-6010
Cadmium	U	0.005	mg/L			SW846-7131
Chromium	N	1.05	mg/L			SW846-6010
Cobalt	U	0.1	mg/L			SW846-6010
Copper	U	0.1	mg/L			SW846-6010
Iron	N	3.62	mg/L			SW846-6010
Mercury	NU	0.0002	mg/L			SW846-7470
Nickel		0.807	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	U	0.05	mg/L			SW846-6010
Sodium	N	52.3	mg/L			SW846-6010
Thallium	U	0.4	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Vanadium	U	0.25	mg/L			SW846-6010
Zinc	U	0.25	mg/L			SW846-6010
<b>METAL-D</b>						
Barium		0.144	mg/L			SW846-6010
Chromium	U	0.05	mg/L			SW846-6010
<b>PHYSC</b>						
Chemical Oxygen Demand (COD)	<	25	mg/L			IN7430
Dissolved Solids		277	mg/L			IN7475
Turbidity		39	NTU			IN7490
<b>RADS</b>						
Alpha activity		3.1	pCi/L	1.3		RL-7122
Beta activity		28	pCi/L	3		RL-7122
Technetium-99		26	pCi/L	13		RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L			SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L			SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1-Dichloroethane	U	0.005	mg/L			SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L			SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L			SW846-8260

## MW181

## C746SG97-05

## C-746S&amp;T Groundwater Monitoring 4th Quarter FY97

1,2-Dibromoethane	U	0.005	mg/L	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	SW846-8260
2-Butanone	U	0.005	mg/L	SW846-8260
2-Chloroethyl vinyl ether	U	0.005	mg/L	SW846-8260
2-Hexanone	U	0.005	mg/L	SW846-8260
4-Methyl-2-pentanone	U	0.005	mg/L	SW846-8260
Acetone	U	0.005	mg/L	SW846-8260
Acrolein	U	0.005	mg/L	SW846-8260
Acrylonitrile	U	0.005	mg/L	SW846-8260
Benzene	U	0.005	mg/L	SW846-8260
Bromochloromethane	U	0.005	mg/L	SW846-8260
Bromodichloromethane	U	0.005	mg/L	SW846-8260
Bromoform	U	0.005	mg/L	SW846-8260
Bromomethane	U	0.005	mg/L	SW846-8260
Carbon disulfide	U	0.005	mg/L	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	SW846-8260
Chlorobenzene	U	0.005	mg/L	SW846-8260
Chloroethane	U	0.005	mg/L	SW846-8260
Chloromethane	U	0.005	mg/L	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Dibromochloromethane	U	0.005	mg/L	SW846-8260
Dibromomethane	U	0.005	mg/L	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	SW846-8260
Ethanol	U	0.25	mg/L	SW846-8015
Ethyl methacrylate	U	0.005	mg/L	SW846-8260
Ethylbenzene	U	0.005	mg/L	SW846-8260
Iodomethane	U	0.005	mg/L	SW846-8260
Methylene chloride	U	0.01	mg/L	SW846-8260
Styrene	U	0.005	mg/L	SW846-8260
Tetrachloroethene	U	0.005	mg/L	SW846-8260
Toluene	U	0.005	mg/L	SW846-8260
Total Xylene	U	0.005	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L	SW846-8260
Trichloroethene	U	0.001	mg/L	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L	SW846-8260
Vinyl acetate	U	0.005	mg/L	SW846-8260
Vinyl chloride	U	0.002	mg/L	SW846-8260

**MW220**

**C746SG97-05**

**C-746S&T Groundwater Monitoring 4th Quarter FY97**

**5486-97**

Collected: 7/8/1997

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		32.9	mg/L			IN7120
Nitrate as Nitrogen		1.6	mg/L			IN7120
Total Organic Carbon (TOC)	U	1	mg/L			ST7480
Total Organic Halides (TOX)	U	0.025	mg/L			SW846-9020
<b>Field P</b>						
Depth to Water		50.85	ft			
Dissolved Oxygen		4.66	mg/L			
pH		5.9	Std Unit			
Specific Conductivity (PIP)		348	umho/cm			
Temperature		68.1	deg F			
<b>METAL</b>						
Barium		0.181	mg/L			SW846-6010
Beryllium	U	0.025	mg/L			SW846-6010
Cadmium	U	0.005	mg/L			SW846-7131
Chromium	NU	0.05	mg/L			SW846-6010
Cobalt	U	0.1	mg/L			SW846-6010
Copper	U	0.1	mg/L			SW846-6010
Iron	NU	0.3	mg/L			SW846-6010
Mercury	NU	0.0002	mg/L			SW846-7470
Nickel		0.248	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	U	0.05	mg/L			SW846-6010
Sodium	N	35.7	mg/L			SW846-6010
Thallium	U	0.4	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Vanadium	U	0.25	mg/L			SW846-6010
Zinc	U	0.25	mg/L			SW846-6010
<b>METAL-D</b>						
Barium		0.161	mg/L			SW846-6010
<b>PHYSC</b>						
Chemical Oxygen Demand (COD)	<	25	mg/L			IN7430
Dissolved Solids		204	mg/L			IN7475
Turbidity		0.75	NTU			IN7490
<b>RADS</b>						
Alpha activity		-0.4	pCi/L	-0.2		RL-7122
Beta activity		11	pCi/L	2		RL-7122
Technetium-99		3	pCi/L	12		RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L			SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L			SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1-Dichloroethane	U	0.005	mg/L			SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L			SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L			SW846-8260
1,2-Dibromoethane	U	0.005	mg/L			SW846-8260

## MW220

## C746SG97-05

## C-746S&amp;T Groundwater Monitoring 4th Quarter FY97

1,2-Dichloroethane	U	0.005	mg/L	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	SW846-8260
2-Butanone	U	0.005	mg/L	SW846-8260
2-Chloroethyl vinyl ether	U	0.005	mg/L	SW846-8260
2-Hexanone	U	0.005	mg/L	SW846-8260
4-Methyl-2-pentanone	U	0.005	mg/L	SW846-8260
Acetone	U	0.005	mg/L	SW846-8260
Acrolein	U	0.005	mg/L	SW846-8260
Acrylonitrile	U	0.005	mg/L	SW846-8260
Benzene	U	0.005	mg/L	SW846-8260
Bromochloromethane	U	0.005	mg/L	SW846-8260
Bromodichloromethane	U	0.005	mg/L	SW846-8260
Bromoform	U	0.005	mg/L	SW846-8260
Bromomethane	U	0.005	mg/L	SW846-8260
Carbon disulfide	U	0.005	mg/L	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	SW846-8260
Chlorobenzene	U	0.005	mg/L	SW846-8260
Chloroethane	U	0.005	mg/L	SW846-8260
Chloromethane	U	0.005	mg/L	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Dibromochloromethane	U	0.005	mg/L	SW846-8260
Dibromomethane	U	0.005	mg/L	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	SW846-8260
Ethanol	U	0.25	mg/L	SW846-8015
Ethyl methacrylate	U	0.005	mg/L	SW846-8260
Ethylbenzene	U	0.005	mg/L	SW846-8260
Iodomethane	U	0.005	mg/L	SW846-8260
Methylene chloride	U	0.01	mg/L	SW846-8260
Styrene	U	0.005	mg/L	SW846-8260
Tetrachloroethene	U	0.005	mg/L	SW846-8260
Toluene	U	0.005	mg/L	SW846-8260
Total Xylene	U	0.005	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L	SW846-8260
Trichloroethene	U	0.001	mg/L	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L	SW846-8260
Vinyl acetate	U	0.005	mg/L	SW846-8260
Vinyl chloride	U	0.002	mg/L	SW846-8260



MW221

C746SG97-05

## C-746S&amp;T Groundwater Monitoring 4th Quarter FY97

5487-97

Collected: 7/8/1997

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		49.1	mg/L			IN7120
Nitrate as Nitrogen		1.4	mg/L			IN7120
Total Organic Carbon (TOC)	U	1	mg/L			ST7480
Total Organic Halides (TOX)	U	0.025	mg/L			SW846-9020
<b>Field P</b>						
Depth to Water		59.7	ft			
Dissolved Oxygen		3.56	mg/L			
pH		5.9	Std Unit			
Specific Conductivity (PIP)		417	umho/cm			
Temperature		65.2	deg F			
<b>METAL</b>						
Barium		0.236	mg/L			SW846-6010
Beryllium	U	0.025	mg/L			SW846-6010
Cadmium	U	0.005	mg/L			SW846-7131
Chromium	N	0.176	mg/L			SW846-6010
Cobalt	U	0.1	mg/L			SW846-6010
Copper	U	0.1	mg/L			SW846-6010
Iron	N	1.37	mg/L			SW846-6010
Mercury	NU	0.0002	mg/L			SW846-7470
Nickel	U	0.1	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	U	0.05	mg/L			SW846-6010
Sodium	N	41.4	mg/L			SW846-6010
Thallium	U	0.4	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Vanadium	U	0.25	mg/L			SW846-6010
Zinc	U	0.25	mg/L			SW846-6010
<b>METAL-D</b>						
Barium		0.211	mg/L			SW846-6010
Chromium	U	0.05	mg/L			SW846-6010
<b>PHYSC</b>						
Chemical Oxygen Demand (COD)	<	25	mg/L			IN7430
Dissolved Solids		236	mg/L			IN7475
Turbidity		6	NTU			IN7490
<b>RADS</b>						
Alpha activity		10.6	pCi/L	3.1		RL-7122
Beta activity		15	pCi/L	2		RL-7122
Technetium-99		0	pCi/L	0		RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L			SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L			SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1-Dichloroethane	U	0.005	mg/L			SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L			SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L			SW846-8260

## MW221

## C746SG97-05

## C-746S&amp;T Groundwater Monitoring 4th Quarter FY97

1,2-Dibromoethane	U	0.005	mg/L	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	SW846-8260
2-Butanone	U	0.005	mg/L	SW846-8260
2-Chloroethyl vinyl ether	U	0.005	mg/L	SW846-8260
2-Hexanone	U	0.005	mg/L	SW846-8260
4-Methyl-2-pentanone	U	0.005	mg/L	SW846-8260
Acetone	U	0.005	mg/L	SW846-8260
Acrolein	U	0.005	mg/L	SW846-8260
Acrylonitrile	U	0.005	mg/L	SW846-8260
Benzene	U	0.005	mg/L	SW846-8260
Bromochloromethane	U	0.005	mg/L	SW846-8260
Bromodichloromethane	U	0.005	mg/L	SW846-8260
Bromoform	U	0.005	mg/L	SW846-8260
Bromomethane	U	0.005	mg/L	SW846-8260
Carbon disulfide	U	0.005	mg/L	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	SW846-8260
Chlorobenzene	U	0.005	mg/L	SW846-8260
Chloroethane	U	0.005	mg/L	SW846-8260
Chloromethane	U	0.005	mg/L	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Dibromochloromethane	U	0.005	mg/L	SW846-8260
Dibromomethane	U	0.005	mg/L	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	SW846-8260
Ethanol	U	0.25	mg/L	SW846-8015
Ethyl methacrylate	U	0.005	mg/L	SW846-8260
Ethylbenzene	U	0.005	mg/L	SW846-8260
Iodomethane	U	0.005	mg/L	SW846-8260
Methylene chloride	U	0.01	mg/L	SW846-8260
Styrene	U	0.005	mg/L	SW846-8260
Tetrachloroethene	U	0.005	mg/L	SW846-8260
Toluene	U	0.005	mg/L	SW846-8260
Total Xylene	U	0.005	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L	SW846-8260
Trichloroethene		0.007	mg/L	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L	SW846-8260
Vinyl acetate	U	0.005	mg/L	SW846-8260
Vinyl chloride	U	0.002	mg/L	SW846-8260

MW222

C746SG97-05

C-746S&amp;T Groundwater Monitoring 4th Quarter FY97

5488-97

Collected: 7/9/1997

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		35.8	mg/L			IN7120
Nitrate as Nitrogen		1.1	mg/L			IN7120
Total Organic Carbon (TOC)	U	1	mg/L			ST7480
Total Organic Halides (TOX)	U	0.025	mg/L			SW846-9020
<b>Field P</b>						
Depth to Water		63.65	ft			
Dissolved Oxygen		7.08	mg/L			
pH		6.3	Std Unit			
Specific Conductivity (PIP)		420	umho/cm			
Temperature		64.4	deg F			
<b>METAL</b>						
Barium		0.307	mg/L			SW846-6010
Beryllium	U	0.025	mg/L			SW846-6010
Cadmium	U	0.005	mg/L			SW846-7131
Chromium	N	0.061	mg/L			SW846-6010
Cobalt	U	0.1	mg/L			SW846-6010
Copper	U	0.1	mg/L			SW846-6010
Iron	N	3.59	mg/L			SW846-6010
Mercury	NU	0.0002	mg/L			SW846-7470
Nickel		0.384	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	U	0.05	mg/L			SW846-6010
Sodium	N	53.3	mg/L			SW846-6010
Thallium	U	0.4	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Vanadium	U	0.25	mg/L			SW846-6010
Zinc	U	0.25	mg/L			SW846-6010
<b>METAL-D</b>						
Barium		0.266	mg/L			SW846-6010
Chromium	U	0.05	mg/L			SW846-6010
<b>PHYSC</b>						
Chemical Oxygen Demand (COD)	<	25	mg/L			IN7430
Dissolved Solids		261	mg/L			IN7475
Turbidity		46	NTU			IN7490
<b>RADS</b>						
Alpha activity		0.8	pCi/L	0.4		RL-7122
Beta activity		3	pCi/L	1		RL-7122
Technetium-99		0	pCi/L	0		RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L			SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L			SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1-Dichloroethane	U	0.005	mg/L			SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L			SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L			SW846-8260

## MW222

## C746SG97-05

## C-746S&amp;T Groundwater Monitoring 4th Quarter FY97

1,2-Dibromoethane	U	0.005	mg/L	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	SW846-8260
2-Butanone	U	0.005	mg/L	SW846-8260
2-Chloroethyl vinyl ether	U	0.005	mg/L	SW846-8260
2-Hexanone	U	0.005	mg/L	SW846-8260
4-Methyl-2-pentanone	U	0.005	mg/L	SW846-8260
Acetone	U	0.005	mg/L	SW846-8260
Acrolein	U	0.005	mg/L	SW846-8260
Acrylonitrile	U	0.005	mg/L	SW846-8260
Benzene	U	0.005	mg/L	SW846-8260
Bromochloromethane	U	0.005	mg/L	SW846-8260
Bromodichloromethane	U	0.005	mg/L	SW846-8260
Bromoform	U	0.005	mg/L	SW846-8260
Bromomethane	U	0.005	mg/L	SW846-8260
Carbon disulfide	U	0.005	mg/L	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	SW846-8260
Chlorobenzene	U	0.005	mg/L	SW846-8260
Chloroethane	U	0.005	mg/L	SW846-8260
Chloromethane	U	0.005	mg/L	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Dibromochloromethane	U	0.005	mg/L	SW846-8260
Dibromomethane	U	0.005	mg/L	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	SW846-8260
Ethanol	UJX	0.25	mg/L	SW846-8015
Ethyl methacrylate	U	0.005	mg/L	SW846-8260
Ethylbenzene	U	0.005	mg/L	SW846-8260
Iodomethane	U	0.005	mg/L	SW846-8260
Methylene chloride	U	0.01	mg/L	SW846-8260
Styrene	U	0.005	mg/L	SW846-8260
Tetrachloroethene	U	0.005	mg/L	SW846-8260
Toluene	U	0.005	mg/L	SW846-8260
Total Xylene	U	0.005	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L	SW846-8260
Trichloroethene	U	0.001	mg/L	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L	SW846-8260
Vinyl acetate	U	0.005	mg/L	SW846-8260
Vinyl chloride	U	0.002	mg/L	SW846-8260

**MW223**

**C746SG97-05**

**C-746S&T Groundwater Monitoring 4th Quarter FY97**

**5489-97**

Collected: 7/8/1997

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		45.7	mg/L			IN7120
Nitrate as Nitrogen		2	mg/L			IN7120
Total Organic Carbon (TOC)	U	1	mg/L			ST7480
Total Organic Halides (TOX)	U	0.025	mg/L			SW846-9020
<b>Field P</b>						
Depth to Water		63.39	ft			
Dissolved Oxygen		3.01	mg/L			
pH		6.12	Std Unit			
Specific Conductivity (PIP)		438	umho/cm			
Temperature		68	deg F			
<b>METAL</b>						
Barium		0.202	mg/L			SW846-6010
Beryllium	U	0.025	mg/L			SW846-6010
Cadmium	U	0.005	mg/L			SW846-7131
Chromium	NU	0.05	mg/L			SW846-6010
Cobalt	U	0.1	mg/L			SW846-6010
Copper	U	0.1	mg/L			SW846-6010
Iron	N	2.32	mg/L			SW846-6010
Mercury	NU	0.0002	mg/L			SW846-7470
Nickel		1.14	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	U	0.05	mg/L			SW846-6010
Sodium	N	44.4	mg/L			SW846-6010
Thallium	U	0.4	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Vanadium	U	0.25	mg/L			SW846-6010
Zinc	U	0.25	mg/L			SW846-6010
<b>METAL-D</b>						
Barium		0.183	mg/L			SW846-6010
<b>PHYSC</b>						
Chemical Oxygen Demand (COD)	<	25	mg/L			IN7430
Dissolved Solids		256	mg/L			IN7475
Turbidity		18	NTU			IN7490
<b>RADS</b>						
Alpha activity		3.3	pCi/L	1.3		RL-7122
Beta activity		19	pCi/L	3		RL-7122
Technetium-99		0	pCi/L	0		RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L			SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L			SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1-Dichloroethane	U	0.005	mg/L			SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L			SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L			SW846-8260
1,2-Dibromoethane	U	0.005	mg/L			SW846-8260

## MW223

## C746SG97-05

## C-746S&amp;T Groundwater Monitoring 4th Quarter FY97

1,2-Dichloroethane	U	0.005	mg/L	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	SW846-8260
2-Butanone	U	0.005	mg/L	SW846-8260
2-Chloroethyl vinyl ether	U	0.005	mg/L	SW846-8260
2-Hexanone	U	0.005	mg/L	SW846-8260
4-Methyl-2-pentanone	U	0.005	mg/L	SW846-8260
Acetone	U	0.005	mg/L	SW846-8260
Acrolein	U	0.005	mg/L	SW846-8260
Acrylonitrile	U	0.005	mg/L	SW846-8260
Benzene	U	0.005	mg/L	SW846-8260
Bromochloromethane	U	0.005	mg/L	SW846-8260
Bromodichloromethane	U	0.005	mg/L	SW846-8260
Bromoform	U	0.005	mg/L	SW846-8260
Bromomethane	U	0.005	mg/L	SW846-8260
Carbon disulfide	U	0.005	mg/L	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	SW846-8260
Chlorobenzene	U	0.005	mg/L	SW846-8260
Chloroethane	U	0.005	mg/L	SW846-8260
Chloromethane	U	0.005	mg/L	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Dibromochloromethane	U	0.005	mg/L	SW846-8260
Dibromomethane	U	0.005	mg/L	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	SW846-8260
Ethanol	U	0.25	mg/L	SW846-8015
Ethyl methacrylate	U	0.005	mg/L	SW846-8260
Ethylbenzene	U	0.005	mg/L	SW846-8260
Iodomethane	U	0.005	mg/L	SW846-8260
Methylene chloride	U	0.01	mg/L	SW846-8260
Styrene	U	0.005	mg/L	SW846-8260
Tetrachloroethene	U	0.005	mg/L	SW846-8260
Toluene	U	0.005	mg/L	SW846-8260
Total Xylene	U	0.005	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L	SW846-8260
Trichloroethene	U	0.001	mg/L	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L	SW846-8260
Vinyl acetate	U	0.005	mg/L	SW846-8260
Vinyl chloride	U	0.002	mg/L	SW846-8260

**MW224**

**C746SG97-05**

**C-746S&T Groundwater Monitoring 4th Quarter FY97**

**5490-97**

Collected: 7/9/1997

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		41.8	mg/L			IN7120
Nitrate as Nitrogen		1.5	mg/L			IN7120
Total Organic Carbon (TOC)	U	1	mg/L			ST7480
Total Organic Halides (TOX)	U	0.025	mg/L			SW846-9020
<b>Field P</b>						
Depth to Water		64.59	ft			
Dissolved Oxygen		3.85	mg/L			
pH		6.05	Std Unit			
Specific Conductivity (PIP)		479	umho/cm			
Temperature		65.9	deg F			
<b>METAL</b>						
Barium		0.23	mg/L			SW846-6010
Beryllium	U	0.025	mg/L			SW846-6010
Cadmium	U	0.005	mg/L			SW846-7131
Chromium	NU	0.05	mg/L			SW846-6010
Cobalt	U	0.1	mg/L			SW846-6010
Copper	U	0.1	mg/L			SW846-6010
Iron	NU	0.3	mg/L			SW846-6010
Mercury	NU	0.0002	mg/L			SW846-7470
Nickel	U	0.1	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	U	0.05	mg/L			SW846-6010
Sodium	N	56.2	mg/L			SW846-6010
Thallium	U	0.4	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Vanadium	U	0.25	mg/L			SW846-6010
Zinc	U	0.25	mg/L			SW846-6010
<b>METAL-D</b>						
Barium		0.209	mg/L			SW846-6010
<b>PHYSC</b>						
Chemical Oxygen Demand (COD)	<	25	mg/L			IN7430
Dissolved Solids		277	mg/L			IN7475
Turbidity		0.55	NTU			IN7490
<b>RADS</b>						
Alpha activity		-2	pCi/L	-1.1		RL-7122
Beta activity		3	pCi/L	1		RL-7122
Technetium-99		0	pCi/L	0		RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L			SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L			SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1-Dichloroethane	U	0.005	mg/L			SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L			SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L			SW846-8260
1,2-Dibromoethane	U	0.005	mg/L			SW846-8260

**MW224****C746SG97-05****C-746S&T Groundwater Monitoring 4th Quarter FY97**

1,2-Dichloroethane	U	0.005	mg/L	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	SW846-8260
2-Butanone	U	0.005	mg/L	SW846-8260
2-Chloroethyl vinyl ether	U	0.005	mg/L	SW846-8260
2-Hexanone	U	0.005	mg/L	SW846-8260
4-Methyl-2-pentanone	U	0.005	mg/L	SW846-8260
Acetone	U	0.005	mg/L	SW846-8260
Acrolein	U	0.005	mg/L	SW846-8260
Acrylonitrile	U	0.005	mg/L	SW846-8260
Benzene	U	0.005	mg/L	SW846-8260
Bromochloromethane	U	0.005	mg/L	SW846-8260
Bromodichloromethane	U	0.005	mg/L	SW846-8260
Bromoform	U	0.005	mg/L	SW846-8260
Bromomethane	U	0.005	mg/L	SW846-8260
Carbon disulfide	U	0.005	mg/L	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	SW846-8260
Chlorobenzene	U	0.005	mg/L	SW846-8260
Chloroethane	U	0.005	mg/L	SW846-8260
Chloromethane	U	0.005	mg/L	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Dibromochloromethane	U	0.005	mg/L	SW846-8260
Dibromomethane	U	0.005	mg/L	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	SW846-8260
Ethanol	U	0.25	mg/L	SW846-8015
Ethyl methacrylate	U	0.005	mg/L	SW846-8260
Ethylbenzene	U	0.005	mg/L	SW846-8260
Iodomethane	U	0.005	mg/L	SW846-8260
Methylene chloride	U	0.01	mg/L	SW846-8260
Styrene	U	0.005	mg/L	SW846-8260
Tetrachloroethene	U	0.005	mg/L	SW846-8260
Toluene	U	0.005	mg/L	SW846-8260
Total Xylene	U	0.005	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L	SW846-8260
Trichloroethene		0.002	mg/L	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L	SW846-8260
Vinyl acetate	U	0.005	mg/L	SW846-8260
Vinyl chloride	U	0.002	mg/L	SW846-8260



MW263

C746SG97-05

C-746S&T Groundwater Monitoring 4th Quarter FY97

5491-97

Collected: 7/9/1997

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		36.5	mg/L			IN7120
Nitrate as Nitrogen	U	1	mg/L			IN7120
Total Organic Carbon (TOC)	U	1	mg/L			ST7480
Total Organic Halides (TOX)	U	0.025	mg/L			SW846-9020
<b>Field P</b>						
Depth to Water		28.67	ft			
Dissolved Oxygen		1.33	mg/L			
pH		6.1	Std Unit			
Specific Conductivity (PIP)		585	umho/cm			
Temperature		66.1	deg F			
<b>METAL</b>						
Barium		0.058	mg/L			SW846-6010
Beryllium	U	0.025	mg/L			SW846-6010
Cadmium	U	0.005	mg/L			SW846-7131
Chromium	N	0.114	mg/L			SW846-6010
Cobalt	U	0.1	mg/L			SW846-6010
Copper	U	0.1	mg/L			SW846-6010
Iron	N	0.41	mg/L			SW846-6010
Mercury	NU	0.0002	mg/L			SW846-7470
Nickel	U	0.1	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	U	0.05	mg/L			SW846-6010
Sodium	N	47.9	mg/L			SW846-6010
Thallium	U	0.4	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Vanadium	U	0.25	mg/L			SW846-6010
Zinc	U	0.25	mg/L			SW846-6010
<b>METAL-D</b>						
Barium		0.052	mg/L			SW846-6010
Chromium	U	0.05	mg/L			SW846-6010
<b>PHYSC</b>						
Chemical Oxygen Demand (COD)	<	25	mg/L			IN7430
Dissolved Solids		348	mg/L			IN7475
Turbidity		1.6	NTU			IN7490
<b>RADS</b>						
Alpha activity		0.4	pCi/L	0.2		RL-7122
Beta activity		16	pCi/L	2		RL-7122
Technetium-99		13	pCi/L	12		RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L			SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L			SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1-Dichloroethane	U	0.005	mg/L			SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L			SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L			SW846-8260

## MW263

## C746SG97-05

## C-746S&amp;T Groundwater Monitoring 4th Quarter FY97

1,2-Dibromoethane	U	0.005	mg/L	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	SW846-8260
2-Butanone	U	0.005	mg/L	SW846-8260
2-Chloroethyl vinyl ether	U	0.005	mg/L	SW846-8260
2-Hexanone	U	0.005	mg/L	SW846-8260
4-Methyl-2-pentanone	U	0.005	mg/L	SW846-8260
Acetone	U	0.005	mg/L	SW846-8260
Acrolein	U	0.005	mg/L	SW846-8260
Acrylonitrile	U	0.005	mg/L	SW846-8260
Benzene	U	0.005	mg/L	SW846-8260
Bromochloromethane	U	0.005	mg/L	SW846-8260
Bromodichloromethane	U	0.005	mg/L	SW846-8260
Bromoform	U	0.005	mg/L	SW846-8260
Bromomethane	U	0.005	mg/L	SW846-8260
Carbon disulfide	U	0.005	mg/L	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	SW846-8260
Chlorobenzene	U	0.005	mg/L	SW846-8260
Chloroethane	U	0.005	mg/L	SW846-8260
Chloromethane	U	0.005	mg/L	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Dibromochloromethane	U	0.005	mg/L	SW846-8260
Dibromomethane	U	0.005	mg/L	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	SW846-8260
Ethanol	U	0.25	mg/L	SW846-8015
Ethyl methacrylate	U	0.005	mg/L	SW846-8260
Ethylbenzene	U	0.005	mg/L	SW846-8260
Iodomethane	U	0.005	mg/L	SW846-8260
Methylene chloride	U	0.01	mg/L	SW846-8260
Styrene	U	0.005	mg/L	SW846-8260
Tetrachloroethene	U	0.005	mg/L	SW846-8260
Toluene	U	0.005	mg/L	SW846-8260
Total Xylene	U	0.005	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L	SW846-8260
Trichloroethene		0.007	mg/L	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L	SW846-8260
Vinyl acetate	U	0.005	mg/L	SW846-8260
Vinyl chloride	U	0.002	mg/L	SW846-8260

**MW264**

**C746SG97-05**

**C-746S&T Groundwater Monitoring 4th Quarter FY97**

**5492-97**

Collected: 7/9/1997

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		49.9	mg/L			IN7120
Nitrate as Nitrogen	U	1	mg/L			IN7120
Total Organic Carbon (TOC)	U	1	mg/L			ST7480
Total Organic Halides (TOX)	U	0.025	mg/L			SW846-9020
<b>Field P</b>						
Depth to Water		36	ft			
Dissolved Oxygen		1.4	mg/L			
pH		6.2	Std Unit			
Specific Conductivity (PIP)		569	umho/cm			
Temperature		65.7	deg F			
<b>METAL</b>						
Barium		0.146	mg/L			SW846-6010
Beryllium	U	0.025	mg/L			SW846-6010
Cadmium	U	0.005	mg/L			SW846-7131
Chromium	NU	0.05	mg/L			SW846-6010
Cobalt	U	0.1	mg/L			SW846-6010
Copper	U	0.1	mg/L			SW846-6010
Iron	N	0.471	mg/L			SW846-6010
Mercury	NU	0.0002	mg/L			SW846-7470
Nickel	U	0.1	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	U	0.05	mg/L			SW846-6010
Sodium	N	48	mg/L			SW846-6010
Thallium	U	0.4	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Vanadium	U	0.25	mg/L			SW846-6010
Zinc	U	0.25	mg/L			SW846-6010
<b>METAL-D</b>						
Barium		0.128	mg/L			SW846-6010
<b>PHYSC</b>						
Chemical Oxygen Demand (COD)	<	25	mg/L			IN7430
Dissolved Solids		297	mg/L			IN7475
Turbidity		4.6	NTU			IN7490
<b>RADS</b>						
Alpha activity		0.4	pCi/L	0.2		RL-7122
Beta activity		5	pCi/L	1		RL-7122
Technetium-99		0	pCi/L	0		RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L			SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L			SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1-Dichloroethane	U	0.005	mg/L			SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L			SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L			SW846-8260
1,2-Dibromoethane	U	0.005	mg/L			SW846-8260

## MW264

## C746SG97-05

## C-746S&amp;T Groundwater Monitoring 4th Quarter FY97

1,2-Dichloroethane	U	0.005	mg/L	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	SW846-8260
2-Butanone	U	0.005	mg/L	SW846-8260
2-Chloroethyl vinyl ether	U	0.005	mg/L	SW846-8260
2-Hexanone	U	0.005	mg/L	SW846-8260
4-Methyl-2-pentanone	U	0.005	mg/L	SW846-8260
Acetone	U	0.005	mg/L	SW846-8260
Acrolein	U	0.005	mg/L	SW846-8260
Acrylonitrile	U	0.005	mg/L	SW846-8260
Benzene	U	0.005	mg/L	SW846-8260
Bromochloromethane	U	0.005	mg/L	SW846-8260
Bromodichloromethane	U	0.005	mg/L	SW846-8260
Bromoform	U	0.005	mg/L	SW846-8260
Bromomethane	U	0.005	mg/L	SW846-8260
Carbon disulfide	U	0.005	mg/L	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	SW846-8260
Chlorobenzene	U	0.005	mg/L	SW846-8260
Chloroethane	U	0.005	mg/L	SW846-8260
Chloromethane	U	0.005	mg/L	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Dibromochloromethane	U	0.005	mg/L	SW846-8260
Dibromomethane	U	0.005	mg/L	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	SW846-8260
Ethanol	U	0.25	mg/L	SW846-8015
Ethyl methacrylate	U	0.005	mg/L	SW846-8260
Ethylbenzene	U	0.005	mg/L	SW846-8260
Iodomethane	U	0.005	mg/L	SW846-8260
Methylene chloride	U	0.01	mg/L	SW846-8260
Styrene	U	0.005	mg/L	SW846-8260
Tetrachloroethene	U	0.005	mg/L	SW846-8260
Toluene	U	0.005	mg/L	SW846-8260
Total Xylene	U	0.005	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L	SW846-8260
Trichloroethene		0.002	mg/L	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L	SW846-8260
Vinyl acetate	U	0.005	mg/L	SW846-8260
Vinyl chloride	U	0.002	mg/L	SW846-8260

## MW265

## C746SG97-05

## C-746S&amp;T Groundwater Monitoring 4th Quarter FY97

## 5493-97

Collected: 7/9/1997

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		36.5	mg/L			IN7120
Nitrate as Nitrogen	U	1	mg/L			IN7120
Total Organic Carbon (TOC)	U	1	mg/L			ST7480
Total Organic Halides (TOX)	U	0.025	mg/L			SW846-9020
<b>Field P</b>						
Depth to Water		37.69	ft			
Dissolved Oxygen		2.31	mg/L			
pH		6.11	Std Unit			
Specific Conductivity (PIP)		380	umho/cm			
Temperature		64.2	deg F			
<b>METAL</b>						
Barium		0.222	mg/L			SW846-6010
Beryllium	U	0.025	mg/L			SW846-6010
Cadmium	U	0.005	mg/L			SW846-7131
Chromium	N	1.2	mg/L			SW846-6010
Cobalt	U	0.1	mg/L			SW846-6010
Copper	U	0.1	mg/L			SW846-6010
Iron	N	11	mg/L			SW846-6010
Mercury	NU	0.0002	mg/L			SW846-7470
Nickel		0.123	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	U	0.05	mg/L			SW846-6010
Sodium	N	40.9	mg/L			SW846-6010
Thallium	U	0.4	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Vanadium	U	0.25	mg/L			SW846-6010
Zinc	U	0.25	mg/L			SW846-6010
<b>METAL-D</b>						
Barium		0.178	mg/L			SW846-6010
Chromium	U	0.05	mg/L			SW846-6010
<b>PHYSC</b>						
Chemical Oxygen Demand (COD)	<	25	mg/L			IN7430
Dissolved Solids		214	mg/L			IN7475
Turbidity		52	NTU			IN7490
<b>RADS</b>						
Alpha activity		-1.1	pCi/L	-0.5		RL-7122
Beta activity		4	pCi/L	1		RL-7122
Technetium-99		0	pCi/L	0		RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L			SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L			SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1-Dichloroethane	U	0.005	mg/L			SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L			SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L			SW846-8260

## MW265

## C746SG97-05

## C-746S&amp;T Groundwater Monitoring 4th Quarter FY97

1,2-Dibromoethane	U	0.005	mg/L	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	SW846-8260
2-Butanone	U	0.005	mg/L	SW846-8260
2-Chloroethyl vinyl ether	U	0.005	mg/L	SW846-8260
2-Hexanone	U	0.005	mg/L	SW846-8260
4-Methyl-2-pentanone	U	0.005	mg/L	SW846-8260
Acetone	U	0.005	mg/L	SW846-8260
Acrolein	U	0.005	mg/L	SW846-8260
Acrylonitrile	U	0.005	mg/L	SW846-8260
Benzene	U	0.005	mg/L	SW846-8260
Bromochloromethane	U	0.005	mg/L	SW846-8260
Bromodichloromethane	U	0.005	mg/L	SW846-8260
Bromoform	U	0.005	mg/L	SW846-8260
Bromomethane	U	0.005	mg/L	SW846-8260
Carbon disulfide	U	0.005	mg/L	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	SW846-8260
Chlorobenzene	U	0.005	mg/L	SW846-8260
Chloroethane	U	0.005	mg/L	SW846-8260
Chloromethane	U	0.005	mg/L	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Dibromochloromethane	U	0.005	mg/L	SW846-8260
Dibromomethane	U	0.005	mg/L	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	SW846-8260
Ethanol	U	0.25	mg/L	SW846-8015
Ethyl methacrylate	U	0.005	mg/L	SW846-8260
Ethylbenzene	U	0.005	mg/L	SW846-8260
Iodomethane	U	0.005	mg/L	SW846-8260
Methylene chloride	U	0.01	mg/L	SW846-8260
Styrene	U	0.005	mg/L	SW846-8260
Tetrachloroethene	U	0.005	mg/L	SW846-8260
Toluene	U	0.005	mg/L	SW846-8260
Total Xylene	U	0.005	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L	SW846-8260
Trichloroethene		0.002	mg/L	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L	SW846-8260
Vinyl acetate	U	0.005	mg/L	SW846-8260
Vinyl chloride	U	0.002	mg/L	SW846-8260

MW266

C746SG97-05

C-746S&T Groundwater Monitoring 4th Quarter FY97

5494-97

Collected: 7/8/1997

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		40	mg/L			IN7120
Nitrate as Nitrogen		1.1	mg/L			IN7120
Total Organic Carbon (TOC)	U	1	mg/L			ST7480
Total Organic Halides (TOX)	U	0.025	mg/L			SW846-9020
<b>Field P</b>						
Depth to Water		33.64	ft			
Dissolved Oxygen		2.03	mg/L			
pH		6	Std Unit			
Specific Conductivity (PIP)		437	umho/cm			
Temperature		67.3	deg F			
<b>METAL</b>						
Barium		0.054	mg/L			SW846-6010
Beryllium	U	0.025	mg/L			SW846-6010
Cadmium	U	0.005	mg/L			SW846-7131
Chromium	N	2.61	mg/L			SW846-6010
Cobalt	U	0.1	mg/L			SW846-6010
Copper	U	0.1	mg/L			SW846-6010
Iron	N	13.8	mg/L			SW846-6010
Mercury	NU	0.0002	mg/L			SW846-7470
Nickel		0.16	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	U	0.05	mg/L			SW846-6010
Sodium	N	28.2	mg/L			SW846-6010
Thallium	U	0.4	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Vanadium	U	0.25	mg/L			SW846-6010
Zinc	U	0.25	mg/L			SW846-6010
<b>METAL-D</b>						
Barium		0.042	mg/L			SW846-6010
Chromium	U	0.05	mg/L			SW846-6010
<b>PHYSC</b>						
Chemical Oxygen Demand (COD)	<	25	mg/L			IN7430
Dissolved Solids		255	mg/L			IN7475
Turbidity		150	NTU			IN7490
<b>RADS</b>						
Alpha activity		-0.1	pCi/L	0		RL-7122
Beta activity		7	pCi/L	1		RL-7122
Technetium-99		0	pCi/L	0		RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L			SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L			SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1-Dichloroethane	U	0.005	mg/L			SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L			SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L			SW846-8260

## MW266

## C746SG97-05

## C-746S&amp;T Groundwater Monitoring 4th Quarter FY97

1,2-Dibromoethane	U	0.005	mg/L	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	SW846-8260
2-Butanone	U	0.005	mg/L	SW846-8260
2-Chloroethyl vinyl ether	U	0.005	mg/L	SW846-8260
2-Hexanone	U	0.005	mg/L	SW846-8260
4-Methyl-2-pentanone	U	0.005	mg/L	SW846-8260
Acetone	U	0.005	mg/L	SW846-8260
Acrolein	U	0.005	mg/L	SW846-8260
Acrylonitrile	U	0.005	mg/L	SW846-8260
Benzene	U	0.005	mg/L	SW846-8260
Bromochloromethane	U	0.005	mg/L	SW846-8260
Bromodichloromethane	U	0.005	mg/L	SW846-8260
Bromoform	U	0.005	mg/L	SW846-8260
Bromomethane	U	0.005	mg/L	SW846-8260
Carbon disulfide	U	0.005	mg/L	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	SW846-8260
Chlorobenzene	U	0.005	mg/L	SW846-8260
Chloroethane	U	0.005	mg/L	SW846-8260
Chloromethane	U	0.005	mg/L	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Dibromochloromethane	U	0.005	mg/L	SW846-8260
Dibromomethane	U	0.005	mg/L	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	SW846-8260
Ethanol	UJX	0.25	mg/L	SW846-8015
Ethyl methacrylate	U	0.005	mg/L	SW846-8260
Ethylbenzene	U	0.005	mg/L	SW846-8260
Iodomethane	U	0.005	mg/L	SW846-8260
Methylene chloride	U	0.01	mg/L	SW846-8260
Styrene	U	0.005	mg/L	SW846-8260
Tetrachloroethene	U	0.005	mg/L	SW846-8260
Toluene	U	0.005	mg/L	SW846-8260
Total Xylene	U	0.005	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L	SW846-8260
Trichloroethene		0.002	mg/L	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L	SW846-8260
Vinyl acetate	U	0.005	mg/L	SW846-8260
Vinyl chloride	U	0.002	mg/L	SW846-8260



**MW267**

**C746SG97-05**

**C-746S&T Groundwater Monitoring 4th Quarter FY97**

**5495-97**

Collected: 7/8/1997

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		49.4	mg/L			IN7120
Nitrate as Nitrogen		2.7	mg/L			IN7120
Total Organic Carbon (TOC)	U	1	mg/L			ST7480
Total Organic Halides (TOX)	U	0.025	mg/L			SW846-9020
<b>Field P</b>						
Depth to Water		49	ft			
Dissolved Oxygen		1.92	mg/L			
pH		5.8	Std Unit			
Specific Conductivity (PIP)		463	umho/cm			
Temperature		66.8	deg F			
<b>METAL</b>						
Barium		0.211	mg/L			SW846-6010
Beryllium	U	0.025	mg/L			SW846-6010
Cadmium	U	0.005	mg/L			SW846-7131
Chromium	N	5.4	mg/L			SW846-6010
Cobalt	U	0.1	mg/L			SW846-6010
Copper	U	0.1	mg/L			SW846-6010
Iron	N	21	mg/L			SW846-6010
Mercury	NU	0.0002	mg/L			SW846-7470
Nickel	U	0.1	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	U	0.05	mg/L			SW846-6010
Sodium	N	43.6	mg/L			SW846-6010
Thallium	U	0.4	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Vanadium	U	0.25	mg/L			SW846-6010
Zinc	U	0.25	mg/L			SW846-6010
<b>METAL-D</b>						
Barium		0.168	mg/L			SW846-6010
Chromium	U	0.05	mg/L			SW846-6010
<b>PHYSC</b>						
Chemical Oxygen Demand (COD)	<	25	mg/L			IN7430
Dissolved Solids		230	mg/L			IN7475
Turbidity		75	NTU			IN7490
<b>RADS</b>						
Alpha activity		4.5	pCi/L	1.7		RL-7122
Beta activity		19	pCi/L	3		RL-7122
Technetium-99		9	pCi/L	12		RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L			SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L			SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1-Dichloroethane	U	0.005	mg/L			SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L			SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L			SW846-8260

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## C746SG97-05

## C-746S&amp;T Groundwater Monitoring 4th Quarter FY97

1,2-Dibromoethane	U	0.005	mg/L	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	SW846-8260
2-Butanone	U	0.005	mg/L	SW846-8260
2-Chloroethyl vinyl ether	U	0.005	mg/L	SW846-8260
2-Hexanone	U	0.005	mg/L	SW846-8260
4-Methyl-2-pentanone	U	0.005	mg/L	SW846-8260
Acetone	U	0.005	mg/L	SW846-8260
Acrolein	U	0.005	mg/L	SW846-8260
Acrylonitrile	U	0.005	mg/L	SW846-8260
Benzene	U	0.005	mg/L	SW846-8260
Bromochloromethane	U	0.005	mg/L	SW846-8260
Bromodichloromethane	U	0.005	mg/L	SW846-8260
Bromoform	U	0.005	mg/L	SW846-8260
Bromomethane	U	0.005	mg/L	SW846-8260
Carbon disulfide	U	0.005	mg/L	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	SW846-8260
Chlorobenzene	U	0.005	mg/L	SW846-8260
Chloroethane	U	0.005	mg/L	SW846-8260
Chloromethane	U	0.005	mg/L	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Dibromochloromethane	U	0.005	mg/L	SW846-8260
Dibromomethane	U	0.005	mg/L	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	SW846-8260
Ethanol	U	0.25	mg/L	SW846-8015
Ethyl methacrylate	U	0.005	mg/L	SW846-8260
Ethylbenzene	U	0.005	mg/L	SW846-8260
Iodomethane	U	0.005	mg/L	SW846-8260
Methylene chloride	U	0.01	mg/L	SW846-8260
Styrene	U	0.005	mg/L	SW846-8260
Tetrachloroethene	U	0.005	mg/L	SW846-8260
Toluene	U	0.005	mg/L	SW846-8260
Total Xylene	U	0.005	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L	SW846-8260
Trichloroethene	U	0.001	mg/L	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L	SW846-8260
Vinyl acetate	U	0.005	mg/L	SW846-8260
Vinyl chloride	U	0.002	mg/L	SW846-8260

## MW276

## C746U-95

## C-746U Landfill Monitoring C746U-95

## 5363-95

Collected: 1/18/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Alkalinity M		89	mg/L			W-12
Alkalinity P	<	5	mg/L			W-12
Chloride		58	mg/L			SW846-9252
Cyanide	U	0.02	mg/L			SA-CN-1
Fluoride		0.17	mg/L			SA-F-7
Nitrate as Nitrogen		1.4	mg/L			SA-N-1
Sulfate		5	mg/L			SW846-9038
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)		0.033	mg/L			SW846-9020
<b>Field P</b>						
Depth to Water		38.61	ft			
Dissolved Oxygen		5.25	mg/L			
pH		6.1	Std Unit			
Temperature		58	deg F			
<b>METAL</b>						
Aluminum		0.024	mg/L			SW846-6010
Arsenic		0.01	mg/L			SW846
Barium		0.47	mg/L			SW846-6010
Beryllium	U	0.0003	mg/L			SW846-6010
Cadmium	U	0.002	mg/L			SW846
Calcium		25	mg/L			SW846-6010
Chromium		0.04	mg/L			SW846-7191
Cobalt		0.028	mg/L			SW846
Copper		0.028	mg/L			SW846-6010
Iron		0.015	mg/L			SW846-6010
Magnesium		10	mg/L			SW846-6010
Manganese		0.02	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Nickel		0.019	mg/L			SW846
Potassium		1.7	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	U	0.006	mg/L			SW846
Sodium		32	mg/L			SW846-6010
Thallium	U	0.01	mg/L			SW846
Tin	U	0.01	mg/L			SW846
Uranium	U	0.001	mg/L			SA-U-8
Vanadium		0.03	mg/L			SW846-6010
Zinc		0.06	mg/L			SW846
<b>PHYSC</b>						
Chemical Oxygen Demand (COD)		5	mg/L			W-40
Dissolved Solids		237	mg/L			W-140
Specific Conductivity (PIP)		379	umho/cm			SA-COND-1
<b>PCCB</b>						
2,4,5-T	U	2.3E-05	mg/L			SW846-8150
2,4-D	U	4.7E-05	mg/L			SW846-8150
4,4'-DDD	U	0.0001	mg/L			SW846-8080
4,4'-DDE	U	0.0001	mg/L			SW846
4,4'-DDT	U	0.0001	mg/L			SW846-8080
Aldrin	U	0.00005	mg/L			SW846

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**C746U-95**

**C-746U Landfill Monitoring C746U-95**

alpha-BHC	U	0.00005	mg/L	SW846
alpha-Chlordane	U	0.00005	mg/L	SW846-8080
beta-BHC	U	0.00005	mg/L	SW846
delta-BHC	U	0.00005	mg/L	SW846-8080
Dieldrin	U	0.0001	mg/L	SW846
Endosulfan I	U	0.00005	mg/L	SW846-8080
Endosulfan II	U	0.0001	mg/L	SW846
Endosulfan sulfate	U	0.0001	mg/L	SW846-8080
Endrin	U	0.0001	mg/L	SW846
gamma-Chlordane	U	0.00005	mg/L	SW846-8080
Heptachlor	U	0.00005	mg/L	SW846
Heptachlor epoxide	U	0.00005	mg/L	SW846-8080
Lindane	U	0.00005	mg/L	SW846
Methoxychlor	U	0.0005	mg/L	SW846
PCB-1016	U	0.0005	mg/L	SW846-8080
PCB-1221	U	0.0005	mg/L	SW846
PCB-1232	U	0.0005	mg/L	SW846-8080
PCB-1242	U	0.0005	mg/L	SW846
PCB-1248	U	0.0005	mg/L	SW846-8080
PCB-1254	U	0.0005	mg/L	SW846
PCB-1260	U	0.0005	mg/L	SW846-8080
Silvex	U	4.7E-05	mg/L	SW846-8150
Toxaphene	U	0.001	mg/L	SW846-8080

**RADS**

Alpha activity		1.4	pCi/L	1.1	R-4
Alpha activity	U	1000	pCi/L		R
Beta activity	U	1000	pCi/L		R
Beta activity		29	pCi/L	14	R-4
Technetium-99		35	pCi/L	22	R-46

**SVOA**

1,2,4,5-Tetrachlorobenzene	U	0.01	mg/L	SW846-8270
1,2,4-Trichlorobenzene	U	0.01	mg/L	SW846-8270
1,2-Dichlorobenzene	U	0.01	mg/L	SW846-8270
1,3,5-Trinitrobenzene	U	0.01	mg/L	SW846-8270
1,3-Dichlorobenzene	U	0.01	mg/L	SW846-8270
1,4-Dichlorobenzene	U	0.01	mg/L	SW846-8270
1,4-Dioxane	U	0.01	mg/L	SW846-8270
1,4-Naphthoquinone	U	0.01	mg/L	SW846-8270
1-Naphthalenamine	U	0.01	mg/L	SW846-8270
2,3,4,6-Tetrachlorophenol	U	0.01	mg/L	SW846-8270
2,4,5-Trichlorophenol	U	0.01	mg/L	SW846-8270
2,4,6-Trichlorophenol	U	0.01	mg/L	SW846-8270
2,4-Dichlorophenol	U	0.01	mg/L	SW846-8270
2,4-Dimethylphenol	U	0.01	mg/L	SW846-8270
2,4-Dinitrophenol	U	0.05	mg/L	SW846-8270
2,4-Dinitrotoluene	U	0.01	mg/L	SW846-8270
2,6-Dichlorophenol	U	0.01	mg/L	SW846-8270
2,6-Dinitrotoluene	U	0.01	mg/L	SW846-8270
2-Acetylaminofluorene	U	0.01	mg/L	SW846-8270
2-Chloronaphthalene	U	0.01	mg/L	SW846-8270
2-Chlorophenol	U	0.01	mg/L	SW846-8270
2-Methyl-4,6-dinitrophenol	U	0.01	mg/L	SW846-8270
2-Methylnaphthalene	U	0.01	mg/L	SW846-8270
2-Methylphenol	U	0.01	mg/L	SW846-8270
2-Naphthalenamine	U	0.01	mg/L	SW846-8270

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## C746U-95

## C-746U Landfill Monitoring C746U-95

2-Nitrobenzenamine	U	0.05	mg/L	SW846-8270
2-Nitrophenol	U	0.01	mg/L	SW846-8270
3,3'-Dichlorobenzidine	U	0.02	mg/L	SW846-8270
3,3'-Dimethylbenzidine	U	0.01	mg/L	SW846-8270
3-Methylcholanthrene	U	0.01	mg/L	SW846-8270
3-Nitrobenzenamine	U	0.05	mg/L	SW846-8270
4-Aminobiphenyl	U	0.01	mg/L	SW846-8270
4-Bromophenyl phenyl ether	U	0.01	mg/L	SW846-8270
4-Chloro-3-methylphenol	U	0.02	mg/L	SW846-8270
4-Chlorobenzenamine	U	0.02	mg/L	SW846-8270
4-Chlorophenyl phenyl ether	U	0.01	mg/L	SW846-8270
4-Nitrobenzenamine	U	0.05	mg/L	SW846-8270
4-Nitrophenol	U	0.05	mg/L	SW846-8270
5-(2-Propenyl)-1,3-benzodioxole (Safr	U	0.01	mg/L	SW846-8270
5-Nitro-o-toluidine	U	0.01	mg/L	SW846-8270
7,12-Dimethylbenz(a)anthracene	U	0.01	mg/L	SW846-8270
Acenaphthene	U	0.01	mg/L	SW846-8270
Acenaphthylene	U	0.01	mg/L	SW846-8270
Acetophenone	U	0.01	mg/L	SW846-8270
Anthracene	U	0.01	mg/L	SW846-8270
Benz(a)anthracene	U	0.01	mg/L	SW846-8270
Benzenemethanol	U	0.02	mg/L	SW846-8270
Benzo(a)pyrene	U	0.01	mg/L	SW846-8270
Benzo(b)fluoranthene	U	0.01	mg/L	SW846-8270
Benzo(ghi)perylene	U	0.01	mg/L	SW846-8270
Benzo(k)fluoranthene	U	0.01	mg/L	SW846-8270
Bis(2-chloroethoxy)methane	U	0.01	mg/L	SW846-8270
Bis(2-chloroethyl) ether	U	0.01	mg/L	SW846-8270
Bis(2-chloroisopropyl) ether	U	0.01	mg/L	SW846-8270
Bis(2-ethylhexyl)phthalate	U	0.01	mg/L	SW846-8270
Butyl benzyl phthalate	U	0.01	mg/L	SW846-8270
Chlorobenzilate	U	0.01	mg/L	SW846-8270
Chrysene	U	0.01	mg/L	SW846-8270
Diallate	U	0.01	mg/L	SW846-8270
Dibenz(a,h)anthracene	U	0.01	mg/L	SW846-8270
Dibenzofuran	U	0.01	mg/L	SW846-8270
Diethyl phthalate	U	0.01	mg/L	SW846-8270
Dimethoate	U	0.01	mg/L	SW846-8270
Dimethyl phthalate	U	0.01	mg/L	SW846-8270
Di-n-butyl phthalate	U	0.01	mg/L	SW846-8270
Di-n-octylphthalate	U	0.01	mg/L	SW846-8270
Dinoseb	U	0.01	mg/L	SW846-8270
Diphenylamine	U	0.01	mg/L	SW846-8270
Disulfoton	U	0.01	mg/L	SW846-8270
Ethyl methanesulfonate	U	0.01	mg/L	SW846-8270
Fluoranthene	U	0.01	mg/L	SW846-8270
Fluorene	U	0.01	mg/L	SW846-8270
Hexachloro-1-propene	U	0.01	mg/L	SW846-8270
Hexachlorobenzene	U	0.0005	mg/L	SW846-8270
Hexachlorobutadiene	U	0.01	mg/L	SW846-8270
Hexachlorocyclopentadiene	U	0.01	mg/L	SW846-8270
Hexachloroethane	U	0.01	mg/L	SW846-8270
Indeno(1,2,3-cd)pyrene	U	0.01	mg/L	SW846-8270
Isodrin	U	0.01	mg/L	SW846-8270
Isophorone	U	0.01	mg/L	SW846-8270

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Isosafrole	U	0.01 mg/L	SW846-8270
Kepone	U	0.01 mg/L	SW846-8270
Methapyrilene	U	0.01 mg/L	SW846-8270
Methyl methanesulfonate	U	0.01 mg/L	SW846-8270
Methyl parathion	U	0.01 mg/L	SW846-8270
Naphthalene	U	0.01 mg/L	SW846-8270
Nitrobenzene	U	0.01 mg/L	SW846-8270
N-Nitrosodiethylamine	U	0.01 mg/L	SW846-8270
N-Nitrosodimethylamine	U	0.01 mg/L	SW846-8270
N-Nitroso-di-n-butylamine	U	0.01 mg/L	SW846-8270
N-Nitroso-di-n-propylamine	U	0.01 mg/L	SW846-8270
N-Nitrosodiphenylamine	U	0.01 mg/L	SW846-8270
N-Nitrosomethylethylamine	U	0.01 mg/L	SW846-8270
N-Nitrosopiperidine	U	0.01 mg/L	SW846-8270
N-Nitrosopyrrolidine	U	0.01 mg/L	SW846-8270
O,O,O-Triethylphosphorothioate	U	0.01 mg/L	SW846-8270
o-Toluidine	U	0.01 mg/L	SW846-8270
p-Dimethylaminoazobenzene	U	0.01 mg/L	SW846-8270
Pentachlorobenzene	U	0.01 mg/L	SW846-8270
Pentachlorodibenzofuran	U	1E-08 mg/L	SW846-8270
Pentachloronitrobenzene	U	0.01 mg/L	SW846-8270
Pentachlorophenol	U	0.05 mg/L	SW846-8270
Phenacetin	U	0.01 mg/L	SW846-8270
Phenanthrene	U	0.01 mg/L	SW846-8270
Phenol	U	0.01 mg/L	SW846-8270
Phorate	U	0.01 mg/L	SW846-8270
p-Phenylenediamine	U	0.01 mg/L	SW846-8270
Pronamide	U	0.01 mg/L	SW846-8270
Pyrene	U	0.01 mg/L	SW846-8270
Thionazin	U	0.01 mg/L	SW846-8270
<b>VOA</b>			
1,1,1,2-Tetrachloroethane	U	0.01 mg/L	SW846-8240
1,1,1-Trichloroethane	U	0.01 mg/L	SW846-8240
1,1,1,2,2-Tetrachloroethane	U	0.01 mg/L	SW846-8240
1,1,2-Trichloroethane	U	0.005 mg/L	SW846-8240
1,1-Dichloroethane	U	0.005 mg/L	SW846-8240
1,2,3-Trichloropropane	U	0.01 mg/L	SW846-8240
1,2-Dibromo-3-chloropropane	U	0.01 mg/L	SW846-8240
1,2-Dibromoethane	U	0.01 mg/L	SW846-8240
1,2-Dichloroethane	U	0.005 mg/L	SW846-8240
1,2-Dichloroethene	U	0.01 mg/L	SW846-8240
1,2-Dichloropropane	U	0.01 mg/L	SW846-8240
2-Butanone	U	0.02 mg/L	SW846-8240
2-Hexanone	U	0.015 mg/L	SW846-8240
4-Methyl-2-pentanone	U	0.01 mg/L	SW846-8240
Acetone	U	0.015 mg/L	SW846-8240
Acetonitrile	U	0.06 mg/L	SW846-8240
Acrolein	U	0.09 mg/L	SW846-8240
Acrylonitrile	U	0.095 mg/L	SW846-8240
Allyl chloride	U	0.015 mg/L	SW846-8240
Bromodichloromethane	U	0.01 mg/L	SW846-8240
Bromoform	U	0.01 mg/L	SW846-8240
Bromomethane	U	0.01 mg/L	SW846-8240
Carbon disulfide	U	0.01 mg/L	SW846-8240
Chlorobenzene	U	0.01 mg/L	SW846-8240

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**C746U-95**

**C-746U Landfill Monitoring C746U-95**

Chloroethane	U	0.01	mg/L	SW846-8240
Chloromethane	U	0.015	mg/L	SW846-8240
cis-1,3-Dichloropropene	U	0.015	mg/L	SW846-8240
cis-1,4-Dichloro-2-Butene	U	0.005	mg/L	SW846-8240
Dibromochloromethane	U	0.01	mg/L	SW846-8240
Dibromomethane	U	0.01	mg/L	SW846-8240
Ethyl cyanide	U	0.22	mg/L	SW846-8240
Ethylbenzene	U	0.01	mg/L	SW846-8240
Iodomethane	U	0.005	mg/L	SW846-8240
Isobutanol	U	2.8	mg/L	SW846-8240
Methacrylonitrile	U	0.02	mg/L	SW846-8240
Methyl methacrylate	U	0.02	mg/L	SW846-8240
Methylene chloride	U	0.01	mg/L	SW846-8240
Pentachloroethane	U	0.01	mg/L	SW846-8270
Styrene	U	0.005	mg/L	SW846-8240
Tetrachloroethene	U	0.01	mg/L	SW846-8240
Toluene	U	0.005	mg/L	SW846-8240
Total Xylene	U	0.015	mg/L	SW846-8240
trans-1,3-Dichloropropene	U	0.01	mg/L	SW846-8240
Trichloroethene		0.025	mg/L	SW846-8240
Trichlorofluoromethane	U	0.01	mg/L	SW846-8240
Vinyl acetate	U	0.01	mg/L	SW846-8240

**5364-95**

Collected: 1/18/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)		0.037	mg/L			SW846-9020
<b>Field P</b>						
pH		6.1	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		378	umho/cm			SA-COND-1

**5365-95**

Collected: 1/18/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)		0.032	mg/L			SW846-9020
<b>Field P</b>						
pH		6.1	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		379	umho/cm			SA-COND-1

**MW276**

**C746U-95**

**C-746U Landfill Monitoring C746U-95**

**5366-95**

Collected: 1/18/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)		0.029	mg/L			SW846-9020
<b>Field P</b>						
pH		6.1	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		379	umho/cm			SA-COND-1



## MW276

## C746U-95

## C-746U Landfill Monitoring C746U-95

## 5371-95

Collected: 1/18/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Alkalinity M		87	mg/L			W-12
Alkalinity P	<	5	mg/L			W-12
Chloride		51	mg/L			SW846
Cyanide	U	0.02	mg/L			SA-CN-1
Fluoride		0.16	mg/L			SA-F-7
Nitrate as Nitrogen		1.4	mg/L			SA-N-1
Sulfate		10	mg/L			SW846-9038
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)		0.023	mg/L			SW846-9020
<b>Field P</b>						
Depth to Water		38.61	ft			
Dissolved Oxygen		5.37	mg/L			
pH		6.1	Std Unit			
Temperature		58	deg F			
<b>METAL</b>						
Aluminum		0.037	mg/L			SW846-6010
Barium		0.25	mg/L			SW846-6010
Beryllium	U	0.0003	mg/L			SW846-6010
Cadmium	U	0.002	mg/L			SW846
Calcium		25	mg/L			SW846-6010
Chromium	U	0.01	mg/L			SW846-7191
Cobalt	U	0.005	mg/L			SW846
Copper	U	0.004	mg/L			SW846-6010
Iron	U	0.005	mg/L			SW846-6010
Magnesium		9.9	mg/L			SW846-6010
Manganese		0.012	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Nickel	U	0.01	mg/L			SW846
Potassium		1.6	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	U	0.006	mg/L			SW846
Sodium		32	mg/L			SW846-6010
Thallium	U	0.01	mg/L			SW846
Tin	U	0.01	mg/L			SW846
Uranium	U	0.001	mg/L			SA-U-8
Vanadium	U	0.005	mg/L			SW846-6010
Zinc		0.033	mg/L			SW846
<b>PHYSIC</b>						
Chemical Oxygen Demand (COD)	<	5	mg/L			W-40
Dissolved Solids		158	mg/L			W-140
Specific Conductivity (PIP)		378	umho/cm			SA-COND-1
<b>PCCB</b>						
2,4,5-T	U	2.3E-05	mg/L			SW846-8150
2,4-D	U	4.7E-05	mg/L			SW846-8150
4,4'-DDD	U	0.0001	mg/L			SW846-8080
4,4'-DDE	U	0.0001	mg/L			SW846
4,4'-DDT	U	0.0001	mg/L			SW846-8080
Aldrin	U	0.00005	mg/L			SW846
alpha-BHC	U	0.00005	mg/L			SW846

**MW276****C746U-95****C-746U Landfill Monitoring C746U-95**

alpha-Chlordane	U	0.00005	mg/L	SW846-8080
beta-BHC	U	0.00005	mg/L	SW846
delta-BHC	U	0.00005	mg/L	SW846-8080
Dieldrin	U	0.0001	mg/L	SW846
Endosulfan I	U	0.00005	mg/L	SW846-8080
Endosulfan II	U	0.0001	mg/L	SW846
Endosulfan sulfate	U	0.0001	mg/L	SW846-8080
Endrin	U	0.0001	mg/L	SW846
gamma-Chlordane	U	0.00005	mg/L	SW846-8080
Heptachlor	U	0.00005	mg/L	SW846
Heptachlor epoxide	U	0.00005	mg/L	SW846-8080
Lindane	U	0.00005	mg/L	SW846
Methoxychlor	U	0.0005	mg/L	SW846
PCB-1016	U	0.0005	mg/L	SW846-8080
PCB-1221	U	0.0005	mg/L	SW846
PCB-1232	U	0.0005	mg/L	SW846-8080
PCB-1242	U	0.0005	mg/L	SW846
PCB-1248	U	0.0005	mg/L	SW846-8080
PCB-1254	U	0.0005	mg/L	SW846
PCB-1260	U	0.0005	mg/L	SW846-8080
Silvex	U	4.7E-05	mg/L	SW846-8150
Toxaphene	U	0.001	mg/L	SW846-8080

**RADS**

Alpha activity		1.5	pCi/L	1	R-4
Alpha activity	U	1000	pCi/L		R
Beta activity	U	1000	pCi/L		R
Beta activity		30	pCi/L	14	R-4
Technetium-99		41	pCi/L	21	R-46

**SVOA**

1,2,4,5-Tetrachlorobenzene	U	0.01	mg/L	SW846-8270
1,2,4-Trichlorobenzene	U	0.01	mg/L	SW846-8270
1,2-Dichlorobenzene	U	0.01	mg/L	SW846-8270
1,3,5-Trinitrobenzene	U	0.01	mg/L	SW846-8270
1,3-Dichlorobenzene	U	0.01	mg/L	SW846-8270
1,4-Dichlorobenzene	U	0.01	mg/L	SW846-8270
1,4-Dioxane	U	0.01	mg/L	SW846-8270
1,4-Naphthoquinone	U	0.01	mg/L	SW846-8270
1-Naphthalenamine	U	0.01	mg/L	SW846-8270
2,3,4,6-Tetrachlorophenol	U	0.01	mg/L	SW846-8270
2,4,5-Trichlorophenol	U	0.01	mg/L	SW846-8270
2,4,6-Trichlorophenol	U	0.01	mg/L	SW846-8270
2,4-Dichlorophenol	U	0.01	mg/L	SW846-8270
2,4-Dimethylphenol	U	0.01	mg/L	SW846-8270
2,4-Dinitrophenol	U	0.05	mg/L	SW846-8270
2,4-Dinitrotoluene	U	0.01	mg/L	SW846-8270
2,6-Dichlorophenol	U	0.01	mg/L	SW846-8270
2,6-Dinitrotoluene	U	0.01	mg/L	SW846-8270
2-Acetylaminofluorene	U	0.01	mg/L	SW846-8270
2-Chloronaphthalene	U	0.01	mg/L	SW846-8270
2-Chlorophenol	U	0.01	mg/L	SW846-8270
2-Methyl-4,6-dinitrophenol	U	0.01	mg/L	SW846-8270
2-Methylnaphthalene	U	0.01	mg/L	SW846-8270
2-Methylphenol	U	0.01	mg/L	SW846-8270
2-Naphthalenamine	U	0.01	mg/L	SW846-8270
2-Nitrobenzenamine	U	0.05	mg/L	SW846-8270

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## C-746U Landfill Monitoring C746U-95

2-Nitrophenol	U	0.01 mg/L	SW846-8270
3,3'-Dichlorobenzidine	U	0.02 mg/L	SW846-8270
3,3'-Dimethylbenzidine	U	0.01 mg/L	SW846-8270
3-Methylcholanthrene	U	0.01 mg/L	SW846-8270
3-Nitrobenzenamine	U	0.05 mg/L	SW846-8270
4-Aminobiphenyl	U	0.01 mg/L	SW846-8270
4-Bromophenyl phenyl ether	U	0.01 mg/L	SW846-8270
4-Chloro-3-methylphenol	U	0.02 mg/L	SW846-8270
4-Chlorobenzenamine	U	0.02 mg/L	SW846-8270
4-Chlorophenyl phenyl ether	U	0.01 mg/L	SW846-8270
4-Nitrobenzenamine	U	0.05 mg/L	SW846-8270
4-Nitrophenol	U	0.05 mg/L	SW846-8270
5-(2-Propenyl)-1,3-benzodioxole (Safr	U	0.01 mg/L	SW846-8270
5-Nitro-o-toluidine	U	0.01 mg/L	SW846-8270
7,12-Dimethylbenz(a)anthracene	U	0.01 mg/L	SW846-8270
Acenaphthene	U	0.01 mg/L	SW846-8270
Acenaphthylene	U	0.01 mg/L	SW846-8270
Acetophenone	U	0.01 mg/L	SW846-8270
Anthracene	U	0.01 mg/L	SW846-8270
Benz(a)anthracene	U	0.01 mg/L	SW846-8270
Benzenemethanol	U	0.02 mg/L	SW846-8270
Benzo(a)pyrene	U	0.01 mg/L	SW846-8270
Benzo(b)fluoranthene	U	0.01 mg/L	SW846-8270
Benzo(ghi)perylene	U	0.01 mg/L	SW846-8270
Benzo(k)fluoranthene	U	0.01 mg/L	SW846-8270
Bis(2-chloroethoxy)methane	U	0.01 mg/L	SW846-8270
Bis(2-chloroethyl) ether	U	0.01 mg/L	SW846-8270
Bis(2-chloroisopropyl) ether	U	0.01 mg/L	SW846-8270
Bis(2-ethylhexyl)phthalate	U	0.01 mg/L	SW846-8270
Butyl benzyl phthalate	U	0.01 mg/L	SW846-8270
Chlorobenzilate	U	0.01 mg/L	SW846-8270
Chrysene	U	0.01 mg/L	SW846-8270
Diallate	U	0.01 mg/L	SW846-8270
Dibenz(a,h)anthracene	U	0.01 mg/L	SW846-8270
Dibenzofuran	U	0.01 mg/L	SW846-8270
Diethyl phthalate	U	0.01 mg/L	SW846-8270
Dimethoate	U	0.01 mg/L	SW846-8270
Dimethyl phthalate	U	0.01 mg/L	SW846-8270
Di-n-butyl phthalate	U	0.01 mg/L	SW846-8270
Di-n-octylphthalate	U	0.01 mg/L	SW846-8270
Dinoseb	U	0.01 mg/L	SW846-8270
Diphenylamine	U	0.01 mg/L	SW846-8270
Disulfoton	U	0.01 mg/L	SW846-8270
Ethyl methanesulfonate	U	0.01 mg/L	SW846-8270
Fluoranthene	U	0.01 mg/L	SW846-8270
Fluorene	U	0.01 mg/L	SW846-8270
Hexachloro-1-propene	U	0.01 mg/L	SW846-8270
Hexachlorobenzene	U	0.0005 mg/L	SW846-8270
Hexachlorobutadiene	U	0.01 mg/L	SW846-8270
Hexachlorocyclopentadiene	U	0.01 mg/L	SW846-8270
Hexachloroethane	U	0.01 mg/L	SW846-8270
Indeno(1,2,3-cd)pyrene	U	0.01 mg/L	SW846-8270
Isodrin	U	0.01 mg/L	SW846-8270
Isophorone	U	0.01 mg/L	SW846-8270
Isosafrole	U	0.01 mg/L	SW846-8270

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Kepone	U	0.01	mg/L	SW846-8270
Methapyrilene	U	0.01	mg/L	SW846-8270
Methyl methanesulfonate	U	0.01	mg/L	SW846-8270
Methyl parathion	U	0.01	mg/L	SW846-8270
Naphthalene	U	0.01	mg/L	SW846-8270
Nitrobenzene	U	0.01	mg/L	SW846-8270
N-Nitrosodiethylamine	U	0.01	mg/L	SW846-8270
N-Nitrosodimethylamine	U	0.01	mg/L	SW846-8270
N-Nitroso-di-n-butylamine	U	0.01	mg/L	SW846-8270
N-Nitroso-di-n-propylamine	U	0.01	mg/L	SW846-8270
N-Nitrosodiphenylamine	U	0.01	mg/L	SW846-8270
N-Nitrosomethylethylamine	U	0.01	mg/L	SW846-8270
N-Nitrosopiperidine	U	0.01	mg/L	SW846-8270
N-Nitrosopyrrolidine	U	0.01	mg/L	SW846-8270
O,O,O-Triethylphosphorothioate	U	0.01	mg/L	SW846-8270
o-Toluidine	U	0.01	mg/L	SW846-8270
p-Dimethylaminoazobenzene	U	0.01	mg/L	SW846-8270
Pentachlorobenzene	U	0.01	mg/L	SW846-8270
Pentachlorodibenzofuran	U	1E-08	mg/L	SW846-8270
Pentachloronitrobenzene	U	0.01	mg/L	SW846-8270
Pentachlorophenol	U	0.05	mg/L	SW846-8270
Phenacetin	U	0.01	mg/L	SW846-8270
Phenanthrene	U	0.01	mg/L	SW846-8270
Phenol	U	0.01	mg/L	SW846-8270
Phorate	U	0.01	mg/L	SW846-8270
p-Phenylenediamine	U	0.01	mg/L	SW846-8270
Pronamide	U	0.01	mg/L	SW846-8270
Pyrene	U	0.01	mg/L	SW846-8270
Thionazin	U	0.01	mg/L	SW846-8270
<b>VOA</b>				
1,1,1,2-Tetrachloroethane	U	0.01	mg/L	SW846-8240
1,1,1-Trichloroethane	U	0.01	mg/L	SW846-8240
1,1,2,2-Tetrachloroethane	U	0.01	mg/L	SW846-8240
1,1,2-Trichloroethane	U	0.005	mg/L	SW846-8240
1,1-Dichloroethane	U	0.005	mg/L	SW846-8240
1,2,3-Trichloropropane	U	0.01	mg/L	SW846-8240
1,2-Dibromo-3-chloropropane	U	0.01	mg/L	SW846-8240
1,2-Dibromoethane	U	0.01	mg/L	SW846-8240
1,2-Dichloroethane	U	0.005	mg/L	SW846-8240
1,2-Dichloroethene	U	0.01	mg/L	SW846-8240
1,2-Dichloropropane	U	0.01	mg/L	SW846-8240
2-Butanone	U	0.02	mg/L	SW846-8240
2-Hexanone	U	0.015	mg/L	SW846-8240
4-Methyl-2-pentanone	U	0.01	mg/L	SW846-8240
Acetone	U	0.015	mg/L	SW846-8240
Acetonitrile	U	0.06	mg/L	SW846-8240
Acrolein	U	0.09	mg/L	SW846-8240
Acrylonitrile	U	0.095	mg/L	SW846-8240
Allyl chloride	U	0.015	mg/L	SW846-8240
Bromodichloromethane	U	0.01	mg/L	SW846-8240
Bromoform	U	0.01	mg/L	SW846-8240
Bromomethane	U	0.01	mg/L	SW846-8240
Carbon disulfide	U	0.01	mg/L	SW846-8240
Chlorobenzene	U	0.01	mg/L	SW846-8240
Chloroethane	U	0.01	mg/L	SW846-8240

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**C746U-95**

**C-746U Landfill Monitoring C746U-95**

Chloromethane	U	0.015	mg/L	SW846-8240
cis-1,3-Dichloropropene	U	0.015	mg/L	SW846-8240
cis-1,4-Dichloro-2-Butene	U	0.005	mg/L	SW846-8240
Dibromochloromethane	U	0.01	mg/L	SW846-8240
Dibromomethane	U	0.01	mg/L	SW846-8240
Ethyl cyanide	U	0.22	mg/L	SW846-8240
Ethylbenzene	U	0.01	mg/L	SW846-8240
Iodomethane	U	0.005	mg/L	SW846-8240
Isobutanol	U	2.8	mg/L	SW846-8240
Methacrylonitrile	U	0.02	mg/L	SW846-8240
Methyl methacrylate	U	0.02	mg/L	SW846-8240
Methylene chloride	U	0.01	mg/L	SW846-8240
Pentachloroethane	U	0.01	mg/L	SW846-8270
Styrene	U	0.005	mg/L	SW846-8240
Tetrachloroethene	U	0.01	mg/L	SW846-8240
Toluene	U	0.005	mg/L	SW846-8240
Total Xylene	U	0.015	mg/L	SW846-8240
trans-1,3-Dichloropropene	U	0.01	mg/L	SW846-8240
Trichloroethene		0.025	mg/L	SW846-8240
Trichlorofluoromethane	U	0.01	mg/L	SW846-8240
Vinyl acetate	U	0.01	mg/L	SW846-8240

**5372-95**

Collected: 1/18/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)		1	mg/L			W-150
Total Organic Halides (TOX)		0.021	mg/L			SW846-9020
<b>Field P</b>						
pH		6.1	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		377	umho/cm			SA-COND-1

**5373-95**

Collected: 1/18/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)		0.024	mg/L			SW846-9020
<b>Field P</b>						
pH		6.1	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		377	umho/cm			SA-COND-1

**MW276**

**C746U-95**

**C-746U Landfill Monitoring C746U-95**

**5374-95**

Collected: 1/18/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)		0.026	mg/L			SW846-9020
<b>Field P</b>						
pH		6.1	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		378	umho/cm			SA-COND-1

## MW276

## C746U-95

## C-746U Landfill Monitoring C746U-95

## 6250-95

Collected: 5/22/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Alkalinity M		94	mg/L			W-12
Alkalinity P	<	5	mg/L			W-12
Chloride		47.5	mg/L			SW846-9252
Cyanide	U	0.02	mg/L			SA-CN-1
Fluoride		0.17	mg/L			SA-F-7
Nitrate as Nitrogen	X	2	mg/L			SA-N-1
Sulfate		89	mg/L			SW846-9038
Sulfide	U	10	mg/L			SW846-9030
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)	U	0.005	mg/L			SW846-9020
<b>Field P</b>						
Depth to Water		34.86	ft			
Dissolved Oxygen		6	mg/L			
pH		5.9	Std Unit			
Temperature		60	deg F			
<b>METAL</b>						
Aluminum		0.089	mg/L			SW846-6010
Antimony	U	0.006	mg/L			SW846-7000
Barium	B	0.221	mg/L			SW846-6010
Beryllium	U	0.002	mg/L			SW846-6010
Cadmium	U	0.005	mg/L			SW846-7000
Calcium	E	25.6	mg/L			SW846-6010
Chromium	U	0.002	mg/L			SW846-7000
Cobalt	U	0.01	mg/L			SW846-6010
Copper	U	0.01	mg/L			SW846-6010
Iron		0.307	mg/L			SW846-6010
Lead	U	0.003	mg/L			SW846-7000
Magnesium	E	10.4	mg/L			SW846-6010
Manganese	B	0.0151	mg/L			SW846-6010
Mercury	U	0.002	mg/L			SW846-7000
Nickel	U	0.01	mg/L			SW846-6010
Potassium	B	1.67	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7000
Silver	U	0.01	mg/L			SW846-6010
Sodium	E	30.9	mg/L			SW846-6010
Thallium	U	0.002	mg/L			SW846-7000
Tin	U	4	mg/L			SW846-7870
Uranium	U	0.001	mg/L			SA-U-8
Vanadium	U	0.01	mg/L			SW846-6010
Zinc	U	0.1	mg/L			SW846-6010
<b>PHYSC</b>						
Chemical Oxygen Demand (COD)	<	5	mg/L			W-40
Dissolved Solids		185	mg/L			IN7475
Specific Conductivity (PIP)		377	umho/cm			SA-COND-1
<b>PCCB</b>						
2,4,5-T	U	0.00107	mg/L			SW846-8150
2,4-D	U	0.0107	mg/L			SW846-8150
4,4'-DDD	U	0.01	mg/L			SW846-8080
4,4'-DDE	U	0.01	mg/L			SW846-8080

**MW276**

**C746U-95**

**C-746U Landfill Monitoring C746U-95**

4,4'-DDT	U	0.01	mg/L		SW846-8080
Aldrin	U	0.01	mg/L		SW846-8080
alpha-BHC	U	0.01	mg/L		SW846-8080
beta-BHC	U	0.04	mg/L		SW846-8080
Chlordene	U	0.002	mg/L		SW846-8080
delta-BHC	U	0.03	mg/L		SW846-8080
Dieldrin	U	0.01	mg/L		SW846-8080
Endosulfan I	U	0.01	mg/L		SW846-8080
Endosulfan II	U	0.00005	mg/L		SW846-8080
Endosulfan sulfate	U	0.01	mg/L		SW846-8080
Endrin	U	0.0002	mg/L		SW846-8080
Endrin aldehyde	U	0.01	mg/L		SW846-8080
Heptachlor	U	0.0004	mg/L		SW846-8080
Heptachlor epoxide	U	0.0002	mg/L		SW846-8080
Lindane	U	0.0002	mg/L		SW846-8080
Methoxychlor	U	0.04	mg/L		SW846-8080
PCB-1016	U	0.0001	mg/L		SW846-8080
PCB-1221	U	0.0001	mg/L		SW846-8080
PCB-1232	U	0.0001	mg/L		SW846-8080
PCB-1242	U	0.0001	mg/L		SW846-8080
PCB-1248	U	0.0001	mg/L		SW846-8080
PCB-1254	U	0.0001	mg/L		SW846-8080
PCB-1260	U	0.0011	mg/L		SW846-8080
Silvex	U	0.00107	mg/L		SW846-8150
Toxaphene	U	0.003	mg/L		SW846-8080

**RADS**

Alpha activity	U	1000	pCi/L		R-56
Alpha activity		3.8	pCi/L	1.7	R-4
Beta activity	U	1000	pCi/L		R-56
Beta activity		18	pCi/L	3	R-4
Technetium-99		33	pCi/L	12	R-46

**SVOA**

1,2,4,5-Tetrachlorobenzene	U	0.01	mg/L		SW846-8270
1,2,4-Trichlorobenzene	U	0.01	mg/L		SW846-8270
1,2-Dichlorobenzene	U	0.01	mg/L		SW846-8270
1,3,5-Trinitrobenzene	U	0.01	mg/L		SW846-8270
1,3-Dichlorobenzene	U	0.01	mg/L		SW846-8270
1,3-Dinitrobenzene	U	0.01	mg/L		SW846-8270
1,4-Dichlorobenzene	U	0.01	mg/L		SW846-8270
1,4-Dioxane	U	0.15	mg/L		SW846-8015
1,4-Naphthoquinone	U	0.01	mg/L		SW846-8270
1-Naphthalenamine	U	0.01	mg/L		SW846-8270
2,3,4,6-Tetrachlorophenol	U	0.01	mg/L		SW846-8270
2,4,5-Trichlorophenol	U	0.01	mg/L		SW846-8270
2,4,6-Trichlorophenol	U	0.01	mg/L		SW846-8270
2,4-Dichlorophenol	U	0.01	mg/L		SW846-8270
2,4-Dimethylphenol	U	0.01	mg/L		SW846-8270
2,4-Dinitrophenol	U	0.01	mg/L		SW846-8270
2,4-Dinitrotoluene	U	0.01	mg/L		SW846-8270
2,6-Dichlorophenol	U	0.01	mg/L		SW846-8270
2,6-Dinitrotoluene	U	0.01	mg/L		SW846-8270
2-Acetylaminofluorene	U	0.01	mg/L		SW846-8270
2-Chloronaphthalene	U	0.01	mg/L		SW846-8270
2-Chlorophenol	U	0.01	mg/L		SW846-8270
2-Methyl-4,6-dinitrophenol	U	0.01	mg/L		SW846-8270



## MW276

## C746U-95

## C-746U Landfill Monitoring C746U-95

2-Methylnaphthalene	U	0.01	mg/L	SW846-8270
2-Methylphenol	U	0.01	mg/L	SW846-8270
2-Naphthalenamine	U	0.01	mg/L	SW846-8270
2-Nitrobenzenamine	U	0.01	mg/L	SW846-8270
2-Nitrophenol	U	0.01	mg/L	SW846-8270
3,3'-Dichlorobenzidine	U	0.01	mg/L	SW846-8270
3,3'-Dimethylbenzidine	U	0.01	mg/L	SW846-8270
3-Methylcholanthrene	U	0.01	mg/L	SW846-8270
3-Nitrobenzenamine	U	0.01	mg/L	SW846-8270
4-Aminobiphenyl	U	0.01	mg/L	SW846-8270
4-Bromophenyl phenyl ether	U	0.01	mg/L	SW846-8270
4-Chloro-3-methylphenol	U	0.01	mg/L	SW846-8270
4-Chlorobenzenamine	U	0.01	mg/L	SW846-8270
4-Chlorophenyl phenyl ether	U	0.01	mg/L	SW846-8270
4-Methylphenol	U	0.01	mg/L	SW846-8270
4-Nitrobenzenamine	U	0.01	mg/L	SW846-8270
4-Nitrophenol	U	0.01	mg/L	SW846-8270
5-(2-Propenyl)-1,3-benzodioxole (Safr	U	0.01	mg/L	SW846-8270
5-Nitro-o-toluidine	U	0.01	mg/L	SW846-8270
7,12-Dimethylbenz(a)anthracene	U	0.01	mg/L	SW846-8270
Acenaphthene	U	0.01	mg/L	SW846-8270
Acenaphthylene	U	0.01	mg/L	SW846-8270
Acetophenone	U	0.01	mg/L	SW846-8270
Anthracene	U	0.01	mg/L	SW846-8270
Benz(a)anthracene	U	0.01	mg/L	SW846-8270
Benzenemethanol	U	0.01	mg/L	SW846-8270
Benzo(a)pyrene	U	0.001	mg/L	SW846-8270
Benzo(b)fluoranthene	U	0.01	mg/L	SW846-8270
Benzo(ghi)perylene	U	0.01	mg/L	SW846-8270
Benzo(k)fluoranthene	U	0.01	mg/L	SW846-8270
Bis(2-chloroethoxy)methane	U	0.01	mg/L	SW846-8270
Bis(2-chloroethyl) ether	U	0.01	mg/L	SW846-8270
Bis(2-chloroisopropyl) ether	U	0.01	mg/L	SW846-8270
Bis(2-ethylhexyl)phthalate	U	0.01	mg/L	SW846-8270
Butyl benzyl phthalate	U	0.01	mg/L	SW846-8270
Chlorobenzilate	U	0.01	mg/L	SW846-8270
Chrysene	U	0.01	mg/L	SW846-8270
Diallate	U	0.01	mg/L	SW846-8270
Dibenz(a,h)anthracene	U	0.01	mg/L	SW846-8270
Dibenzofuran	U	0.01	mg/L	SW846-8270
Diethyl phthalate	U	0.01	mg/L	SW846-8270
Dimethoate	U	0.01	mg/L	SW846-8270
Dimethyl phthalate	U	0.01	mg/L	SW846-8270
Di-n-butyl phthalate	U	0.01	mg/L	SW846-8270
Di-n-octylphthalate	U	0.01	mg/L	SW846-8270
Dinoseb	U	0.00536	mg/L	SW846-8150
Diphenylamine	U	0.01	mg/L	SW846-8270
Disulfoton	U	0.01	mg/L	SW846-8270
Ethyl methanesulfonate	U	0.01	mg/L	SW846-8270
Fluoranthene	U	0.01	mg/L	SW846-8270
Fluorene	U	0.01	mg/L	SW846-8270
Hexachloro-1-propene	U	0.01	mg/L	SW846-8270
Hexachlorobenzene	U	0.001	mg/L	SW846-8270
Hexachlorobutadiene	U	0.01	mg/L	SW846-8270
Hexachlorocyclopentadiene	U	0.01	mg/L	SW846-8270

**MW276****C746U-95****C-746U Landfill Monitoring C746U-95**

Hexachloroethane	U	0.01 mg/L	SW846-8270
Indeno(1,2,3-cd)pyrene	U	0.01 mg/L	SW846-8270
Isodrin	U	0.01 mg/L	SW846-8270
Isophorone	U	0.01 mg/L	SW846-8270
Isosafrole	U	0.01 mg/L	SW846-8270
Kepone	U	0.01 mg/L	SW846-8270
Methapyrilene	U	0.01 mg/L	SW846-8270
Methyl methanesulfonate	U	0.01 mg/L	SW846-8270
Methyl parathion	U	0.01 mg/L	SW846-8270
Naphthalene	U	0.01 mg/L	SW846-8270
Nitrobenzene	U	0.01 mg/L	SW846-8270
N-Nitrosodiethylamine	U	0.01 mg/L	SW846-8270
N-Nitrosodimethylamine	U	0.01 mg/L	SW846-8270
N-Nitroso-di-n-butylamine	U	0.01 mg/L	SW846-8270
N-Nitroso-di-n-propylamine	U	0.01 mg/L	SW846-8270
N-Nitrosodiphenylamine	U	0.01 mg/L	SW846-8270
N-Nitrosomethylethylamine	U	0.01 mg/L	SW846-8270
N-Nitrosopiperidine	U	0.01 mg/L	SW846-8270
N-Nitrosopyrrolidine	U	0.01 mg/L	SW846-8270
O,O,O-Triethylphosphorothioate	U	0.01 mg/L	SW846-8270
o-Toluidine	U	0.01 mg/L	SW846-8270
Parathion	U	0.01 mg/L	SW846-8270
p-Dimethylaminoazobenzene	U	0.01 mg/L	SW846-8270
Pentachlorobenzene	U	0.01 mg/L	SW846-8270
Pentachlorodibenzofuran	U	1E-08 mg/L	SW846-8270
Pentachloronitrobenzene	U	0.01 mg/L	SW846-8270
Pentachlorophenol	U	0.001 mg/L	SW846-8270
Phenacetin	U	0.01 mg/L	SW846-8270
Phenanthrene	U	0.01 mg/L	SW846-8270
Phenol	U	0.001 mg/L	SW846-8270
Phorate	U	0.01 mg/L	SW846-8270
p-Phenylenediamine	U	0.01 mg/L	SW846-8270
Pronamide	U	0.01 mg/L	SW846-8270
Pyrene	U	0.01 mg/L	SW846-8270
Thionazin	U	0.01 mg/L	SW846-8270

**VOA**

1,1,1,2-Tetrachloroethane	U	0.005 mg/L	SW846-8260
1,1,1-Trichloroethane	U	0.005 mg/L	SW846-8240
1,1,2,2-Tetrachloroethane	U	0.005 mg/L	SW846-8240
1,1,2-Trichloroethane	U	0.005 mg/L	SW846-8240
1,1-Dichloroethane	U	0.005 mg/L	SW846-8240
1,1-Dichloropropene	U	0.005 mg/L	SW846-8260
1,2,3-Trichloropropane	U	0.01 mg/L	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.0002 mg/L	SW846-8260
1,2-Dibromoethane	U	0.00005 mg/L	SW846-8260
1,2-Dichloroethane	U	0.005 mg/L	SW846-8240
1,2-Dichloropropane	U	0.005 mg/L	SW846-8240
1,3-Dichloropropane	U	0.0003 mg/L	SW846-8260
2,2-Dichloropropane	U	0.0005 mg/L	SW846-8260
2-Butanone	U	0.005 mg/L	SW846-8240
2-Chloro-1,3-butadiene	U	0.005 mg/L	SW846-8240
2-Hexanone	U	0.005 mg/L	SW846-8240
3-Methylphenol	U	0.01 mg/L	SW846-8270
4-Methyl-2-pentanone	U	0.005 mg/L	SW846-8240
Acetone	U	0.005 mg/L	SW846-8240

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**C746U-95**

**C-746U Landfill Monitoring C746U-95**

Acetonitrile	U	0.05	mg/L	SW846-8015
Acrolein	U	0.005	mg/L	SW846-8260
Acrylonitrile	U	0.005	mg/L	SW846-8260
Allyl chloride	U	0.1	mg/L	SW846-8260
Benzene	U	0.005	mg/L	SW846-8240
Bromochloromethane	U	0.005	mg/L	SW846-8260
Bromodichloromethane	U	0.005	mg/L	SW846-8240
Bromoform	U	0.005	mg/L	SW846-8240
Bromomethane	U	0.005	mg/L	SW846-8240
Carbon disulfide	U	0.005	mg/L	SW846-8240
Carbon tetrachloride	U	0.005	mg/L	SW846-8240
Chlorobenzene	U	0.005	mg/L	SW846-8240
Chloroethane	U	0.005	mg/L	SW846-8240
Chloromethane	U	0.005	mg/L	SW846-8240
cis-1,2-Dichloroethene	U	0.07	mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	SW846-8240
Dibromochloromethane	U	0.005	mg/L	SW846-8240
Dibromomethane	U	0.005	mg/L	SW846-8240
Dichlorodifluoromethane	U	0.005	mg/L	SW846-8240
Ethyl cyanide	U	0.06	mg/L	SW846-8260
Ethylbenzene	U	0.005	mg/L	SW846-8240
Iodomethane	U	0.005	mg/L	SW846-8240
Isobutanol	U	0.05	mg/L	SW846-8015
Methacrylonitrile	U	0.005	mg/L	SW846-8260
Methyl methacrylate	U	0.005	mg/L	SW846-8260
Methylene chloride	U	0.005	mg/L	SW846-8240
Pentachloroethane	U	0.01	mg/L	SW846-8260
Styrene	U	0.005	mg/L	SW846-8240
Tetrachloroethene	U	0.005	mg/L	SW846-8240
Toluene	U	0.005	mg/L	SW846-8240
Total Xylene	U	0.005	mg/L	SW846-8240
trans-1,2-Dichloroethene	U	0.1	mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	SW846-8240
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L	SW846-8240
Trichloroethene	E	0.026	mg/L	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L	SW846-8240
Vinyl acetate	U	0.005	mg/L	SW846-8260

**6251-95**

Collected: 5/22/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)	J	0.022	mg/L			SW846-9020
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		377	umho/cm			SA-COND-1

**MW276**

**C746U-95**

**C-746U Landfill Monitoring C746U-95**

**6252-95**

Collected: 5/22/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)	J	0.02	mg/L			SW846-9020
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		377	umho/cm			SA-COND-1

**6253-95**

Collected: 5/22/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)	J	0.024	mg/L			SW846-9020
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		377	umho/cm			SA-COND-1

**MW276**

**C746U-95**

**C-746U Landfill Monitoring C746U-95**

**7330-95**

Collected: 9/5/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Sulfide	U	1	mg/L			SW846-9030
<b>Field P</b>						
Depth to Water		34.51	ft			
Dissolved Oxygen		4.31	mg/L			
pH		5.7	Std Unit			
Temperature		61	deg F			
<b>PPCB</b>						
Endrin aldehyde	U	0.01	mg/L			SW846-8270
<b>RADS</b>						
Alpha activity	U	1000	pCi/L			R-56
Beta activity	U	1000	pCi/L			R-56
<b>SVOA</b>						
1,3-Dinitrobenzene	U	0.01	mg/L			SW846-8270
4-Methylphenol	U	0.01	mg/L			SW846-8270
Parathion	U	0.01	mg/L			SW846-8270
<b>VOA</b>						
1,1-Dichloropropene	U	0.001	mg/L			SW846-8260
1,3-Dichloropropane	U	0.0003	mg/L			SW846-8260
2,2-Dichloropropane	U	0.0005	mg/L			SW846-8260
2-Chloro-1,3-butadiene	U	0.001	mg/L			SW846-8260
3-Methylphenol	U	0.01	mg/L			SW846-8270
Benzene	U	0.001	mg/L			SW846-8260
Bromochloromethane	U	0.001	mg/L			SW846-8260
Carbon tetrachloride	U	0.001	mg/L			SW846-8260
cis-1,4-Dichloro-2-Butene	U	0.001	mg/L			SW846-8260
Dichlorodifluoromethane	U	0.001	mg/L			SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.001	mg/L			SW846-8260
Vinyl chloride	U	0.001	mg/L			SW846-8260

## MW277

## C746U-95

## C-746U Landfill Monitoring C746U-95

## 5367-95

Collected: 1/18/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Alkalinity M		80	mg/L			W-12
Alkalinity P	<	5	mg/L			W-12
Chloride		49	mg/L			SW846-9252
Cyanide	U	0.02	mg/L			SA-CN-1
Fluoride		0.14	mg/L			SA-F-7
Nitrate as Nitrogen		1.4	mg/L			SA-N-1
Sulfate		12	mg/L			SW846-9038
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)	J	0.02	mg/L			SW846-9020
<b>Field P</b>						
Depth to Water		38.91	ft			
Dissolved Oxygen		5.92	mg/L			
pH		6.1	Std Unit			
Temperature		59	deg F			
<b>METAL</b>						
Aluminum		0.04	mg/L			SW846-6010
Barium		0.25	mg/L			SW846-6010
Beryllium	U	0.0003	mg/L			SW846
Cadmium	U	0.002	mg/L			SW846
Calcium		24	mg/L			SW846-6010
Chromium	U	0.01	mg/L			SW846-7191
Cobalt	U	0.005	mg/L			SW846
Copper	U	0.004	mg/L			SW846-6010
Iron	U	0.005	mg/L			SW846
Magnesium		9.7	mg/L			SW846-6010
Manganese		0.14	mg/L			SW846
Mercury	U	0.0002	mg/L			SW846
Nickel	U	0.01	mg/L			SW846
Potassium		2.1	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	U	0.006	mg/L			SW846
Sodium		29	mg/L			SW846
Thallium	U	0.01	mg/L			SW846-7841
Tin	U	0.01	mg/L			SW846
Uranium	U	0.001	mg/L			SA-U-8
Vanadium	U	0.005	mg/L			SW846-6010
Zinc		0.009	mg/L			SW846
<b>PHYSIC</b>						
Chemical Oxygen Demand (COD)	<	5	mg/L			W-40
Dissolved Solids		230	mg/L			W-140
Specific Conductivity (PIP)		367	umho/cm			SA-COND-1
<b>PCPB</b>						
2,4,5-T	U	2.3E-05	mg/L			SW846-8150
2,4-D	U	4.7E-05	mg/L			SW846-8150
4,4'-DDD	U	0.0001	mg/L			SW846
4,4'-DDE	U	0.0001	mg/L			SW846-8080
4,4'-DDT	U	0.0001	mg/L			SW846
Aldrin	U	0.00005	mg/L			SW846-8080
alpha-BHC	U	0.00005	mg/L			SW846-8080

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**C746U-95**

**C-746U Landfill Monitoring C746U-95**

alpha-Chlordane	U	0.00005	mg/L		SW846
beta-BHC	U	0.00005	mg/L		SW846-8080
delta-BHC	U	0.00005	mg/L		SW846
Dieldrin	U	0.0001	mg/L		SW846-8080
Endosulfan I	U	0.00005	mg/L		SW846
Endosulfan II	U	0.0001	mg/L		SW846-8080
Endosulfan sulfate	U	0.0001	mg/L		SW846
Endrin	U	0.0001	mg/L		SW846-8080
gamma-Chlordane	U	0.00005	mg/L		SW846
Heptachlor	U	0.00005	mg/L		SW846-8080
Heptachlor epoxide	U	0.00005	mg/L		SW846
Lindane	U	0.00005	mg/L		SW846-8080
Methoxychlor	U	0.0005	mg/L		SW846-8080
PCB-1016	U	0.0005	mg/L		SW846
PCB-1221	U	0.0005	mg/L		SW846-8080
PCB-1232	U	0.0005	mg/L		SW846
PCB-1242	U	0.0005	mg/L		SW846-8080
PCB-1248	U	0.0005	mg/L		SW846
PCB-1254	U	0.0005	mg/L		SW846-8080
PCB-1260	U	0.0005	mg/L		SW846
Silvex	U	4.7E-05	mg/L		SW846-8150
Toxaphene	U	0.001	mg/L		SW846

**RADS**

Alpha activity	U	1000	pCi/L		R
Alpha activity		1.7	pCi/L	1.2	R-4
Beta activity		8	pCi/L	3	R-4
Beta activity	U	1000	pCi/L		R
Technetium-99		16	pCi/L	19	R-46

**SVOA**

1,2,4,5-Tetrachlorobenzene	U	0.01	mg/L		SW846-8270
1,2,4-Trichlorobenzene	U	0.01	mg/L		SW846-8270
1,2-Dichlorobenzene	U	0.01	mg/L		SW846-8270
1,3,5-Trinitrobenzene	U	0.01	mg/L		SW846-8270
1,3-Dichlorobenzene	U	0.01	mg/L		SW846-8270
1,4-Dichlorobenzene	U	0.01	mg/L		SW846-8270
1,4-Dioxane	U	0.01	mg/L		SW846-8270
1,4-Naphthoquinone	U	0.01	mg/L		SW846-8270
1-Naphthalenamine	U	0.01	mg/L		SW846-8270
2,3,4,6-Tetrachlorophenol	U	0.01	mg/L		SW846-8270
2,4,5-Trichlorophenol	U	0.01	mg/L		SW846-8270
2,4,6-Trichlorophenol	U	0.01	mg/L		SW846-8270
2,4-Dichlorophenol	U	0.01	mg/L		SW846-8270
2,4-Dimethylphenol	U	0.01	mg/L		SW846-8270
2,4-Dinitrophenol	U	0.05	mg/L		SW846-8270
2,4-Dinitrotoluene	U	0.01	mg/L		SW846-8270
2,6-Dichlorophenol	U	0.01	mg/L		SW846-8270
2,6-Dinitrotoluene	U	0.01	mg/L		SW846-8270
2-Acetylaminofluorene	U	0.01	mg/L		SW846-8270
2-Chloronaphthalene	U	0.01	mg/L		SW846-8270
2-Chlorophenol	U	0.01	mg/L		SW846-8270
2-Methyl-4,6-dinitrophenol	U	0.01	mg/L		SW846-8270
2-Methylnaphthalene	U	0.01	mg/L		SW846-8270
2-Methylphenol	U	0.01	mg/L		SW846-8270
2-Naphthalenamine	U	0.01	mg/L		SW846-8270
2-Nitrobenzenamine	U	0.05	mg/L		SW846-8270

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## C746U-95

## C-746U Landfill Monitoring C746U-95

2-Nitrophenol	U	0.01	mg/L	SW846-8270
3,3'-Dichlorobenzidine	U	0.02	mg/L	SW846-8270
3,3'-Dimethylbenzidine	U	0.01	mg/L	SW846-8270
3-Methylcholanthrene	U	0.01	mg/L	SW846-8270
3-Nitrobenzenamine	U	0.05	mg/L	SW846-8270
4-Aminobiphenyl	U	0.01	mg/L	SW846-8270
4-Bromophenyl phenyl ether	U	0.01	mg/L	SW846-8270
4-Chloro-3-methylphenol	U	0.02	mg/L	SW846-8270
4-Chlorobenzenamine	U	0.02	mg/L	SW846-8270
4-Chlorophenyl phenyl ether	U	0.01	mg/L	SW846-8270
4-Nitrobenzenamine	U	0.05	mg/L	SW846-8270
4-Nitrophenol	U	0.05	mg/L	SW846-8270
5-(2-Propenyl)-1,3-benzodioxole (Safr	U	0.01	mg/L	SW846-8270
5-Nitro-o-toluidine	U	0.01	mg/L	SW846-8270
7,12-Dimethylbenz(a)anthracene	U	0.01	mg/L	SW846-8270
Acenaphthene	U	0.01	mg/L	SW846-8270
Acenaphthylene	U	0.01	mg/L	SW846-8270
Acetophenone	U	0.01	mg/L	SW846-8270
Anthracene	U	0.01	mg/L	SW846-8270
Benz(a)anthracene	U	0.01	mg/L	SW846-8270
Benzenemethanol	U	0.02	mg/L	SW846-8270
Benzo(a)pyrene	U	0.01	mg/L	SW846-8270
Benzo(b)fluoranthene	U	0.01	mg/L	SW846-8270
Benzo(ghi)perylene	U	0.01	mg/L	SW846-8270
Benzo(k)fluoranthene	U	0.01	mg/L	SW846-8270
Bis(2-chloroethoxy)methane	U	0.01	mg/L	SW846-8270
Bis(2-chloroethyl) ether	U	0.01	mg/L	SW846-8270
Bis(2-chloroisopropyl) ether	U	0.01	mg/L	SW846-8270
Bis(2-ethylhexyl)phthalate	U	0.01	mg/L	SW846-8270
Butyl benzyl phthalate	U	0.01	mg/L	SW846-8270
Chlorobenzilate	U	0.01	mg/L	SW846-8270
Chrysene	U	0.01	mg/L	SW846-8270
Diallate	U	0.01	mg/L	SW846-8270
Dibenz(a,h)anthracene	U	0.01	mg/L	SW846-8270
Dibenzofuran	U	0.01	mg/L	SW846-8270
Diethyl phthalate	U	0.01	mg/L	SW846-8270
Dimethoate	U	0.01	mg/L	SW846-8270
Dimethyl phthalate	U	0.01	mg/L	SW846-8270
Di-n-butyl phthalate	U	0.01	mg/L	SW846-8270
Di-n-octylphthalate	U	0.01	mg/L	SW846-8270
Dinoseb	U	0.01	mg/L	SW846-8270
Diphenylamine	U	0.01	mg/L	SW846-8270
Disulfoton	U	0.01	mg/L	SW846-8270
Ethyl methanesulfonate	U	0.01	mg/L	SW846-8270
Fluoranthene	U	0.01	mg/L	SW846-8270
Fluorene	U	0.01	mg/L	SW846-8270
Hexachloro-1-propene	U	0.01	mg/L	SW846-8270
Hexachlorobenzene	U	0.0005	mg/L	SW846-8270
Hexachlorobutadiene	U	0.01	mg/L	SW846-8270
Hexachlorocyclopentadiene	U	0.01	mg/L	SW846-8270
Hexachloroethane	U	0.01	mg/L	SW846-8270
Indeno(1,2,3-cd)pyrene	U	0.01	mg/L	SW846-8270
Isodrin	U	0.01	mg/L	SW846-8270
Isophorone	U	0.01	mg/L	SW846-8270
Isosafrole	U	0.01	mg/L	SW846-8270



**MW277****C746U-95****C-746U Landfill Monitoring C746U-95**

Kepone	U	0.01	mg/L	SW846-8270
Methapyrilene	U	0.01	mg/L	SW846-8270
Methyl methanesulfonate	U	0.01	mg/L	SW846-8270
Methyl parathion	U	0.01	mg/L	SW846-8270
Naphthalene	U	0.01	mg/L	SW846-8270
Nitrobenzene	U	0.01	mg/L	SW846-8270
N-Nitrosodiethylamine	U	0.01	mg/L	SW846-8270
N-Nitrosodimethylamine	U	0.01	mg/L	SW846-8270
N-Nitroso-di-n-butylamine	U	0.01	mg/L	SW846-8270
N-Nitroso-di-n-propylamine	U	0.01	mg/L	SW846-8270
N-Nitrosodiphenylamine	U	0.01	mg/L	SW846-8270
N-Nitrosomethylethylamine	U	0.01	mg/L	SW846-8270
N-Nitrosopiperidine	U	0.01	mg/L	SW846-8270
N-Nitrosopyrrolidine	U	0.01	mg/L	SW846-8270
O,O,O-Triethylphosphorothioate	U	0.01	mg/L	SW846-8270
o-Toluidine	U	0.01	mg/L	SW846-8270
p-Dimethylaminoazobenzene	U	0.01	mg/L	SW846-8270
Pentachlorobenzene	U	0.01	mg/L	SW846-8270
Pentachlorodibenzofuran	U	1E-08	mg/L	SW846-8270
Pentachloronitrobenzene	U	0.01	mg/L	SW846-8270
Pentachlorophenol	U	0.05	mg/L	SW846-8270
Phenacetin	U	0.01	mg/L	SW846-8270
Phenanthrene	U	0.01	mg/L	SW846-8270
Phenol	U	0.01	mg/L	SW846-8270
Phorate	U	0.01	mg/L	SW846-8270
p-Phenylenediamine	U	0.01	mg/L	SW846-8270
Pronamide	U	0.01	mg/L	SW846-8270
Pyrene	U	0.01	mg/L	SW846-8270
Thionazin	U	0.01	mg/L	SW846-8270
<b>VOA</b>				
1,1,1,2-Tetrachloroethane	U	0.01	mg/L	SW846-8240
1,1,1-Trichloroethane	U	0.01	mg/L	SW846-8240
1,1,1,2,2-Tetrachloroethane	U	0.01	mg/L	SW846-8240
1,1,2-Trichloroethane	U	0.005	mg/L	SW846-8240
1,1-Dichloroethane	U	0.005	mg/L	SW846-8240
1,2,3-Trichloropropane	U	0.01	mg/L	SW846-8240
1,2-Dibromo-3-chloropropane	U	0.01	mg/L	SW846-8240
1,2-Dibromoethane	U	0.01	mg/L	SW846-8240
1,2-Dichloroethane	U	0.005	mg/L	SW846-8240
1,2-Dichloroethene	J	0.001	mg/L	SW846-8240
1,2-Dichloropropane	U	0.01	mg/L	SW846-8240
2-Butanone	U	0.02	mg/L	SW846-8240
2-Hexanone	U	0.015	mg/L	SW846-8240
4-Methyl-2-pentanone	U	0.01	mg/L	SW846-8240
Acetone	U	0.015	mg/L	SW846-8240
Acetonitrile	U	0.06	mg/L	SW846-8240
Acrolein	U	0.09	mg/L	SW846-8240
Acrylonitrile	U	0.095	mg/L	SW846-8240
Allyl chloride	U	0.015	mg/L	SW846-8240
Bromodichloromethane	U	0.01	mg/L	SW846-8240
Bromoform	U	0.01	mg/L	SW846-8240
Bromomethane	U	0.01	mg/L	SW846-8240
Carbon disulfide	U	0.01	mg/L	SW846-8240
Chlorobenzene	U	0.01	mg/L	SW846-8240
Chloroethane	U	0.01	mg/L	SW846-8240

**MW277**

**C746U-95**

**C-746U Landfill Monitoring C746U-95**

Chloromethane	U	0.015	mg/L	SW846-8240
cis-1,3-Dichloropropene	U	0.015	mg/L	SW846-8240
cis-1,4-Dichloro-2-Butene	U	0.005	mg/L	SW846-8240
Dibromochloromethane	U	0.01	mg/L	SW846-8240
Dibromomethane	U	0.01	mg/L	SW846-8240
Ethyl cyanide	U	0.22	mg/L	SW846-8240
Ethylbenzene	U	0.01	mg/L	SW846-8240
Iodomethane	U	0.005	mg/L	SW846-8240
Isobutanol	U	2.8	mg/L	SW846-8240
Methacrylonitrile	U	0.02	mg/L	SW846-8240
Methyl methacrylate	U	0.02	mg/L	SW846-8240
Methylene chloride	U	0.01	mg/L	SW846-8240
Pentachloroethane	U	0.01	mg/L	SW846-8270
Styrene	U	0.005	mg/L	SW846-8240
Tetrachloroethene	U	0.01	mg/L	SW846-8240
Toluene	U	0.005	mg/L	SW846-8240
Total Xylene	U	0.015	mg/L	SW846-8240
trans-1,3-Dichloropropene	U	0.01	mg/L	SW846-8240
Trichloroethene		0.026	mg/L	SW846-8240
Trichlorofluoromethane	U	0.01	mg/L	SW846-8240
Vinyl acetate	U	0.01	mg/L	SW846-8240

**5368-95**

Collected: 1/18/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)	J	0.017	mg/L			SW846-9020
<b>Field P</b>						
pH		6.1	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		367	umho/cm			SA-COND-1

**5369-95**

Collected: 1/18/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)	J	0.019	mg/L			SW846-9020
<b>Field P</b>						
pH		6.1	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		367	umho/cm			SA-COND-1

**MW277**

**C746U-95**

**C-746U Landfill Monitoring C746U-95**

**5370-95**

Collected: 1/18/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)	J	0.016	mg/L			SW846-9020
<b>Field P</b>						
pH		6.1	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		367	umho/cm			SA-COND-1

MW277

C746U-95

C-746U Landfill Monitoring C746U-95

6254-95

Collected: 5/22/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Alkalinity M		89	mg/L			W-12
Alkalinity P	<	5	mg/L			W-12
Chloride		38	mg/L			SW846-9252
Cyanide	U	0.02	mg/L			SA-CN-1
Fluoride		0.13	mg/L			SA-F-7
Nitrate as Nitrogen	X	2.1	mg/L			SA-N-1
Sulfate		12.5	mg/L			SW846-9038
Sulfide	U	10	mg/L			SW846-9030
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)		0.02	mg/L			SW846-9020
<b>Field P</b>						
Depth to Water		35.33	ft			
Dissolved Oxygen		2.93	mg/L			
pH		5.9	Std Unit			
Temperature		59	deg F			
<b>METAL</b>						
Aluminum	U	0.05	mg/L			SW846-6010
Antimony	U	0.006	mg/L			SW846-7000
Barium	B	0.227	mg/L			SW846-6010
Beryllium	U	0.002	mg/L			SW846-6010
Cadmium	U	0.005	mg/L			SW846-7000
Calcium	E	25.5	mg/L			SW846-6010
Chromium	U	0.002	mg/L			SW846-7000
Cobalt	U	0.01	mg/L			SW846-6010
Copper	U	0.01	mg/L			SW846-6010
Iron	B	0.0371	mg/L			SW846-6010
Lead	U	0.003	mg/L			SW846-7000
Magnesium	E	10.3	mg/L			SW846-6010
Manganese		0.104	mg/L			SW846-6010
Mercury	U	0.002	mg/L			SW846-7000
Nickel	B	0.0428	mg/L			SW846-6010
Potassium		2.24	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7000
Silver	U	0.01	mg/L			SW846-6010
Sodium	E	29	mg/L			SW846-6010
Thallium	U	0.002	mg/L			SW846-7000
Tin	U	4	mg/L			SW846-7870
Uranium	U	0.001	mg/L			SA-U-8
Vanadium	U	0.01	mg/L			SW846-6010
Zinc	B	0.0113	mg/L			SW846-6010
<b>PHYSIC</b>						
Chemical Oxygen Demand (COD)	<	5	mg/L			W-40
Dissolved Solids		195	mg/L			IN7475
Specific Conductivity (PIP)		374	umho/cm			SA-COND-1
<b>PCPB</b>						
2,4,5-T	U	0.00107	mg/L			SW846-8150
2,4-D	U	0.0107	mg/L			SW846-8150
4,4'-DDD	U	0.01	mg/L			SW846-8080
4,4'-DDE	U	0.01	mg/L			SW846-8080

**MW277****C746U-95****C-746U Landfill Monitoring C746U-95**

4,4'-DDT	U	0.01	mg/L	SW846-8080
Aldrin	U	0.01	mg/L	SW846-8080
alpha-BHC	U	0.01	mg/L	SW846-8080
beta-BHC	U	0.04	mg/L	SW846-8080
Chlordene	U	0.002	mg/L	SW846-8080
delta-BHC	U	0.03	mg/L	SW846-8080
Dieldrin	U	0.01	mg/L	SW846-8080
Endosulfan I	U	0.01	mg/L	SW846-8080
Endosulfan II	U	0.00005	mg/L	SW846-8080
Endosulfan sulfate	U	0.01	mg/L	SW846-8080
Endrin	U	0.0002	mg/L	SW846-8080
Endrin aldehyde	U	0.01	mg/L	SW846-8080
Heptachlor	U	0.0004	mg/L	SW846-8080
Heptachlor epoxide	U	0.0002	mg/L	SW846-8080
Lindane	U	0.0002	mg/L	SW846-8080
Methoxychlor	U	0.04	mg/L	SW846-8080
PCB-1016	U	0.0001	mg/L	SW846-8080
PCB-1221	U	0.0001	mg/L	SW846-8080
PCB-1232	U	0.0001	mg/L	SW846-8080
PCB-1242	U	0.0001	mg/L	SW846-8080
PCB-1248	U	0.0001	mg/L	SW846-8080
PCB-1254	U	0.0001	mg/L	SW846-8080
PCB-1260	U	0.0011	mg/L	SW846-8080
Silvex	U	0.00107	mg/L	SW846-8150
Toxaphene	U	0.003	mg/L	SW846-8080

**RADS**

Alpha activity	U	1000	pCi/L	R-56	
Alpha activity		1.6	pCi/L	0.8	R-4
Beta activity		13	pCi/L	2	R-4
Beta activity	U	1000	pCi/L	R-56	
Technetium-99		7	pCi/L	11	R-46

**SVOA**

1,2,4,5-Tetrachlorobenzene	U	0.01	mg/L	SW846-8270
1,2,4-Trichlorobenzene	U	0.01	mg/L	SW846-8270
1,2-Dichlorobenzene	U	0.01	mg/L	SW846-8270
1,3,5-Trinitrobenzene	U	0.01	mg/L	SW846-8270
1,3-Dichlorobenzene	U	0.01	mg/L	SW846-8270
1,3-Dinitrobenzene	U	0.01	mg/L	SW846-8270
1,4-Dichlorobenzene	U	0.01	mg/L	SW846-8270
1,4-Dioxane	U	0.15	mg/L	SW846-8015
1,4-Naphthoquinone	U	0.01	mg/L	SW846-8270
1-Naphthalenamine	U	0.01	mg/L	SW846-8270
2,3,4,6-Tetrachlorophenol	U	0.01	mg/L	SW846-8270
2,4,5-Trichlorophenol	U	0.01	mg/L	SW846-8270
2,4,6-Trichlorophenol	U	0.01	mg/L	SW846-8270
2,4-Dichlorophenol	U	0.01	mg/L	SW846-8270
2,4-Dimethylphenol	U	0.01	mg/L	SW846-8270
2,4-Dinitrophenol	U	0.01	mg/L	SW846-8270
2,4-Dinitrotoluene	U	0.01	mg/L	SW846-8270
2,6-Dichlorophenol	U	0.01	mg/L	SW846-8270
2,6-Dinitrotoluene	U	0.01	mg/L	SW846-8270
2-Acetylaminofluorene	U	0.01	mg/L	SW846-8270
2-Chloronaphthalene	U	0.01	mg/L	SW846-8270
2-Chlorophenol	U	0.01	mg/L	SW846-8270
2-Methyl-4,6-dinitrophenol	U	0.01	mg/L	SW846-8270

## MW277

## C746U-95

## C-746U Landfill Monitoring C746U-95

2-Methylnaphthalene	U	0.01	mg/L	SW846-8270
2-Methylphenol	U	0.01	mg/L	SW846-8270
2-Naphthalenamine	U	0.01	mg/L	SW846-8270
2-Nitrobenzenamine	U	0.01	mg/L	SW846-8270
2-Nitrophenol	U	0.01	mg/L	SW846-8270
3,3'-Dichlorobenzidine	U	0.01	mg/L	SW846-8270
3,3'-Dimethylbenzidine	U	0.01	mg/L	SW846-8270
3-Methylcholanthrene	U	0.01	mg/L	SW846-8270
3-Nitrobenzenamine	U	0.01	mg/L	SW846-8270
4-Aminobiphenyl	U	0.01	mg/L	SW846-8270
4-Bromophenyl phenyl ether	U	0.01	mg/L	SW846-8270
4-Chloro-3-methylphenol	U	0.01	mg/L	SW846-8270
4-Chlorobenzenamine	U	0.01	mg/L	SW846-8270
4-Chlorophenyl phenyl ether	U	0.01	mg/L	SW846-8270
4-Methylphenol	U	0.01	mg/L	SW846-8270
4-Nitrobenzenamine	U	0.01	mg/L	SW846-8270
4-Nitrophenol	U	0.01	mg/L	SW846-8270
5-(2-Propenyl)-1,3-benzodioxole (Safr	U	0.01	mg/L	SW846-8270
5-Nitro-o-toluidine	U	0.01	mg/L	SW846-8270
7,12-Dimethylbenz(a)anthracene	U	0.01	mg/L	SW846-8270
Acenaphthene	U	0.01	mg/L	SW846-8270
Acenaphthylene	U	0.01	mg/L	SW846-8270
Acetophenone	U	0.01	mg/L	SW846-8270
Anthracene	U	0.01	mg/L	SW846-8270
Benz(a)anthracene	U	0.01	mg/L	SW846-8270
Benzenemethanol	U	0.01	mg/L	SW846-8270
Benzo(a)pyrene	U	0.001	mg/L	SW846-8270
Benzo(b)fluoranthene	U	0.01	mg/L	SW846-8270
Benzo(ghi)perylene	U	0.01	mg/L	SW846-8270
Benzo(k)fluoranthene	U	0.01	mg/L	SW846-8270
Bis(2-chloroethoxy)methane	U	0.01	mg/L	SW846-8270
Bis(2-chloroethyl) ether	U	0.01	mg/L	SW846-8270
Bis(2-chloroisopropyl) ether	U	0.01	mg/L	SW846-8270
Bis(2-ethylhexyl)phthalate	U	0.01	mg/L	SW846-8270
Butyl benzyl phthalate	U	0.01	mg/L	SW846-8270
Chlorobenzilate	U	0.01	mg/L	SW846-8270
Chrysene	U	0.01	mg/L	SW846-8270
Diallate	U	0.01	mg/L	SW846-8270
Dibenz(a,h)anthracene	U	0.01	mg/L	SW846-8270
Dibenzofuran	U	0.01	mg/L	SW846-8270
Diethyl phthalate	U	0.01	mg/L	SW846-8270
Dimethoate	U	0.01	mg/L	SW846-8270
Dimethyl phthalate	U	0.01	mg/L	SW846-8270
Di-n-butyl phthalate	U	0.01	mg/L	SW846-8270
Di-n-octylphthalate	U	0.01	mg/L	SW846-8270
Dinoseb	U	0.00536	mg/L	SW846-8150
Diphenylamine	U	0.01	mg/L	SW846-8270
Disulfoton	U	0.01	mg/L	SW846-8270
Ethyl methanesulfonate	U	0.01	mg/L	SW846-8270
Fluoranthene	U	0.01	mg/L	SW846-8270
Fluorene	U	0.01	mg/L	SW846-8270
Hexachloro-1-propene	U	0.01	mg/L	SW846-8270
Hexachlorobenzene	U	0.001	mg/L	SW846-8270
Hexachlorobutadiene	U	0.01	mg/L	SW846-8270
Hexachlorocyclopentadiene	U	0.01	mg/L	SW846-8270

**MW277****C746U-95****C-746U Landfill Monitoring C746U-95**

Hexachloroethane	U	0.01	mg/L	SW846-8270
Indeno(1,2,3-cd)pyrene	U	0.01	mg/L	SW846-8270
Isodrin	U	0.01	mg/L	SW846-8270
Isophorone	U	0.01	mg/L	SW846-8270
Isosafrole	U	0.01	mg/L	SW846-8270
Kepone	U	0.01	mg/L	SW846-8270
Methapyrilene	U	0.01	mg/L	SW846-8270
Methyl methanesulfonate	U	0.01	mg/L	SW846-8270
Methyl parathion	U	0.01	mg/L	SW846-8270
Naphthalene	U	0.01	mg/L	SW846-8270
Nitrobenzene	U	0.01	mg/L	SW846-8270
N-Nitrosodiethylamine	U	0.01	mg/L	SW846-8270
N-Nitrosodimethylamine	U	0.01	mg/L	SW846-8270
N-Nitroso-di-n-butylamine	U	0.01	mg/L	SW846-8270
N-Nitroso-di-n-propylamine	U	0.01	mg/L	SW846-8270
N-Nitrosodiphenylamine	U	0.01	mg/L	SW846-8270
N-Nitrosomethylethylamine	U	0.01	mg/L	SW846-8270
N-Nitrosopiperidine	U	0.01	mg/L	SW846-8270
N-Nitrosopyrrolidine	U	0.01	mg/L	SW846-8270
O,O,O-Triethylphosphorothioate	U	0.01	mg/L	SW846-8270
o-Toluidine	U	0.01	mg/L	SW846-8270
Parathion	U	0.01	mg/L	SW846-8270
p-Dimethylaminoazobenzene	U	0.01	mg/L	SW846-8270
Pentachlorobenzene	U	0.01	mg/L	SW846-8270
Pentachlorodibenzofuran	U	1E-08	mg/L	SW846-8270
Pentachloronitrobenzene	U	0.01	mg/L	SW846-8270
Pentachlorophenol	U	0.001	mg/L	SW846-8270
Phenacetin	U	0.01	mg/L	SW846-8270
Phenanthrene	U	0.01	mg/L	SW846-8270
Phenol	U	0.001	mg/L	SW846-8270
Phorate	U	0.01	mg/L	SW846-8270
p-Phenylenediamine	U	0.01	mg/L	SW846-8270
Pronamide	U	0.01	mg/L	SW846-8270
Pyrene	U	0.01	mg/L	SW846-8270
Thionazin	U	0.01	mg/L	SW846-8270

**VOA**

1,1,1,2-Tetrachloroethane	U	0.005	mg/L	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L	SW846-8240
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	SW846-8240
1,1,2-Trichloroethane	U	0.005	mg/L	SW846-8240
1,1-Dichloroethane	U	0.005	mg/L	SW846-8240
1,1-Dichloropropene	U	0.005	mg/L	SW846-8260
1,2,3-Trichloropropane	U	0.01	mg/L	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.0002	mg/L	SW846-8260
1,2-Dibromoethane	U	0.00005	mg/L	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	SW846-8240
1,2-Dichloropropane	U	0.005	mg/L	SW846-8240
1,3-Dichloropropane	U	0.0003	mg/L	SW846-8260
2,2-Dichloropropane	U	0.0005	mg/L	SW846-8260
2-Butanone	U	0.005	mg/L	SW846-8240
2-Chloro-1,3-butadiene	U	0.005	mg/L	SW846-8240
2-Hexanone	U	0.005	mg/L	SW846-8240
3-Methylphenol	U	0.01	mg/L	SW846-8270
4-Methyl-2-pentanone	U	0.005	mg/L	SW846-8240
Acetone	U	0.005	mg/L	SW846-8240

**MW277**

**C746U-95**

**C-746U Landfill Monitoring C746U-95**

Acetonitrile	U	0.05	mg/L	SW846-8015
Acrolein	U	0.005	mg/L	SW846-8260
Acrylonitrile	U	0.005	mg/L	SW846-8260
Allyl chloride	U	0.1	mg/L	SW846-8260
Benzene	U	0.005	mg/L	SW846-8240
Bromochloromethane	U	0.005	mg/L	SW846-8260
Bromodichloromethane	U	0.005	mg/L	SW846-8240
Bromoform	U	0.005	mg/L	SW846-8240
Bromomethane	U	0.005	mg/L	SW846-8240
Carbon disulfide	U	0.005	mg/L	SW846-8240
Carbon tetrachloride	U	0.005	mg/L	SW846-8240
Chlorobenzene	U	0.005	mg/L	SW846-8240
Chloroethane	U	0.005	mg/L	SW846-8240
Chloromethane	U	0.005	mg/L	SW846-8240
cis-1,2-Dichloroethene	U	0.07	mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	SW846-8240
Dibromochloromethane	U	0.005	mg/L	SW846-8240
Dibromomethane	U	0.005	mg/L	SW846-8240
Dichlorodifluoromethane	U	0.005	mg/L	SW846-8240
Ethyl cyanide	U	0.06	mg/L	SW846-8260
Ethylbenzene	U	0.005	mg/L	SW846-8240
Iodomethane	U	0.005	mg/L	SW846-8240
Isobutanol	U	0.05	mg/L	SW846-8015
Methacrylonitrile	U	0.005	mg/L	SW846-8260
Methyl methacrylate	U	0.005	mg/L	SW846-8260
Methylene chloride	U	0.005	mg/L	SW846-8240
Pentachloroethane	U	0.01	mg/L	SW846-8260
Styrene	U	0.005	mg/L	SW846-8240
Tetrachloroethene	U	0.005	mg/L	SW846-8240
Toluene	U	0.005	mg/L	SW846-8240
Total Xylene	U	0.005	mg/L	SW846-8240
trans-1,2-Dichloroethene	U	0.1	mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	SW846-8240
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L	SW846-8240
Trichloroethene	E	0.026	mg/L	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L	SW846-8240
Vinyl acetate	U	0.005	mg/L	SW846-8260

**6255-95**

Collected: 5/22/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)		0.014	mg/L			SW846-9020
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		374	umho/cm			SA-COND-1



**MW277**

**C746U-95**

**C-746U Landfill Monitoring C746U-95**

**6256-95**

Collected: 5/22/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)		0.016	mg/L			SW846-9020
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		374	umho/cm			SA-COND-1

**6257-95**

Collected: 5/22/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)		0.025	mg/L			SW846-9020
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		374	umho/cm			SA-COND-1

MW277

C746U-95

C-746U Landfill Monitoring C746U-95

6258-95

Collected: 5/22/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Alkalinity M		89	mg/L			W-12
Alkalinity P	<	5	mg/L			W-12
Chloride		57	mg/L			SW846-9252
Cyanide	U	0.02	mg/L			SA-CN-1
Fluoride		0.13	mg/L			SA-F-7
Nitrate as Nitrogen	X	2.1	mg/L			SA-N-1
Sulfate		12	mg/L			SW846-9038
Sulfide	U	10	mg/L			SW846-9030
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)	J	0.03	mg/L			SW846-9020
<b>Field P</b>						
Depth to Water		35.33	ft			
Dissolved Oxygen		2.93	mg/L			
pH		5.9	Std Unit			
Temperature		59	deg F			
<b>METAL</b>						
Aluminum	U	0.05	mg/L			SW846-6010
Antimony	U	0.006	mg/L			SW846-7000
Barium	B	0.233	mg/L			SW846-6010
Beryllium	U	0.002	mg/L			SW846-6010
Cadmium	U	0.005	mg/L			SW846-7000
Calcium	E	26	mg/L			SW846-6010
Chromium	U	0.002	mg/L			SW846-7000
Cobalt	B	0.0105	mg/L			SW846-6010
Copper	U	0.01	mg/L			SW846-6010
Iron	U	0.025	mg/L			SW846-6010
Lead	U	0.003	mg/L			SW846-7000
Magnesium	E	10.5	mg/L			SW846-6010
Manganese		0.112	mg/L			SW846-6010
Mercury	U	0.002	mg/L			SW846-7000
Nickel	B	0.0199	mg/L			SW846-6010
Potassium		2.16	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7000
Silver	U	0.01	mg/L			SW846-6010
Sodium	E	29.6	mg/L			SW846-6010
Thallium	U	0.002	mg/L			SW846-7000
Tin	U	4	mg/L			SW846-7870
Uranium	U	0.001	mg/L			SA-U-8
Vanadium	U	0.01	mg/L			SW846-6010
Zinc	U	0.01	mg/L			SW846-6010
<b>PHYSIC</b>						
Chemical Oxygen Demand (COD)	<	5	mg/L			W-40
Dissolved Solids		180	mg/L			IN7475
Specific Conductivity (PIP)		373	umho/cm			SA-COND-1
<b>PCCB</b>						
2,4,5-T	U	0.00107	mg/L			SW846-8150
2,4-D	U	0.0107	mg/L			SW846-8150
4,4'-DDD	U	0.01	mg/L			SW846-8080
4,4'-DDE	U	0.01	mg/L			SW846-8080

**MW277**

**C746U-95**

**C-746U Landfill Monitoring C746U-95**

4,4'-DDT	U	0.01	mg/L	SW846-8080
Aldrin	U	0.01	mg/L	SW846-8080
alpha-BHC	U	0.01	mg/L	SW846-8080
beta-BHC	U	0.04	mg/L	SW846-8080
Chlordene	U	0.002	mg/L	SW846-8080
delta-BHC	U	0.03	mg/L	SW846-8080
Dieldrin	U	0.01	mg/L	SW846-8080
Endosulfan I	U	0.01	mg/L	SW846-8080
Endosulfan II	U	0.00005	mg/L	SW846-8080
Endosulfan sulfate	U	0.01	mg/L	SW846-8080
Endrin	U	0.0002	mg/L	SW846-8080
Endrin aldehyde	U	0.01	mg/L	SW846-8080
Heptachlor	U	0.0004	mg/L	SW846-8080
Heptachlor epoxide	U	0.0002	mg/L	SW846-8080
Lindane	U	0.0002	mg/L	SW846-8080
Methoxychlor	U	0.04	mg/L	SW846-8080
PCB-1016	U	0.0001	mg/L	SW846-8080
PCB-1221	U	0.0001	mg/L	SW846-8080
PCB-1232	U	0.0001	mg/L	SW846-8080
PCB-1242	U	0.0001	mg/L	SW846-8080
PCB-1248	U	0.0001	mg/L	SW846-8080
PCB-1254	U	0.0001	mg/L	SW846-8080
PCB-1260	U	0.0011	mg/L	SW846-8080
Silvex	U	0.00107	mg/L	SW846-8150
Toxaphene	U	0.003	mg/L	SW846-8080

**RADS**

Alpha activity		-0.9	pCi/L	-0.6	R-4
Alpha activity	U	1000	pCi/L		R-56
Beta activity		21	pCi/L	3	R-4
Beta activity	U	1000	pCi/L		R-56
Technetium-99		12	pCi/L	11	R-46

**SVOA**

1,2,4,5-Tetrachlorobenzene	U	0.01	mg/L	SW846-8270
1,2,4-Trichlorobenzene	U	0.01	mg/L	SW846-8270
1,2-Dichlorobenzene	U	0.01	mg/L	SW846-8270
1,3,5-Trinitrobenzene	U	0.01	mg/L	SW846-8270
1,3-Dichlorobenzene	U	0.01	mg/L	SW846-8270
1,3-Dinitrobenzene	U	0.01	mg/L	SW846-8270
1,4-Dichlorobenzene	U	0.01	mg/L	SW846-8270
1,4-Dioxane	U	0.15	mg/L	SW846-8015
1,4-Naphthoquinone	U	0.01	mg/L	SW846-8270
1-Naphthalenamine	U	0.01	mg/L	SW846-8270
2,3,4,6-Tetrachlorophenol	U	0.01	mg/L	SW846-8270
2,4,5-Trichlorophenol	U	0.01	mg/L	SW846-8270
2,4,6-Trichlorophenol	U	0.01	mg/L	SW846-8270
2,4-Dichlorophenol	U	0.01	mg/L	SW846-8270
2,4-Dimethylphenol	U	0.01	mg/L	SW846-8270
2,4-Dinitrophenol	U	0.01	mg/L	SW846-8270
2,4-Dinitrotoluene	U	0.01	mg/L	SW846-8270
2,6-Dichlorophenol	U	0.01	mg/L	SW846-8270
2,6-Dinitrotoluene	U	0.01	mg/L	SW846-8270
2-Acetylaminofluorene	U	0.01	mg/L	SW846-8270
2-Chloronaphthalene	U	0.01	mg/L	SW846-8270
2-Chlorophenol	U	0.01	mg/L	SW846-8270
2-Methyl-4,6-dinitrophenol	U	0.01	mg/L	SW846-8270

**MW277****C746U-95****C-746U Landfill Monitoring C746U-95**

2-Methylnaphthalene	U	0.01	mg/L	SW846-8270
2-Methylphenol	U	0.01	mg/L	SW846-8270
2-Naphthalenamine	U	0.01	mg/L	SW846-8270
2-Nitrobenzenamine	U	0.01	mg/L	SW846-8270
2-Nitrophenol	U	0.01	mg/L	SW846-8270
3,3'-Dichlorobenzidine	U	0.01	mg/L	SW846-8270
3,3'-Dimethylbenzidine	U	0.01	mg/L	SW846-8270
3-Methylcholanthrene	U	0.01	mg/L	SW846-8270
3-Nitrobenzenamine	U	0.01	mg/L	SW846-8270
4-Aminobiphenyl	U	0.01	mg/L	SW846-8270
4-Bromophenyl phenyl ether	U	0.01	mg/L	SW846-8270
4-Chloro-3-methylphenol	U	0.01	mg/L	SW846-8270
4-Chlorobenzenamine	U	0.01	mg/L	SW846-8270
4-Chlorophenyl phenyl ether	U	0.01	mg/L	SW846-8270
4-Methylphenol	U	0.01	mg/L	SW846-8270
4-Nitrobenzenamine	U	0.01	mg/L	SW846-8270
4-Nitrophenol	U	0.01	mg/L	SW846-8270
5-(2-Propenyl)-1,3-benzodioxole (Safr	U	0.01	mg/L	SW846-8270
5-Nitro-o-toluidine	U	0.01	mg/L	SW846-8270
7,12-Dimethylbenz(a)anthracene	U	0.01	mg/L	SW846-8270
Acenaphthene	U	0.01	mg/L	SW846-8270
Acenaphthylene	U	0.01	mg/L	SW846-8270
Acetophenone	U	0.01	mg/L	SW846-8270
Anthracene	U	0.01	mg/L	SW846-8270
Benz(a)anthracene	U	0.01	mg/L	SW846-8270
Benzenemethanol	U	0.01	mg/L	SW846-8270
Benzo(a)pyrene	U	0.001	mg/L	SW846-8270
Benzo(b)fluoranthene	U	0.01	mg/L	SW846-8270
Benzo(ghi)perylene	U	0.01	mg/L	SW846-8270
Benzo(k)fluoranthene	U	0.01	mg/L	SW846-8270
Bis(2-chloroethoxy)methane	U	0.01	mg/L	SW846-8270
Bis(2-chloroethyl) ether	U	0.01	mg/L	SW846-8270
Bis(2-chloroisopropyl) ether	U	0.01	mg/L	SW846-8270
Bis(2-ethylhexyl)phthalate	U	0.01	mg/L	SW846-8270
Butyl benzyl phthalate	U	0.01	mg/L	SW846-8270
Chlorobenzilate	U	0.01	mg/L	SW846-8270
Chrysene	J	0.0006	mg/L	SW846-8270
Diallate	U	0.01	mg/L	SW846-8270
Dibenz(a,h)anthracene	U	0.01	mg/L	SW846-8270
Dibenzofuran	U	0.01	mg/L	SW846-8270
Diethyl phthalate	U	0.01	mg/L	SW846-8270
Dimethoate	U	0.01	mg/L	SW846-8270
Dimethyl phthalate	U	0.01	mg/L	SW846-8270
Di-n-butyl phthalate	U	0.01	mg/L	SW846-8270
Di-n-octylphthalate	U	0.01	mg/L	SW846-8270
Dinoseb	U	0.00536	mg/L	SW846-8150
Diphenylamine	U	0.01	mg/L	SW846-8270
Disulfoton	U	0.01	mg/L	SW846-8270
Ethyl methanesulfonate	U	0.01	mg/L	SW846-8270
Fluoranthene	U	0.01	mg/L	SW846-8270
Fluorene	U	0.01	mg/L	SW846-8270
Hexachloro-1-propene	U	0.01	mg/L	SW846-8270
Hexachlorobenzene	U	0.001	mg/L	SW846-8270
Hexachlorobutadiene	U	0.01	mg/L	SW846-8270
Hexachlorocyclopentadiene	U	0.01	mg/L	SW846-8270

**MW277****C746U-95****C-746U Landfill Monitoring C746U-95**

Hexachloroethane	U	0.01 mg/L	SW846-8270
Indeno(1,2,3-cd)pyrene	U	0.01 mg/L	SW846-8270
Isodrin	U	0.01 mg/L	SW846-8270
Isophorone	U	0.01 mg/L	SW846-8270
Isosafrole	U	0.01 mg/L	SW846-8270
Kepone	U	0.01 mg/L	SW846-8270
Methapyrilene	U	0.01 mg/L	SW846-8270
Methyl methanesulfonate	U	0.01 mg/L	SW846-8270
Methyl parathion	U	0.01 mg/L	SW846-8270
Naphthalene	U	0.01 mg/L	SW846-8270
Nitrobenzene	U	0.01 mg/L	SW846-8270
N-Nitrosodiethylamine	U	0.01 mg/L	SW846-8270
N-Nitrosodimethylamine	U	0.01 mg/L	SW846-8270
N-Nitroso-di-n-butylamine	U	0.01 mg/L	SW846-8270
N-Nitroso-di-n-propylamine	U	0.01 mg/L	SW846-8270
N-Nitrosodiphenylamine	U	0.01 mg/L	SW846-8270
N-Nitrosomethylethylamine	U	0.01 mg/L	SW846-8270
N-Nitrosopiperidine	U	0.01 mg/L	SW846-8270
N-Nitrosopyrrolidine	U	0.01 mg/L	SW846-8270
O,O,O-Triethylphosphorothioate	U	0.01 mg/L	SW846-8270
o-Toluidine	U	0.01 mg/L	SW846-8270
Parathion	U	0.01 mg/L	SW846-8270
p-Dimethylaminoazobenzene	U	0.01 mg/L	SW846-8270
Pentachlorobenzene	U	0.01 mg/L	SW846-8270
Pentachlorodibenzofuran	U	1E-08 mg/L	SW846-8270
Pentachloronitrobenzene	U	0.01 mg/L	SW846-8270
Pentachlorophenol	U	0.001 mg/L	SW846-8270
Phenacetin	U	0.01 mg/L	SW846-8270
Phenanthrene	U	0.01 mg/L	SW846-8270
Phenol	U	0.001 mg/L	SW846-8270
Phorate	U	0.01 mg/L	SW846-8270
p-Phenylenediamine	U	0.01 mg/L	SW846-8270
Pronamide	U	0.01 mg/L	SW846-8270
Pyrene	U	0.01 mg/L	SW846-8270
Thionazin	U	0.01 mg/L	SW846-8270

**VOA**

1,1,1,2-Tetrachloroethane	U	0.005 mg/L	SW846-8260
1,1,1-Trichloroethane	U	0.005 mg/L	SW846-8240
1,1,2,2-Tetrachloroethane	U	0.005 mg/L	SW846-8240
1,1,2-Trichloroethane	U	0.005 mg/L	SW846-8240
1,1-Dichloroethane	U	0.005 mg/L	SW846-8240
1,1-Dichloropropene	U	0.005 mg/L	SW846-8260
1,2,3-Trichloropropane	U	0.01 mg/L	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.0002 mg/L	SW846-8260
1,2-Dibromoethane	U	0.00005 mg/L	SW846-8260
1,2-Dichloroethane	U	0.005 mg/L	SW846-8240
1,2-Dichloropropane	U	0.005 mg/L	SW846-8240
1,3-Dichloropropane	U	0.0003 mg/L	SW846-8260
2,2-Dichloropropane	U	0.0005 mg/L	SW846-8260
2-Butanone	U	0.005 mg/L	SW846-8240
2-Chloro-1,3-butadiene	U	0.005 mg/L	SW846-8240
2-Hexanone	U	0.005 mg/L	SW846-8240
3-Methylphenol	U	0.01 mg/L	SW846-8270
4-Methyl-2-pentanone	U	0.005 mg/L	SW846-8240
Acetone	U	0.005 mg/L	SW846-8240

**MW277**

**C746U-95**

**C-746U Landfill Monitoring C746U-95**

Acetonitrile	U	0.05	mg/L	SW846-8015
Acrolein	U	0.005	mg/L	SW846-8260
Acrylonitrile	U	0.005	mg/L	SW846-8260
Allyl chloride	U	0.1	mg/L	SW846-8260
Benzene	U	0.005	mg/L	SW846-8240
Bromochloromethane	U	0.005	mg/L	SW846-8260
Bromodichloromethane	U	0.005	mg/L	SW846-8240
Bromoform	U	0.005	mg/L	SW846-8240
Bromomethane	U	0.005	mg/L	SW846-8240
Carbon disulfide	U	0.005	mg/L	SW846-8240
Carbon tetrachloride	U	0.005	mg/L	SW846-8240
Chlorobenzene	U	0.005	mg/L	SW846-8240
Chloroethane	U	0.005	mg/L	SW846-8240
Chloromethane	U	0.005	mg/L	SW846-8240
cis-1,2-Dichloroethene	U	0.07	mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	SW846-8240
Dibromochloromethane	U	0.005	mg/L	SW846-8240
Dibromomethane	U	0.005	mg/L	SW846-8240
Dichlorodifluoromethane	U	0.005	mg/L	SW846-8240
Ethyl cyanide	U	0.06	mg/L	SW846-8260
Ethylbenzene	U	0.005	mg/L	SW846-8240
Iodomethane	U	0.005	mg/L	SW846-8240
Isobutanol	U	0.05	mg/L	SW846-8015
Methacrylonitrile	U	0.005	mg/L	SW846-8260
Methyl methacrylate	U	0.005	mg/L	SW846-8260
Methylene chloride	U	0.005	mg/L	SW846-8240
Pentachloroethane	U	0.01	mg/L	SW846-8260
Styrene	U	0.005	mg/L	SW846-8240
Tetrachloroethene	U	0.005	mg/L	SW846-8240
Toluene	U	0.005	mg/L	SW846-8240
Total Xylene	U	0.005	mg/L	SW846-8240
trans-1,2-Dichloroethene	U	0.1	mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	SW846-8240
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L	SW846-8240
Trichloroethene	E	0.026	mg/L	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L	SW846-8240
Vinyl acetate	U	0.005	mg/L	SW846-8260

**6259-95**

Collected: 5/22/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)	J	0.026	mg/L			SW846-9020
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		374	umho/cm			SA-COND-1

**MW277**

**C746U-95**

**C-746U Landfill Monitoring C746U-95**

**6260-95**

Collected: 5/22/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)	J	0.03	mg/L			SW846-9020
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		374	umho/cm			SA-COND-1

**6261-95**

Collected: 5/22/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Organic Halides (TOX)	J	0.022	mg/L			SW846-9020
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		373	umho/cm			SA-COND-1

**MW277**

**C746U-95**

**C-746U Landfill Monitoring C746U-95**

**7331-95**

Collected: 9/5/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Sulfide	U	1	mg/L			SW846-9030
<b>Field P</b>						
Depth to Water		34.82	ft			
Dissolved Oxygen		3.79	mg/L			
pH		5.8	Std Unit			
Temperature		60	deg F			
<b>PPCB</b>						
Endrin aldehyde	U	0.01	mg/L			SW846-8270
<b>RADS</b>						
Alpha activity	U	1000	pCi/L			R-56
Beta activity	U	1000	pCi/L			R-56
<b>SVOA</b>						
1,3-Dinitrobenzene	U	0.01	mg/L			SW846-8270
4-Methylphenol	U	0.01	mg/L			SW846-8270
Parathion	U	0.01	mg/L			SW846-8270
<b>VOA</b>						
1,1-Dichloropropene	U	0.001	mg/L			SW846-8260
1,3-Dichloropropane	U	0.0003	mg/L			SW846-8260
2,2-Dichloropropane	U	0.0005	mg/L			SW846-8260
2-Chloro-1,3-butadiene	U	0.001	mg/L			SW846-8260
3-Methylphenol	U	0.01	mg/L			SW846-8270
Benzene	U	0.001	mg/L			SW846-8260
Bromochloromethane	U	0.001	mg/L			SW846-8260
Carbon tetrachloride	U	0.001	mg/L			SW846-8260
cis-1,4-Dichloro-2-Butene	U	0.001	mg/L			SW846-8260
Dichlorodifluoromethane	U	0.001	mg/L			SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.001	mg/L			SW846-8260
Vinyl chloride	U	0.001	mg/L			SW846-8260



MW276

C746UG97-01

C-746-U Groundwater Monitoring C746UG97-01

6242-96

Collected: 10/23/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		52.8	mg/L			IN7120
Nitrate as Nitrogen	U	1	mg/L			IN7120
Total Organic Carbon (TOC)		1	mg/L			ST7480
Total Organic Halides (TOX)		0.034	mg/L			SW846-9020
<b>Field P</b>						
Depth to Water		36.02	ft			
Dissolved Oxygen		3.26	mg/L			
pH		6.1	Std Unit			
Specific Conductivity (PIP)		262	umho/cm			
Temperature		59	deg F			
<b>METAL</b>						
Barium		0.246	mg/L			SW846-6010
Beryllium	U	0.025	mg/L			SW846-6010
Cadmium	U	0.005	mg/L			SW846-7131
Chromium		2.1	mg/L			SW846-6010
Cobalt	U	0.1	mg/L			SW846-6010
Copper		0.102	mg/L			SW846-6010
Iron	N*	20.2	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Nickel	B	0.186	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	U	0.05	mg/L			SW846-6010
Sodium	N	34	mg/L			SW846-6010
Thallium	U	0.3	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Vanadium	U	0.25	mg/L			SW846-6010
Zinc	BU	0.25	mg/L			SW846-6010
<b>METAL-D</b>						
Barium		0.194	mg/L			SW846-6010
Chromium	U	0.05	mg/L			SW846-6010
<b>PHYSC</b>						
Chemical Oxygen Demand (COD)	<	5	mg/L			IN7430
Dissolved Solids		213	mg/L			IN7475
Turbidity		95	NTU			IN7490
<b>RADS</b>						
Alpha activity		5.1	pCi/L	1.8		RL-7122
Beta activity		24	pCi/L	3		RL-7122
Technetium-99		12	pCi/L	11		RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L			SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L			SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1-Dichloroethane	U	0.005	mg/L			SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L			SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L			SW846-8260

## MW276

## C746UG97-01

## C-746-U Groundwater Monitoring C746UG97-01

1,2-Dibromoethane	U	0.005	mg/L	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	SW846-8260
2-Butanone	U	0.005	mg/L	SW846-8260
2-Chloroethyl vinyl ether	U	0.005	mg/L	SW846-8260
2-Hexanone	U	0.005	mg/L	SW846-8260
4-Methyl-2-pentanone	U	0.005	mg/L	SW846-8260
Acetone	U	0.005	mg/L	SW846-8260
Acrolein	U	0.005	mg/L	SW846-8030
Acrylonitrile	U	0.005	mg/L	SW846-8030
Benzene	U	0.005	mg/L	SW846-8260
Bromochloromethane	U	0.005	mg/L	SW846-8260
Bromodichloromethane	U	0.005	mg/L	SW846-8260
Bromoform	U	0.005	mg/L	SW846-8260
Bromomethane	U	0.005	mg/L	SW846-8260
Carbon disulfide	U	0.005	mg/L	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	SW846-8260
Chlorobenzene	U	0.005	mg/L	SW846-8260
Chloroethane	U	0.005	mg/L	SW846-8260
Chloromethane	U	0.005	mg/L	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Dibromochloromethane	U	0.005	mg/L	SW846-8260
Dibromomethane	U	0.005	mg/L	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	SW846-8260
Ethanol	U	0.25	mg/L	SW846-8015
Ethyl methacrylate	U	0.005	mg/L	SW846-8260
Ethylbenzene	U	0.005	mg/L	SW846-8260
Iodomethane	U	0.005	mg/L	SW846-8260
Methylene chloride	U	0.005	mg/L	SW846-8260
Styrene	U	0.005	mg/L	SW846-8260
Tetrachloroethene	U	0.005	mg/L	SW846-8260
Toluene	U	0.005	mg/L	SW846-8260
Total Xylene	U	0.01	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L	SW846-8260
Trichloroethene		0.029	mg/L	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L	SW846-8260
Vinyl acetate	U	0.005	mg/L	SW846-8260
Vinyl chloride	U	0.002	mg/L	SW846-8260

MW277

C746UG97-01

C-746-U Groundwater Monitoring C746UG97-01

6243-96

Collected: 10/22/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		50.6	mg/L			IN7120
Nitrate as Nitrogen		1.1	mg/L			IN7120
Total Organic Carbon (TOC)		2	mg/L			ST7480
Total Organic Halides (TOX)		0.034	mg/L			SW846-9020
<b>Field P</b>						
Depth to Water		36.31	ft			
Dissolved Oxygen		2.51	mg/L			
pH		6	Std Unit			
Specific Conductivity (PIP)		366	umho/cm			
Temperature		61	deg F			
<b>METAL</b>						
Barium		0.188	mg/L			SW846-6010
Beryllium	U	0.025	mg/L			SW846-6010
Cadmium	U	0.005	mg/L			SW846-7131
Chromium		0.297	mg/L			SW846-6010
Cobalt	U	0.1	mg/L			SW846-6010
Copper	U	0.1	mg/L			SW846-6010
Iron	N*	3.91	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Nickel	BU	0.1	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	U	0.05	mg/L			SW846-6010
Sodium	N	26.4	mg/L			SW846-6010
Thallium	U	0.3	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Vanadium	U	0.25	mg/L			SW846-6010
Zinc	BU	0.25	mg/L			SW846-6010
<b>METAL-D</b>						
Barium		0.196	mg/L			SW846-6010
Chromium	U	0.05	mg/L			SW846-6010
<b>PHYSC</b>						
Chemical Oxygen Demand (COD)		7	mg/L			IN7430
Dissolved Solids		242	mg/L			IN7475
Turbidity		29	NTU			IN7490
<b>RADS</b>						
Alpha activity		3.2	pCi/L	1.3		RL-7122
Beta activity		11	pCi/L	2		RL-7122
Technetium-99		0	pCi/L	0		RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L			SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L			SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1-Dichloroethane	U	0.005	mg/L			SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L			SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L			SW846-8260

**MW277****C746UG97-01****C-746-U Groundwater Monitoring C746UG97-01**

1,2-Dibromoethane	U	0.005	mg/L	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	SW846-8260
2-Butanone	U	0.005	mg/L	SW846-8260
2-Chloroethyl vinyl ether	U	0.005	mg/L	SW846-8260
2-Hexanone	U	0.005	mg/L	SW846-8260
4-Methyl-2-pentanone	U	0.005	mg/L	SW846-8260
Acetone	U	0.005	mg/L	SW846-8260
Acrolein	U	0.005	mg/L	SW846-8030
Acrylonitrile	U	0.005	mg/L	SW846-8030
Benzene	U	0.005	mg/L	SW846-8260
Bromochloromethane	U	0.005	mg/L	SW846-8260
Bromodichloromethane	U	0.005	mg/L	SW846-8260
Bromoform	U	0.005	mg/L	SW846-8260
Bromomethane	U	0.005	mg/L	SW846-8260
Carbon disulfide	U	0.005	mg/L	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	SW846-8260
Chlorobenzene	U	0.005	mg/L	SW846-8260
Chloroethane	U	0.005	mg/L	SW846-8260
Chloromethane	U	0.005	mg/L	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Dibromochloromethane	U	0.005	mg/L	SW846-8260
Dibromomethane	U	0.005	mg/L	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	SW846-8260
Ethanol	U	0.25	mg/L	SW846-8015
Ethyl methacrylate	U	0.005	mg/L	SW846-8260
Ethylbenzene	U	0.005	mg/L	SW846-8260
Iodomethane	U	0.005	mg/L	SW846-8260
Methylene chloride	U	0.005	mg/L	SW846-8260
Styrene	U	0.005	mg/L	SW846-8260
Tetrachloroethene	U	0.005	mg/L	SW846-8260
Toluene	U	0.005	mg/L	SW846-8260
Total Xylene	U	0.01	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L	SW846-8260
Trichloroethene		0.033	mg/L	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L	SW846-8260
Vinyl acetate	U	0.005	mg/L	SW846-8260
Vinyl chloride	U	0.002	mg/L	SW846-8260

MW276

C746UG97-02

C-746-U Groundwater Monitoring C746UG97-02

5072-97

Collected: 1/21/1997

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		53.2	mg/L			IN7120
Nitrate as Nitrogen	U	1	mg/L			IN7120
Total Organic Carbon (TOC)	U	1	mg/L			ST7480
Total Organic Halides (TOX)	U	0.025	mg/L			SW846-9020
<b>Field P</b>						
Depth to Water		33.72	ft			
Dissolved Oxygen		4.21	mg/L			
pH		6	Std Unit			
Specific Conductivity (PIP)		382	umho/cm			
Temperature		58	deg F			
<b>METAL</b>						
Barium		0.229	mg/L			SW846-6010
Beryllium	U	0.025	mg/L			SW846-6010
Cadmium	BU	0.005	mg/L			SW846-7131
Chromium		1.21	mg/L			SW846-6010
Cobalt	U	0.1	mg/L			SW846-6010
Copper	U	0.1	mg/L			SW846-6010
Iron		6.26	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Nickel	U	0.1	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	N*U	0.05	mg/L			SW846-6010
Sodium	N	32.9	mg/L			SW846-6010
Thallium	U	0.4	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Vanadium	U	0.25	mg/L			SW846-6010
Zinc	BU	0.25	mg/L			SW846-6010
<b>METAL-D</b>						
Barium		0.195	mg/L			SW846-6010
Chromium	U	0.05	mg/L			SW846-6010
<b>PHYSC</b>						
Chemical Oxygen Demand (COD)	<	5	mg/L			IN7430
Dissolved Solids		164	mg/L			IN7475
Turbidity		34	NTU			IN7490
<b>RADS</b>						
Alpha activity		1.1	pCi/L	0.5		RL-7122
Beta activity		24	pCi/L	3		RL-7122
Technetium-99		30	pCi/L	12		RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L			SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L			SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1-Dichloroethane	U	0.005	mg/L			SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L			SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L			SW846-8260

## MW276

## C746UG97-02

## C-746-U Groundwater Monitoring C746UG97-02

1,2-Dibromoethane	U	0.005	mg/L	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	SW846-8260
2-Butanone	U	0.005	mg/L	SW846-8260
2-Chloroethyl vinyl ether	U	0.005	mg/L	SW846-8260
2-Hexanone	U	0.005	mg/L	SW846-8260
4-Methyl-2-pentanone	U	0.005	mg/L	SW846-8260
Acetone	U	0.005	mg/L	SW846-8260
Acrolein	U	0.005	mg/L	SW846-8030
Acrylonitrile	U	0.005	mg/L	SW846-8030
Benzene	U	0.005	mg/L	SW846-8260
Bromochloromethane	U	0.005	mg/L	SW846-8260
Bromodichloromethane	U	0.005	mg/L	SW846-8260
Bromoform	U	0.005	mg/L	SW846-8260
Bromomethane	U	0.005	mg/L	SW846-8260
Carbon disulfide	U	0.005	mg/L	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	SW846-8260
Chlorobenzene	U	0.005	mg/L	SW846-8260
Chloroethane	U	0.005	mg/L	SW846-8260
Chloromethane	U	0.005	mg/L	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Dibromochloromethane	U	0.005	mg/L	SW846-8260
Dibromomethane	U	0.005	mg/L	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	SW846-8260
Ethanol	U	0.25	mg/L	SW846-8015
Ethyl methacrylate	U	0.005	mg/L	SW846-8260
Ethylbenzene	U	0.005	mg/L	SW846-8260
Iodomethane	U	0.005	mg/L	SW846-8260
Methylene chloride	U	0.005	mg/L	SW846-8260
Styrene	U	0.005	mg/L	SW846-8260
Tetrachloroethene	U	0.005	mg/L	SW846-8260
Toluene	U	0.005	mg/L	SW846-8260
Total Xylene	U	0.01	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L	SW846-8260
Trichloroethene		0.027	mg/L	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L	SW846-8260
Vinyl acetate	U	0.005	mg/L	SW846-8260
Vinyl chloride	U	0.002	mg/L	SW846-8260

MW276

C746UG97-02

C-746-U Groundwater Monitoring C746UG97-02

5073-97

Collected: 1/21/1997

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		52.5	mg/L			IN7120
Nitrate as Nitrogen	U	1	mg/L			IN7120
Total Organic Carbon (TOC)	U	1	mg/L			ST7480
Total Organic Halides (TOX)	U	0.025	mg/L			SW846-9020
<b>Field P</b>						
Depth to Water		33.72	ft			
Dissolved Oxygen		4.21	mg/L			
pH		6	Std Unit			
Specific Conductivity (PIP)		382	umho/cm			
Temperature		58	deg F			
<b>METAL</b>						
Barium		0.222	mg/L			SW846-6010
Beryllium	U	0.025	mg/L			SW846-6010
Cadmium	BU	0.005	mg/L			SW846-7131
Chromium		0.266	mg/L			SW846-6010
Cobalt	U	0.1	mg/L			SW846-6010
Copper	U	0.1	mg/L			SW846-6010
Iron		1.86	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Nickel		0.105	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	N*U	0.05	mg/L			SW846-6010
Sodium	N	33	mg/L			SW846-6010
Thallium	U	0.4	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Vanadium	U	0.25	mg/L			SW846-6010
Zinc	BU	0.25	mg/L			SW846-6010
<b>METAL-D</b>						
Barium		0.193	mg/L			SW846-6010
Chromium	U	0.05	mg/L			SW846-6010
<b>PHYSC</b>						
Chemical Oxygen Demand (COD)	<	5	mg/L			IN7430
Dissolved Solids		196	mg/L			IN7475
Turbidity		16	NTU			IN7490
<b>RADS</b>						
Alpha activity		0.8	pCi/L	0.3		RL-7122
Beta activity		25	pCi/L	3		RL-7122
Technetium-99		26	pCi/L	12		RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L			SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L			SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1-Dichloroethane	U	0.005	mg/L			SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L			SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L			SW846-8260

## MW276

## C746UG97-02

## C-746-U Groundwater Monitoring C746UG97-02

1,2-Dibromoethane	U	0.005	mg/L	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	SW846-8260
2-Butanone	U	0.005	mg/L	SW846-8260
2-Chloroethyl vinyl ether	U	0.005	mg/L	SW846-8260
2-Hexanone	U	0.005	mg/L	SW846-8260
4-Methyl-2-pentanone	U	0.005	mg/L	SW846-8260
Acetone	U	0.005	mg/L	SW846-8260
Acrolein	U	0.005	mg/L	SW846-8030
Acrylonitrile	U	0.005	mg/L	SW846-8030
Benzene	U	0.005	mg/L	SW846-8260
Bromochloromethane	U	0.005	mg/L	SW846-8260
Bromodichloromethane	U	0.005	mg/L	SW846-8260
Bromoform	U	0.005	mg/L	SW846-8260
Bromomethane	U	0.005	mg/L	SW846-8260
Carbon disulfide	U	0.005	mg/L	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	SW846-8260
Chlorobenzene	U	0.005	mg/L	SW846-8260
Chloroethane	U	0.005	mg/L	SW846-8260
Chloromethane	U	0.005	mg/L	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Dibromochloromethane	U	0.005	mg/L	SW846-8260
Dibromomethane	U	0.005	mg/L	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	SW846-8260
Ethanol	U	0.25	mg/L	SW846-8015
Ethyl methacrylate	U	0.005	mg/L	SW846-8260
Ethylbenzene	U	0.005	mg/L	SW846-8260
Iodomethane	U	0.005	mg/L	SW846-8260
Methylene chloride	U	0.005	mg/L	SW846-8260
Styrene	U	0.005	mg/L	SW846-8260
Tetrachloroethene	U	0.005	mg/L	SW846-8260
Toluene	U	0.005	mg/L	SW846-8260
Total Xylene	U	0.01	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L	SW846-8260
Trichloroethene		0.026	mg/L	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L	SW846-8260
Vinyl acetate	U	0.005	mg/L	SW846-8260
Vinyl chloride	U	0.002	mg/L	SW846-8260



MW277

C746UG97-02

C-746-U Groundwater Monitoring C746UG97-02

5074-97

Collected: 1/21/1997

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		52.1	mg/L			IN7120
Nitrate as Nitrogen		1.2	mg/L			IN7120
Total Organic Carbon (TOC)	U	1	mg/L			ST7480
Total Organic Halides (TOX)	U	0.025	mg/L			SW846-9020
<b>Field P</b>						
Depth to Water		34.05	ft			
Dissolved Oxygen		2.99	mg/L			
pH		6	Std Unit			
Specific Conductivity (PIP)		368	umho/cm			
Temperature		58	deg F			
<b>METAL</b>						
Barium		0.223	mg/L			SW846-6010
Beryllium	U	0.025	mg/L			SW846-6010
Cadmium	BU	0.005	mg/L			SW846-7131
Chromium		0.567	mg/L			SW846-6010
Cobalt	U	0.1	mg/L			SW846-6010
Copper	U	0.1	mg/L			SW846-6010
Iron		3.85	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Nickel	U	0.1	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	N*U	0.05	mg/L			SW846-6010
Sodium	N	30	mg/L			SW846-6010
Thallium	U	0.4	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Vanadium	U	0.25	mg/L			SW846-6010
Zinc	BU	0.25	mg/L			SW846-6010
<b>METAL-D</b>						
Barium		0.187	mg/L			SW846-6010
Chromium	U	0.05	mg/L			SW846-6010
<b>PHYSC</b>						
Chemical Oxygen Demand (COD)	<	5	mg/L			IN7430
Dissolved Solids		192	mg/L			IN7475
Turbidity		28	NTU			IN7490
<b>RADS</b>						
Alpha activity		1.8	pCi/L	0.7		RL-7122
Beta activity		7	pCi/L	1		RL-7122
Technetium-99		2	pCi/L	10		RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L			SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L			SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1-Dichloroethane	U	0.005	mg/L			SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L			SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L			SW846-8260

## MW277

## C746UG97-02

## C-746-U Groundwater Monitoring C746UG97-02

1,2-Dibromoethane	U	0.005	mg/L	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	SW846-8260
2-Butanone	U	0.005	mg/L	SW846-8260
2-Chloroethyl vinyl ether	U	0.005	mg/L	SW846-8260
2-Hexanone	U	0.005	mg/L	SW846-8260
4-Methyl-2-pentanone	U	0.005	mg/L	SW846-8260
Acetone	U	0.005	mg/L	SW846-8260
Acrolein	U	0.005	mg/L	SW846-8030
Acrylonitrile	U	0.005	mg/L	SW846-8030
Benzene	U	0.005	mg/L	SW846-8260
Bromochloromethane	U	0.005	mg/L	SW846-8260
Bromodichloromethane	U	0.005	mg/L	SW846-8260
Bromoform	U	0.005	mg/L	SW846-8260
Bromomethane	U	0.005	mg/L	SW846-8260
Carbon disulfide	U	0.005	mg/L	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	SW846-8260
Chlorobenzene	U	0.005	mg/L	SW846-8260
Chloroethane	U	0.005	mg/L	SW846-8260
Chloromethane	U	0.005	mg/L	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Dibromochloromethane	U	0.005	mg/L	SW846-8260
Dibromomethane	U	0.005	mg/L	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	SW846-8260
Ethanol	U	0.25	mg/L	SW846-8015
Ethyl methacrylate	U	0.005	mg/L	SW846-8260
Ethylbenzene	U	0.005	mg/L	SW846-8260
Iodomethane	U	0.005	mg/L	SW846-8260
Methylene chloride	U	0.005	mg/L	SW846-8260
Styrene	U	0.005	mg/L	SW846-8260
Tetrachloroethene	U	0.005	mg/L	SW846-8260
Toluene	U	0.005	mg/L	SW846-8260
Total Xylene	U	0.01	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L	SW846-8260
Trichloroethene		0.031	mg/L	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L	SW846-8260
Vinyl acetate	U	0.005	mg/L	SW846-8260
Vinyl chloride	U	0.002	mg/L	SW846-8260

MW276

C746UG97-03

C-746-U Groundwater Monitoring C746UG97-03

5290-97

Collected: 4/21/1997

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		52.8	mg/L			IN7120
Nitrate as Nitrogen	U	1	mg/L			IN7120
Total Organic Carbon (TOC)	U	1	mg/L			ST7480
Total Organic Halides (TOX)	U	0.025	mg/L			SW846-9020
<b>Field P</b>						
Depth to Water		28.71	ft			
Dissolved Oxygen		3.28	mg/L			
pH		6	Std Unit			
Specific Conductivity (PIP)		388	umho/cm			
Temperature		60	deg F			
<b>METAL</b>						
Barium		0.219	mg/L			SW846-6010
Beryllium	U	0.025	mg/L			SW846-6010
Cadmium	BU	0.005	mg/L			SW846-7131
Chromium		0.969	mg/L			SW846-6010
Cobalt	U	0.1	mg/L			SW846-6010
Copper	U	0.1	mg/L			SW846-6010
Iron	N	1.58	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Nickel	BU	0.1	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	N*U	0.05	mg/L			SW846-6010
Sodium	N	36.6	mg/L			SW846-6010
Thallium	U	0.4	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Vanadium	U	0.25	mg/L			SW846-6010
Zinc	N*BU	0.25	mg/L			SW846-6010
<b>METAL-D</b>						
Barium		0.199	mg/L			SW846-6010
Chromium	U	0.05	mg/L			SW846-6010
<b>PHYSC</b>						
Chemical Oxygen Demand (COD)	<	25	mg/L			IN7430
Dissolved Solids		218	mg/L			IN7475
Turbidity		12	NTU			IN7490
<b>RADS</b>						
Alpha activity		1.1	pCi/L	0.4		RL-7122
Beta activity		29	pCi/L	4		RL-7122
Technetium-99		26	pCi/L	12		RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L			SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L			SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1-Dichloroethane	U	0.005	mg/L			SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L			SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L			SW846-8260

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## C746UG97-03

## C-746-U Groundwater Monitoring C746UG97-03

1,2-Dibromoethane	U	0.005	mg/L	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	SW846-8260
2-Butanone	U	0.005	mg/L	SW846-8260
2-Chloroethyl vinyl ether	U	0.005	mg/L	SW846-8260
2-Hexanone	U	0.005	mg/L	SW846-8260
4-Methyl-2-pentanone	U	0.005	mg/L	SW846-8260
Acetone	U	0.005	mg/L	SW846-8260
Acrolein	U	0.005	mg/L	SW846-8030
Acrylonitrile	U	0.005	mg/L	SW846-8030
Benzene	U	0.005	mg/L	SW846-8260
Bromochloromethane	U	0.005	mg/L	SW846-8260
Bromodichloromethane	U	0.005	mg/L	SW846-8260
Bromoform	U	0.005	mg/L	SW846-8260
Bromomethane	U	0.005	mg/L	SW846-8260
Carbon disulfide	U	0.005	mg/L	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	SW846-8260
Chlorobenzene	U	0.005	mg/L	SW846-8260
Chloroethane	U	0.005	mg/L	SW846-8260
Chloromethane	U	0.005	mg/L	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Dibromochloromethane	U	0.005	mg/L	SW846-8260
Dibromomethane	U	0.005	mg/L	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	SW846-8260
Ethanol	U	0.25	mg/L	SW846-8015
Ethyl methacrylate	U	0.005	mg/L	SW846-8260
Ethylbenzene	U	0.005	mg/L	SW846-8260
Iodomethane	U	0.005	mg/L	SW846-8260
Methylene chloride	U	0.01	mg/L	SW846-8260
Styrene	U	0.005	mg/L	SW846-8260
Tetrachloroethene	U	0.005	mg/L	SW846-8260
Toluene	U	0.005	mg/L	SW846-8260
Total Xylene	U	0.005	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L	SW846-8260
Trichloroethene		0.027	mg/L	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L	SW846-8260
Vinyl acetate	U	0.005	mg/L	SW846-8260
Vinyl chloride	U	0.002	mg/L	SW846-8260

MW276

C746UG97-03

C-746-U Groundwater Monitoring C746UG97-03

5292-97

Collected: 4/21/1997

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		53	mg/L			IN7120
Nitrate as Nitrogen	U	1	mg/L			IN7120
Total Organic Carbon (TOC)		1	mg/L			ST7480
Total Organic Halides (TOX)	U	0.025	mg/L			SW846-9020
<b>Field P</b>						
Depth to Water		28.71	ft			
Dissolved Oxygen		3.28	mg/L			
pH		6	Std Unit			
Specific Conductivity (PIP)		388	umho/cm			
Temperature		60	deg F			
<b>METAL</b>						
Barium		0.224	mg/L			SW846-6010
Beryllium	U	0.025	mg/L			SW846-6010
Cadmium	BU	0.005	mg/L			SW846-7131
Chromium		0.206	mg/L			SW846-6010
Cobalt	U	0.1	mg/L			SW846-6010
Copper	U	0.1	mg/L			SW846-6010
Iron	N	1.45	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Nickel	BU	0.1	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	N*U	0.05	mg/L			SW846-6010
Sodium	N	32.8	mg/L			SW846-6010
Thallium	U	0.4	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Vanadium	U	0.25	mg/L			SW846-6010
Zinc	N*BU	0.25	mg/L			SW846-6010
<b>METAL-D</b>						
Barium		0.206	mg/L			SW846-6010
Chromium	U	0.05	mg/L			SW846-6010
<b>PHYSC</b>						
Chemical Oxygen Demand (COD)	<	25	mg/L			IN7430
Dissolved Solids		200	mg/L			IN7475
Turbidity		12	NTU			IN7490
<b>RADS</b>						
Alpha activity		-1.1	pCi/L	-0.5		RL-7122
Beta activity		24	pCi/L	3		RL-7122
Technetium-99		21	pCi/L	12		RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L			SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L			SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1-Dichloroethane	U	0.005	mg/L			SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L			SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L			SW846-8260

## MW276

## C746UG97-03

## C-746-U Groundwater Monitoring C746UG97-03

1,2-Dibromoethane	U	0.005	mg/L	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	SW846-8260
2-Butanone	U	0.005	mg/L	SW846-8260
2-Chloroethyl vinyl ether	U	0.005	mg/L	SW846-8260
2-Hexanone	U	0.005	mg/L	SW846-8260
4-Methyl-2-pentanone	U	0.005	mg/L	SW846-8260
Acetone	U	0.005	mg/L	SW846-8260
Acrolein	U	0.005	mg/L	SW846-8030
Acrylonitrile	U	0.005	mg/L	SW846-8030
Benzene	U	0.005	mg/L	SW846-8260
Bromochloromethane	U	0.005	mg/L	SW846-8260
Bromodichloromethane	U	0.005	mg/L	SW846-8260
Bromoform	U	0.005	mg/L	SW846-8260
Bromomethane	U	0.005	mg/L	SW846-8260
Carbon disulfide	U	0.005	mg/L	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	SW846-8260
Chlorobenzene	U	0.005	mg/L	SW846-8260
Chloroethane	U	0.005	mg/L	SW846-8260
Chloromethane	U	0.005	mg/L	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Dibromochloromethane	U	0.005	mg/L	SW846-8260
Dibromomethane	U	0.005	mg/L	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	SW846-8260
Ethanol	U	0.25	mg/L	SW846-8015
Ethyl methacrylate	U	0.005	mg/L	SW846-8260
Ethylbenzene	U	0.005	mg/L	SW846-8260
Iodomethane	U	0.005	mg/L	SW846-8260
Methylene chloride	U	0.01	mg/L	SW846-8260
Styrene	U	0.005	mg/L	SW846-8260
Tetrachloroethene	U	0.005	mg/L	SW846-8260
Toluene	U	0.005	mg/L	SW846-8260
Total Xylene	U	0.005	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L	SW846-8260
Trichloroethene		0.027	mg/L	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L	SW846-8260
Vinyl acetate	U	0.005	mg/L	SW846-8260
Vinyl chloride	U	0.002	mg/L	SW846-8260

**MW277**

**C746UG97-03**

**C-746-U Groundwater Monitoring C746UG97-03**

**5291-97**

Collected: 4/22/1997

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		52	mg/L			IN7120
Nitrate as Nitrogen		1.1	mg/L			IN7120
Total Organic Carbon (TOC)	U	1	mg/L			ST7480
Total Organic Halides (TOX)	U	0.025	mg/L			SW846-9020
<b>Field P</b>						
Depth to Water		29.14	ft			
Dissolved Oxygen		2.46	mg/L			
pH		6	Std Unit			
Specific Conductivity (PIP)		375	umho/cm			
Temperature		60	deg F			
<b>METAL</b>						
Barium		0.228	mg/L			SW846-6010
Beryllium	U	0.025	mg/L			SW846-6010
Cadmium	BU	0.005	mg/L			SW846-7131
Chromium		0.219	mg/L			SW846-6010
Cobalt	U	0.1	mg/L			SW846-6010
Copper	U	0.1	mg/L			SW846-6010
Iron	N	2.08	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Nickel	BU	0.1	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	N*U	0.05	mg/L			SW846-6010
Sodium	N	33.2	mg/L			SW846-6010
Thallium	U	0.4	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Vanadium	U	0.25	mg/L			SW846-6010
Zinc	N*BU	0.25	mg/L			SW846-6010
<b>METAL-D</b>						
Barium		0.235	mg/L			SW846-6010
Chromium	U	0.05	mg/L			SW846-6010
<b>PHYSC</b>						
Chemical Oxygen Demand (COD)	<	25	mg/L			IN7430
Dissolved Solids		214	mg/L			IN7475
Turbidity		11	NTU			IN7490
<b>RADS</b>						
Alpha activity		-0.5	pCi/L	-0.3		RL-7122
Beta activity		14	pCi/L	2		RL-7122
Technetium-99		1	pCi/L	11		RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L			SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L			SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1-Dichloroethane	U	0.005	mg/L			SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L			SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L			SW846-8260

## MW277

## C746UG97-03

## C-746-U Groundwater Monitoring C746UG97-03

1,2-Dibromoethane	U	0.005	mg/L	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	SW846-8260
2-Butanone	U	0.005	mg/L	SW846-8260
2-Chloroethyl vinyl ether	U	0.005	mg/L	SW846-8260
2-Hexanone	U	0.005	mg/L	SW846-8260
4-Methyl-2-pentanone	U	0.005	mg/L	SW846-8260
Acetone	U	0.005	mg/L	SW846-8260
Acrolein	U	0.005	mg/L	SW846-8030
Acrylonitrile	U	0.005	mg/L	SW846-8030
Benzene	U	0.005	mg/L	SW846-8260
Bromochloromethane	U	0.005	mg/L	SW846-8260
Bromodichloromethane	U	0.005	mg/L	SW846-8260
Bromoform	U	0.005	mg/L	SW846-8260
Bromomethane	U	0.005	mg/L	SW846-8260
Carbon disulfide	U	0.005	mg/L	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	SW846-8260
Chlorobenzene	U	0.005	mg/L	SW846-8260
Chloroethane	U	0.005	mg/L	SW846-8260
Chloromethane	U	0.005	mg/L	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Dibromochloromethane	U	0.005	mg/L	SW846-8260
Dibromomethane	U	0.005	mg/L	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	SW846-8260
Ethanol	U	0.25	mg/L	SW846-8015
Ethyl methacrylate	U	0.005	mg/L	SW846-8260
Ethylbenzene	U	0.005	mg/L	SW846-8260
Iodomethane	U	0.005	mg/L	SW846-8260
Methylene chloride	U	0.01	mg/L	SW846-8260
Styrene	U	0.005	mg/L	SW846-8260
Tetrachloroethene	U	0.005	mg/L	SW846-8260
Toluene	U	0.005	mg/L	SW846-8260
Total Xylene	U	0.005	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L	SW846-8260
Trichloroethene		0.032	mg/L	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L	SW846-8260
Vinyl acetate	U	0.005	mg/L	SW846-8260
Vinyl chloride	U	0.002	mg/L	SW846-8260



**MW276**

**C746UG97-04**

**C-746-U Groundwater Monitoring C746UG97-04**

**5508-97**

Collected: 7/21/1997

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		53.7	mg/L			IN7120
Nitrate as Nitrogen	U	1	mg/L			IN7120
Total Organic Carbon (TOC)	U	1	mg/L			ST7480
Total Organic Halides (TOX)	U	0.025	mg/L			SW846-9020
<b>Field P</b>						
Depth to Water		32	ft			
Dissolved Oxygen		3.64	mg/L			
pH		5.9	Std Unit			
Specific Conductivity (PIP)		397	umho/cm			
Temperature		67	deg F			
<b>METAL</b>						
Barium		0.224	mg/L			SW846-6010
Beryllium	U	0.025	mg/L			SW846-6010
Cadmium	BWU	0.005	mg/L			SW846-7131
Chromium		0.472	mg/L			SW846-6010
Cobalt	U	0.1	mg/L			SW846-6010
Copper	U	0.1	mg/L			SW846-6010
Iron		2.54	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Nickel	U	0.1	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	U	0.05	mg/L			SW846-6010
Sodium	N	33.5	mg/L			SW846-6010
Thallium	U	0.4	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Vanadium	U	0.25	mg/L			SW846-6010
Zinc	U	0.25	mg/L			SW846-6010
<b>METAL-D</b>						
Barium		0.187	mg/L			SW846-6010
Chromium	U	0.05	mg/L			SW846-6010
<b>PHYSC</b>						
Chemical Oxygen Demand (COD)	<	25	mg/L			IN7430
Dissolved Solids		221	mg/L			IN7475
Turbidity		22	NTU			IN7490
<b>RADS</b>						
Alpha activity		3.6	pCi/L	1.2		RL-7122
Beta activity		19	pCi/L	3		RL-7122
Technetium-99		14	pCi/L	13		RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L			SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L			SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1-Dichloroethane	U	0.005	mg/L			SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L			SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L			SW846-8260

## MW276

## C746UG97-04

## C-746-U Groundwater Monitoring C746UG97-04

1,2-Dibromoethane	U	0.005	mg/L	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	SW846-8260
2-Butanone	U	0.005	mg/L	SW846-8260
2-Chloroethyl vinyl ether	U	0.005	mg/L	SW846-8260
2-Hexanone	U	0.005	mg/L	SW846-8260
4-Methyl-2-pentanone	U	0.005	mg/L	SW846-8260
Acetone	U	0.005	mg/L	SW846-8260
Acrolein	U	0.005	mg/L	SW846-8260
Acrylonitrile	U	0.005	mg/L	SW846-8260
Benzene	U	0.005	mg/L	SW846-8260
Bromochloromethane	U	0.005	mg/L	SW846-8260
Bromodichloromethane	U	0.005	mg/L	SW846-8260
Bromoform	U	0.005	mg/L	SW846-8260
Bromomethane	U	0.005	mg/L	SW846-8260
Carbon disulfide	U	0.005	mg/L	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	SW846-8260
Chlorobenzene	U	0.005	mg/L	SW846-8260
Chloroethane	U	0.005	mg/L	SW846-8260
Chloromethane	U	0.005	mg/L	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Dibromochloromethane	U	0.005	mg/L	SW846-8260
Dibromomethane	U	0.005	mg/L	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	SW846-8260
Ethanol	UU	0.25	mg/L	SW846-8015
Ethyl methacrylate	U	0.005	mg/L	SW846-8260
Ethylbenzene	U	0.005	mg/L	SW846-8260
Iodomethane	U	0.005	mg/L	SW846-8260
Methylene chloride	U	0.01	mg/L	SW846-8260
Styrene	U	0.005	mg/L	SW846-8260
Tetrachloroethene	U	0.005	mg/L	SW846-8260
Toluene	U	0.005	mg/L	SW846-8260
Total Xylene	U	0.005	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L	SW846-8260
Trichloroethene		0.027	mg/L	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L	SW846-8260
Vinyl acetate	U	0.005	mg/L	SW846-8260
Vinyl chloride	U	0.002	mg/L	SW846-8260

**MW277**

**C746UG97-04**

**C-746-U Groundwater Monitoring C746UG97-04**

**5509-97**

Collected: 7/21/1997

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		48.6	mg/L			IN7120
Nitrate as Nitrogen		1.2	mg/L			IN7120
Total Organic Carbon (TOC)	U	1	mg/L			ST7480
Total Organic Halides (TOX)	U	0.025	mg/L			SW846-9020
<b>Field P</b>						
Depth to Water		32.25	ft			
Dissolved Oxygen		3.78	mg/L			
pH		5.9	Std Unit			
Specific Conductivity (PIP)		390	umho/cm			
Temperature		65.4	deg F			
<b>METAL</b>						
Barium		0.207	mg/L			SW846-6010
Beryllium	U	0.025	mg/L			SW846-6010
Cadmium	BWU	0.005	mg/L			SW846-7131
Chromium		0.299	mg/L			SW846-6010
Cobalt	U	0.1	mg/L			SW846-6010
Copper	U	0.1	mg/L			SW846-6010
Iron		2.49	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Nickel	U	0.1	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	U	0.05	mg/L			SW846-6010
Sodium	N	29.2	mg/L			SW846-6010
Thallium	U	0.4	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Vanadium	U	0.25	mg/L			SW846-6010
Zinc	U	0.25	mg/L			SW846-6010
<b>METAL-D</b>						
Barium		0.186	mg/L			SW846-6010
Chromium	U	0.05	mg/L			SW846-6010
<b>PHYSC</b>						
Chemical Oxygen Demand (COD)	<	25	mg/L			IN7430
Dissolved Solids		208	mg/L			IN7475
Turbidity		30	NTU			IN7490
<b>RADS</b>						
Alpha activity		1.4	pCi/L	0.5		RL-7122
Beta activity		7	pCi/L	1		RL-7122
Technetium-99		0	pCi/L	0		RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L			SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L			SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1-Dichloroethane	U	0.005	mg/L			SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L			SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L			SW846-8260

## MW277

## C746UG97-04

## C-746-U Groundwater Monitoring C746UG97-04

1,2-Dibromoethane	U	0.005	mg/L	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	SW846-8260
2-Butanone	U	0.005	mg/L	SW846-8260
2-Chloroethyl vinyl ether	U	0.005	mg/L	SW846-8260
2-Hexanone	U	0.005	mg/L	SW846-8260
4-Methyl-2-pentanone	U	0.005	mg/L	SW846-8260
Acetone	U	0.005	mg/L	SW846-8260
Acrolein	U	0.005	mg/L	SW846-8260
Acrylonitrile	U	0.005	mg/L	SW846-8260
Benzene	U	0.005	mg/L	SW846-8260
Bromochloromethane	U	0.005	mg/L	SW846-8260
Bromodichloromethane	U	0.005	mg/L	SW846-8260
Bromoform	U	0.005	mg/L	SW846-8260
Bromomethane	U	0.005	mg/L	SW846-8260
Carbon disulfide	U	0.005	mg/L	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	SW846-8260
Chlorobenzene	U	0.005	mg/L	SW846-8260
Chloroethane	U	0.005	mg/L	SW846-8260
Chloromethane	U	0.005	mg/L	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Dibromochloromethane	U	0.005	mg/L	SW846-8260
Dibromomethane	U	0.005	mg/L	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	SW846-8260
Ethanol	UU	0.25	mg/L	SW846-8015
Ethyl methacrylate	U	0.005	mg/L	SW846-8260
Ethylbenzene	U	0.005	mg/L	SW846-8260
Iodomethane	U	0.005	mg/L	SW846-8260
Methylene chloride	U	0.01	mg/L	SW846-8260
Styrene	U	0.005	mg/L	SW846-8260
Tetrachloroethene	U	0.005	mg/L	SW846-8260
Toluene	U	0.005	mg/L	SW846-8260
Total Xylene	U	0.005	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L	SW846-8260
Trichloroethene		0.031	mg/L	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L	SW846-8260
Vinyl acetate	U	0.005	mg/L	SW846-8260
Vinyl chloride	U	0.002	mg/L	SW846-8260

**MW180**

**EM-GW-95**

**Groundwater Monitoring 1995**

**6334-95**

Collected: 5/4/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Alkalinity		302	mg/L			W-10
Chloride		58.6	mg/L			W-50
Fluoride		0.28	mg/L			SA-F-7
Nitrate as Nitrogen	U	1	mg/L			W-50
Tetraoxo-sulfate(1-)		6.2	mg/L			W-50
Total Organic Carbon (TOC)		1	mg/L			W-150
<b>Field P</b>						
Depth to Water		17.98	ft			
Dissolved Oxygen		6.28	mg/L			
pH		6.8	Std Unit			
Temperature		59	deg F			
<b>METAL</b>						
Barium		0.214	mg/L			SW846-6010
Beryllium	U	0.015	mg/L			SW846-6010
Cadmium	U	0.025	mg/L			SW846-6010
Calcium		49.1	mg/L			SW846-6010
Chromium		0.146	mg/L			SW846-6010
Cobalt	U	0.045	mg/L			SW846-6010
Copper		0.031	mg/L			SW846-6010
Iron		11.3	mg/L			SW846-6010
Magnesium		13.5	mg/L			SW846-6010
Manganese		0.352	mg/L			SW846-6010
Mercury	BU	0.0002	mg/L			SW846-7470
Nickel		0.595	mg/L			SW846-6010
Potassium	JU	10.5	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	JU	0.06	mg/L			SW846-6010
Sodium		96.3	mg/L			SW846-6010
Uranium		0.002	mg/L			SA-U-8
Zinc		0.078	mg/L			SW846-6010
<b>METAL-D</b>						
Barium		0.17	mg/L			SW846-6010
Beryllium	U	0.015	mg/L			SW846-6010
Cadmium	U	0.025	mg/L			SW846-6010
Calcium		45.1	mg/L			SW846-6010
Chromium	U	0.06	mg/L			SW846-6010
Cobalt	U	0.045	mg/L			SW846-6010
Copper	U	0.025	mg/L			SW846-6010
Iron	U	0.355	mg/L			SW846-6010
Magnesium		12.3	mg/L			SW846-6010
Manganese		0.193	mg/L			SW846-6010
Nickel		0.442	mg/L			SW846-6010
Potassium	U	10.5	mg/L			SW846-6010
Sodium		87.3	mg/L			SW846-6010
Uranium		0.001	mg/L			SA-U-8
Zinc	U	0.03	mg/L			SW846-6010
<b>PHYSC</b>						
Dissolved Solids		448	mg/L			W-140
Silica		26	mg/L			W-130

**MW180**

**EM-GW-95**

**Groundwater Monitoring 1995**

Specific Conductivity (PIP)		800	umho/cm		SA-COND
Turbidity		230	NTU		W-170
<b>PPCB</b>					
Polychlorinated biphenyl	<	0.00017	mg/L		SW846-8080
<b>RADS</b>					
Alpha activity		-10.7	pCi/L	-10.7	R-4
Beta activity		26	pCi/L	3	R-4
Radon-222		519	pCi/L	66	R-51
Technetium-99		37	pCi/L	22	R-46

**6335-95**

Collected: 5/4/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)		1	mg/L			W-150
<b>Field P</b>						
pH		6.8	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		814	umho/cm			SA-COND

**MW182**

**EM-GW-95**

**Groundwater Monitoring 1995**

**6338-95**

Collected: 5/3/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		14.42	ft			
Dissolved Oxygen		2.49	mg/L			
pH		6.3	Std Unit			
Temperature		58	deg F			
<b>METAL</b>						
Arsenic		0.008	mg/L			SW846-7060
Barium		0.897	mg/L			SW846-6010
Beryllium	U	0.015	mg/L			SW846-6010
Cadmium	U	0.025	mg/L			SW846-6010
Calcium		128	mg/L			SW846-6010
Chromium	U	0.06	mg/L			SW846-6010
Cobalt	U	0.045	mg/L			SW846-6010
Copper		0.03	mg/L			SW846-6010
Iron		26.9	mg/L			SW846-6010
Magnesium		35.7	mg/L			SW846-6010
Manganese		4.53	mg/L			SW846-6010
Mercury	BU	0.0002	mg/L			SW846-7470
Nickel		0.102	mg/L			SW846-6010
Potassium	J	12.3	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	JU	0.06	mg/L			SW846-6010
Sodium		44	mg/L			SW846-6010
Uranium		0.38	mg/L			SA-U-8
Zinc		0.047	mg/L			SW846-6010
<b>METAL-D</b>						
Barium		0.816	mg/L			SW846-6010
Beryllium	U	0.015	mg/L			SW846-6010
Cadmium	U	0.025	mg/L			SW846-6010
Calcium		121	mg/L			SW846-6010
Chromium	U	0.06	mg/L			SW846-6010
Cobalt	U	0.045	mg/L			SW846-6010
Copper	U	0.025	mg/L			SW846-6010
Iron		10.8	mg/L			SW846-6010
Magnesium		33.8	mg/L			SW846-6010
Manganese		3.75	mg/L			SW846-6010
Nickel	U	0.1	mg/L			SW846-6010
Potassium		13	mg/L			SW846-6010
Sodium		40.3	mg/L			SW846-6010
Uranium		0.41	mg/L			SA-U-8
Zinc	U	0.03	mg/L			SW846-6010
<b>RADS</b>						
Alpha activity		97.9	pCi/L	11.3		R-4
Beta activity		91	pCi/L	6		R-4
Radon-222		351	pCi/L	68		R-51
Technetium-99		44	pCi/L	22		R-46

## MW185

## EM-GW-95

## Groundwater Monitoring 1995

## 5675-95

Collected: 3/14/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Alkalinity		75	mg/L			W-10
Chloride		71.5	mg/L			W-50
Fluoride	U	0.1	mg/L			SA-F-7
Nitrate as Nitrogen		2	mg/L			W-50
Tetraoxo-sulfate(1-)		6.8	mg/L			W-50
Total Organic Carbon (TOC)	U	1	mg/L			W-150
<b>Field P</b>						
Depth to Water		47.34	ft			
Dissolved Oxygen		3.96	mg/L			
pH		6	Std Unit			
Temperature		60	deg F			
<b>METAL</b>						
Arsenic		0.0132	mg/L			SW846-7060
Barium		0.16	mg/L			SW846-6010
Beryllium	U	0.015	mg/L			SW846-6010
Cadmium	U	0.025	mg/L			SW846-6010
Calcium		29.5	mg/L			SW846-6010
Chromium		0.15	mg/L			SW846-6010
Cobalt	U	0.045	mg/L			SW846-6010
Copper	U	0.025	mg/L			SW846-6010
Iron		2.5	mg/L			SW846-6010
Magnesium		11.1	mg/L			SW846-6010
Manganese		0.11	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Nickel		0.25	mg/L			SW846-6010
Potassium	U	10.5	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	U	0.06	mg/L			SW846-6010
Sodium		27.2	mg/L			SW846-6010
Uranium	U	0.001	mg/L			SA-U-8
Zinc	U	0.03	mg/L			SW846-6010
<b>METAL-D</b>						
Arsenic		0.12	mg/L			SW846-7060
Barium		0.16	mg/L			SW846-6010
Cadmium	U	0.025	mg/L			SW846-6010
Calcium		30.4	mg/L			SW846-6010
Chromium	U	0.06	mg/L			SW846-6010
Cobalt	U	0.045	mg/L			SW846-6010
Copper	U	0.025	mg/L			SW846-6010
Iron	U	0.36	mg/L			SW846-6010
Magnesium		11.6	mg/L			SW846-6010
Manganese		0.1	mg/L			SW846-6010
Nickel	N	0.25	mg/L			SW846-6010
Silver	U	0.06	mg/L			SW846-6010
Sodium		28.2	mg/L			SW846-6010
Zinc	U	0.03	mg/L			SW846-6010
<b>PHYSC</b>						
Dissolved Solids		212	mg/L			W-140
Silica		21	mg/L			W-130



**MW185**

**EM-GW-95**

**Groundwater Monitoring 1995**

Specific Conductivity (PIP)	412	umho/cm		SA-COND
Turbidity	23	NTU		W-170

**RADS**

Alpha activity	2.7	pCi/L	2	R-4
Beta activity	379	pCi/L	12	R-4
Radon-222	159	pCi/L	152	R-51
Technetium-99	526	pCi/L	40	R-46

**VOA**

1,1,1-Trichloroethane	U	0.5	mg/L	SW846-8260
1,1-Dichloroethane	U	0.5	mg/L	SW846-8260
Bromodichloromethane	U	0.5	mg/L	SW846-8260
Toluene	U	0.5	mg/L	SW846-8260
Total Xylene	U	1	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.5	mg/L	SW846-8260
Trichloroethene		2.4	mg/L	SW846-8260

**5676-95**

Collected: 3/14/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		414	umho/cm			SA-COND

**5677-95**

Collected: 3/14/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		413	umho/cm			SA-COND

**5678-95**

Collected: 3/14/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		413	umho/cm			SA-COND

**MW185**

**EM-GW-95**

**Groundwater Monitoring 1995**

**6668-95**

Collected: 6/21/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Alkalinity		88	mg/L			IN7405
Chloride		74.8	mg/L			W-50
Fluoride	U	0.1	mg/L			SA-F-7
Nitrate as Nitrogen		1.9	mg/L			W-50
Tetraoxo-sulfate(1-)		6	mg/L			W-50
Total Organic Carbon (TOC)		2	mg/L			W-150
<b>Field P</b>						
Depth to Water		43.69	ft			
Dissolved Oxygen		3.21	mg/L			
pH		6	Std Unit			
Temperature		61	deg F			
<b>METAL</b>						
Arsenic		0.017	mg/L			SW846-7060
Barium		0.162	mg/L			SW846-6010
Beryllium	U	0.015	mg/L			SW846-6010
Cadmium	U	0.025	mg/L			SW846-6010
Calcium	N	31.1	mg/L			SW846-6010
Chromium		0.151	mg/L			SW846-6010
Cobalt	JU	0.045	mg/L			SW846-6010
Copper	U	0.025	mg/L			SW846-6010
Iron		1.91	mg/L			SW846-6010
Magnesium		11	mg/L			SW846-6010
Manganese		0.072	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Nickel		0.183	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	U	0.06	mg/L			SW846-6010
Sodium		29.4	mg/L			SW846-6010
Uranium	U	0.001	mg/L			SA-U-8
Zinc	U	0.03	mg/L			SW846-6010
<b>METAL-D</b>						
Arsenic		0.015	mg/L			SW846-7060
Barium		0.156	mg/L			SW846-6010
Beryllium	U	0.015	mg/L			SW846-6010
Cadmium	U	0.025	mg/L			SW846-6010
Calcium	N	30	mg/L			SW846-6010
Chromium	U	0.06	mg/L			SW846-6010
Cobalt	U	0.045	mg/L			SW846-6010
Copper	U	0.025	mg/L			SW846-6010
Iron	NU	0.355	mg/L			SW846-6010
Magnesium	N	10.8	mg/L			SW846-6010
Manganese		0.053	mg/L			SW846-6010
Nickel		0.151	mg/L			SW846-6010
Silver	U	0.06	mg/L			SW846-6010
Sodium	N	28.7	mg/L			SW846-6010
Zinc	U	0.03	mg/L			SW846-6010
<b>PHYSC</b>						
Dissolved Solids		289	mg/L			IN7475
Silica		20	mg/L			IN7470

**MW185**

**EM-GW-95**

**Groundwater Monitoring 1995**

Specific Conductivity (PIP)	451	umho/cm	SA-COND
Turbidity	13	NTU	IN7490

**RADS**

Alpha activity	-1.9	pCi/L	-0.3	R-4
Beta activity	258	pCi/L	6	R-4
Radon-222	271	pCi/L	66	R-51
Technetium-99	482	pCi/L	23	R-46

**VOA**

1,1,1-Trichloroethane	U	0.5	mg/L	SW846-8260
1,1-Dichloroethane	U	0.5	mg/L	SW846-8260
Bromodichloromethane	U	0.5	mg/L	SW846-8260
Toluene	U	0.5	mg/L	SW846-8260
Total Xylene	U	1	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.5	mg/L	SW846-8260
Trichloroethene		2.5	mg/L	SW846-8260

**6669-95**

Collected: 6/21/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		460	umho/cm			SA-COND

**6670-95**

Collected: 6/21/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)		1	mg/L			W-150
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		456	umho/cm			SA-COND

**6671-95**

Collected: 6/21/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		447	umho/cm			SA-COND

## MW185

## EM-GW-95

## Groundwater Monitoring 1995

## 7517-95

Collected: 9/12/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Alkalinity		75	mg/L			W-10
Chloride		70	mg/L			IN7120
Fluoride	U	0.1	mg/L			SA-F-7
Nitrate as Nitrogen		2.1	mg/L			IN7120
Tetraoxo-sulfate(1-)		6.6	mg/L			IN7120
Total Organic Carbon (TOC)		1	mg/L			W-150
<b>Field P</b>						
Depth to Water		45.51	ft			
Dissolved Oxygen		5.54	mg/L			
pH		6	Std Unit			
Temperature		61	deg F			
<b>METAL</b>						
Arsenic		0.012	mg/L			SW846-7060
Barium		0.142	mg/L			SW846-6010
Beryllium	U	0.015	mg/L			SW846-6010
Cadmium	U	0.025	mg/L			SW846-6010
Calcium	N	27	mg/L			SW846-6010
Chromium	N	0.232	mg/L			SW846-6010
Cobalt	U	0.045	mg/L			SW846-6010
Copper	U	0.025	mg/L			SW846-6010
Iron	B	3.33	mg/L			SW846-6010
Magnesium	N	10.3	mg/L			SW846-6010
Manganese		0.037	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Nickel		0.169	mg/L			SW846-6010
Potassium	JU	10.5	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	U	0.06	mg/L			SW846-6010
Sodium	N	26.5	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Zinc	BU	0.03	mg/L			SW846-6010
<b>METAL-D</b>						
Arsenic		0.011	mg/L			SW846-7060
Barium		0.135	mg/L			SW846-6010
Beryllium	U	0.015	mg/L			SW846-6010
Cadmium	U	0.025	mg/L			SW846-6010
Calcium	N	24.5	mg/L			SW846-6010
Chromium	U	0.06	mg/L			SW846-6010
Cobalt	U	0.045	mg/L			SW846-6010
Copper	U	0.025	mg/L			SW846-6010
Iron	U	0.355	mg/L			SW846-6010
Magnesium	N	9.36	mg/L			SW846-6010
Manganese		0.026	mg/L			SW846-6010
Nickel		0.105	mg/L			SW846-6010
Potassium	U	10.5	mg/L			SW846-6010
Silver	U	0.06	mg/L			SW846-6010
Sodium	N	24.4	mg/L			SW846-6010
Zinc	NU	0.03	mg/L			SW846-6010
<b>PHYSIC</b>						

**MW185**

**EM-GW-95**

**Groundwater Monitoring 1995**

Dissolved Solids		196	mg/L		IN7475
Silica		22	mg/L		IN7470
Specific Conductivity (PIP)		427	umho/cm		IN7125
Turbidity		30	NTU		IN7490

**RADS**

Alpha activity		-2	pCi/L	-0.4	R-4
Beta activity		461	pCi/L	16	R-4
Radon-222		326	pCi/L	60	R-51
Technetium-99		610	pCi/L	24	R-46

**VOA**

1,1,1-Trichloroethane	U	0.25	mg/L		SW846-8260
1,1-Dichloroethane	U	0.25	mg/L		SW846-8260
Bromodichloromethane	U	0.25	mg/L		SW846-8260
cis-1,2-Dichloroethene	U	0.25	mg/L		SW846-8260
Ethylbenzene	U	0.25	mg/L		SW846-8260
Toluene	U	0.25	mg/L		SW846-8260
Total Xylene	U	0.5	mg/L		SW846-8260
trans-1,2-Dichloroethene	U	0.25	mg/L		SW846-8260
Trichloroethene		2.3	mg/L		SW846-8260

**7518-95**

Collected: 9/12/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		427	umho/cm			IN7125

**7519-95**

Collected: 9/12/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		428	umho/cm			IN7125

**7520-95**

Collected: 9/12/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		426	umho/cm			IN7125

**MW185**

**EM-GW-95**

**Groundwater Monitoring 1995**

**8339-95**

Collected: 12/18/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Alkalinity		71	mg/L			IN7405
Chloride		66.7	mg/L			IN7120
Fluoride	U	0.1	mg/L			SA-F-7
Nitrate as Nitrogen		2.2	mg/L			IN7120
Tetraoxo-sulfate(1-)		7.1	mg/L			IN7120
Total Organic Carbon (TOC)		2	mg/L			W-150
<b>Field P</b>						
Depth to Water		48.75	ft			
Dissolved Oxygen		5.54	mg/L			
pH		6	Std Unit			
Temperature		58	deg F			
<b>METAL</b>						
Arsenic		0.012	mg/L			SW846-7060
Barium		0.139	mg/L			SW846-6010
Beryllium	U	0.015	mg/L			SW846-6010
Cadmium	U	0.025	mg/L			SW846-6010
Calcium	N	29.4	mg/L			SW846-6010
Chromium		0.3	mg/L			SW846-6010
Cobalt	U	0.045	mg/L			SW846-6010
Copper	U	0.025	mg/L			SW846-6010
Iron		4.26	mg/L			SW846-6010
Magnesium	N	11.5	mg/L			SW846-6010
Manganese		0.026	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Nickel		0.131	mg/L			SW846-6010
Potassium	*U	10.5	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	U	0.06	mg/L			SW846-6010
Sodium	N	29	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Zinc		0.031	mg/L			SW846-6010
<b>METAL-D</b>						
Arsenic		0.012	mg/L			SW846-7060
Barium		0.115	mg/L			SW846-6010
Beryllium	U	0.015	mg/L			SW846-6010
Cadmium	U	0.025	mg/L			SW846-6010
Calcium	N	25	mg/L			SW846-6010
Chromium	U	0.06	mg/L			SW846-6010
Cobalt	U	0.045	mg/L			SW846-6010
Copper	U	0.025	mg/L			SW846-6010
Iron	U	0.355	mg/L			SW846-6010
Magnesium	N	10	mg/L			SW846-6010
Manganese		0.024	mg/L			SW846-6010
Nickel		0.138	mg/L			SW846-6010
Silver	U	0.06	mg/L			SW846-6010
Sodium	N*	23.4	mg/L			SW846-6010
Zinc	U	0.03	mg/L			SW846-6010
<b>PHYSC</b>						
Dissolved Solids		260	mg/L			IN7475

**MW185**

**EM-GW-95**

**Groundwater Monitoring 1995**

Silica	23	mg/L	IN7470
Specific Conductivity (PIP)	401	umho/cm	IN7125
Turbidity	33	NTU	IN7490

**RADS**

Alpha activity	6.2	pCi/L	1.4	R-4
Beta activity	456	pCi/L	16	R-4
Radon-222	316	pCi/L	60	R-51
Technetium-99	641	pCi/L	25	RL-7100

**VOA**

1,1,1-Trichloroethane	U	0.25	mg/L	SW846-8260
1,1-Dichloroethane	U	0.25	mg/L	SW846-8260
Bromodichloromethane	U	0.25	mg/L	SW846-8260
cis-1,2-Dichloroethene	U	0.25	mg/L	SW846-8260
Ethylbenzene	U	0.25	mg/L	SW846-8260
Toluene	U	0.25	mg/L	SW846-8260
Total Xylene	U	0.5	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.25	mg/L	SW846-8260
Trichloroethene		2.5	mg/L	SW846-8260

**8340-95**

Collected: 12/18/1995      Media Type: WG      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		403	umho/cm			IN7125

**8341-95**

Collected: 12/18/1995      Media Type: WG      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		403	umho/cm			IN7125

**8342-95**

Collected: 12/18/1995      Media Type: WG      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		404	umho/cm			IN7125

**MW186**

**EM-GW-95**

**Groundwater Monitoring 1995**

**5679-95**

Collected: 3/14/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Alkalinity		162	mg/L			W-10
Chloride		560.3	mg/L			W-50
Fluoride	U	0.1	mg/L			SA-F-7
Nitrate as Nitrogen	U	1	mg/L			W-50
Tetraoxo-sulfate(1-)		36.9	mg/L			W-50
Total Organic Carbon (TOC)		38	mg/L			W-150
<b>Field P</b>						
Depth to Water		7.11	ft			
Dissolved Oxygen		2.46	mg/L			
pH		5.7	Std Unit			
Temperature		59	deg F			
<b>METAL</b>						
Arsenic		0.15	mg/L			SW846-7060
Barium		0.47	mg/L			SW846-6010
Beryllium	U	0.015	mg/L			SW846-6010
Cadmium	U	0.025	mg/L			SW846-6010
Calcium		76.5	mg/L			SW846-6010
Chromium	U	0.06	mg/L			SW846-6010
Cobalt	U	0.045	mg/L			SW846-6010
Copper	U	0.025	mg/L			SW846-6010
Iron		0.42	mg/L			SW846-6010
Magnesium		43.5	mg/L			SW846-6010
Manganese		0.51	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Nickel	U	0.1	mg/L			SW846-6010
Potassium	U	10.5	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	U	0.06	mg/L			SW846-6010
Sodium	J>	235	mg/L			SW846-6010
Uranium	U	0.001	mg/L			SA-U-8
Zinc	U	0.03	mg/L			SW846-6010
<b>METAL-D</b>						
Arsenic		0.14	mg/L			SW846-7060
Barium		0.52	mg/L			SW846-6010
Cadmium	U	0.025	mg/L			SW846-6010
Calcium		85.7	mg/L			SW846-6010
Chromium	U	0.06	mg/L			SW846-6010
Cobalt	U	0.045	mg/L			SW846-6010
Copper	U	0.025	mg/L			SW846-6010
Iron		0.41	mg/L			SW846-6010
Magnesium		47.9	mg/L			SW846-6010
Manganese		0.55	mg/L			SW846-6010
Silver	U	0.06	mg/L			SW846-6010
Sodium		260	mg/L			SW846-6010
Zinc	U	0.03	mg/L			SW846-6010
<b>PHYSC</b>						
Dissolved Solids		1219	mg/L			W-140
Silica		57	mg/L			W-130
Specific Conductivity (PIP)		2140	umho/cm			SA-COND



**MW186**

**EM-GW-95**

**Groundwater Monitoring 1995**

Turbidity		14	NTU		W-170
<b>RADS</b>					
Alpha activity		0.7	pCi/L	0.5	R-4
Beta activity		72	pCi/L	14	R-4
Radon-222		132	pCi/L	144	R-51
Technetium-99		62	pCi/L	22	R-46
<b>VOA</b>					
1,1,1-Trichloroethane	U	0.5	mg/L		SW846-8260
1,1-Dichloroethane	U	0.5	mg/L		SW846-8260
Bromodichloromethane	U	0.5	mg/L		SW846-8260
cis-1,2-Dichloroethene		1.6	mg/L		SW846-8260
Toluene	U	0.5	mg/L		SW846-8260
Total Xylene	U	1	mg/L		SW846-8260
trans-1,2-Dichloroethene	U	0.5	mg/L		SW846-8260
Trichloroethene		0.49	mg/L		SW846-8260
Vinyl chloride		1.8	mg/L		SW846-8260

**5680-95**

Collected: 3/14/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)		40	mg/L			W-150
<b>Field P</b>						
pH		5.8	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		2240	umho/cm			SA-COND

**5681-95**

Collected: 3/14/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)		40	mg/L			W-150
<b>Field P</b>						
pH		5.8	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		2240	umho/cm			SA-COND

**5682-95**

Collected: 3/14/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)		40	mg/L			W-150
<b>Field P</b>						
pH		5.8	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		2240	umho/cm			SA-COND

MW186

EM-GW-95

## Groundwater Monitoring 1995

6672-95

Collected: 6/21/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		7.96	ft			
Dissolved Oxygen		3.86	mg/L			
pH		5.7	Std Unit			
Temperature		61	deg F			
<b>METAL</b>						
Arsenic		0.175	mg/L			SW846-7060
Barium		0.471	mg/L			SW846-6010
Beryllium	U	0.015	mg/L			SW846-6010
Cadmium	U	0.025	mg/L			SW846-6010
Calcium	N	77.8	mg/L			SW846-6010
Chromium	U	0.06	mg/L			SW846-6010
Cobalt	JU	0.045	mg/L			SW846-6010
Copper	U	0.025	mg/L			SW846-6010
Iron		0.589	mg/L			SW846-6010
Magnesium		41.4	mg/L			SW846-6010
Manganese		0.383	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Nickel	U	0.1	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	U	0.06	mg/L			SW846-6010
Sodium		233	mg/L			SW846-6010
Uranium	U	0.001	mg/L			SA-U-8
Zinc	U	0.03	mg/L			SW846-6010
<b>RADS</b>						
Alpha activity		12	pCi/L	2.8		R-4
Beta activity		91	pCi/L	5		R-4
Radon-222		12	pCi/L	10		R-51
Technetium-99		51	pCi/L	14		R-46
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.5	mg/L			SW846-8260
1,1-Dichloroethane	U	0.5	mg/L			SW846-8260
Bromodichloromethane	U	0.5	mg/L			SW846-8260
cis-1,2-Dichloroethene		2.9	mg/L			SW846-8260
Toluene	U	0.5	mg/L			SW846-8260
Total Xylene	U	1	mg/L			SW846-8260
trans-1,2-Dichloroethene	U	0.5	mg/L			SW846-8260
Trichloroethene		0.67	mg/L			SW846-8260
Vinyl chloride		3.8	mg/L			SW846-8260

**MW186**

**EM-GW-95**

**Groundwater Monitoring 1995**

**7521-95**

Collected: 9/12/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Alkalinity		181	mg/L			W-10
Chloride		531.8	mg/L			IN7120
Fluoride	U	0.1	mg/L			SA-F-7
Nitrate as Nitrogen	U	1	mg/L			IN7120
Tetraoxo-sulfate(1-)		34.6	mg/L			IN7120
Total Organic Carbon (TOC)		41	mg/L			W-150
<b>Field P</b>						
Depth to Water		8.75	ft			
Dissolved Oxygen		0.34	mg/L			
pH		5.7	Std Unit			
Temperature		64	deg F			
<b>METAL</b>						
Arsenic		0.162	mg/L			SW846-7060
Barium		0.441	mg/L			SW846-6010
Beryllium	U	0.015	mg/L			SW846-6010
Cadmium	U	0.025	mg/L			SW846-6010
Calcium	N	66.5	mg/L			SW846-6010
Chromium	BU	0.06	mg/L			SW846-6010
Cobalt	U	0.045	mg/L			SW846-6010
Copper	U	0.025	mg/L			SW846-6010
Iron	B	0.538	mg/L			SW846-6010
Magnesium	N	37.3	mg/L			SW846-6010
Manganese		0.41	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Nickel	U	0.1	mg/L			SW846-6010
Potassium	JU	10.5	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	U	0.06	mg/L			SW846-6010
Sodium	N	229	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Zinc	B	0.031	mg/L			SW846-6010
<b>METAL-D</b>						
Arsenic		0.173	mg/L			SW846-7060
Barium		0.489	mg/L			SW846-6010
Beryllium	U	0.015	mg/L			SW846-6010
Cadmium	U	0.025	mg/L			SW846-6010
Calcium	N	79.8	mg/L			SW846-6010
Chromium	NU	0.06	mg/L			SW846-6010
Cobalt	U	0.045	mg/L			SW846-6010
Copper	U	0.025	mg/L			SW846-6010
Iron		0.361	mg/L			SW846-6010
Magnesium	N	38.4	mg/L			SW846-6010
Manganese		0.35	mg/L			SW846-6010
Nickel	U	0.1	mg/L			SW846-6010
Potassium	U	10.5	mg/L			SW846-6010
Silver	U	0.06	mg/L			SW846-6010
Sodium	N	222	mg/L			SW846-6010
Zinc	N	0.04	mg/L			SW846-6010
<b>PHYSC</b>						

**MW186**

**EM-GW-95**

**Groundwater Monitoring 1995**

Dissolved Solids	1323	mg/L	IN7475
Silica	57	mg/L	IN7470
Specific Conductivity (PIP)	2190	umho/cm	IN7125
Turbidity	14	NTU	IN7490

**RADS**

Alpha activity	11.8	pCi/L	5	R-4
Beta activity	187	pCi/L	23	R-4
Radon-222	180	pCi/L	53	R-51
Technetium-99	48	pCi/L	12	R-46

**VOA**

1,1,1-Trichloroethane	U	0.25	mg/L	SW846-8260
1,1-Dichloroethane	U	0.25	mg/L	SW846-8260
Bromodichloromethane	U	0.25	mg/L	SW846-8260
cis-1,2-Dichloroethene		1.4	mg/L	SW846-8260
Ethylbenzene	U	0.25	mg/L	SW846-8260
Toluene	U	0.25	mg/L	SW846-8260
Total Xylene	U	0.5	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.25	mg/L	SW846-8260
Trichloroethene		0.38	mg/L	SW846-8260
Vinyl chloride		3	mg/L	SW846-8260

**7522-95**

Collected: 9/12/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)		42	mg/L			W-150
<b>Field P</b>						
pH		5.7	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		2210	umho/cm			IN7125

**7523-95**

Collected: 9/12/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)		41	mg/L			W-150
<b>Field P</b>						
pH		5.7	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		2220	umho/cm			IN7125

**7524-95**

Collected: 9/12/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)		40	mg/L			W-150
<b>Field P</b>						
pH		5.7	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		2230	umho/cm			IN7125

## MW186

## EM-GW-95

## Groundwater Monitoring 1995

## 8343-95

Collected: 12/18/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Alkalinity		165	mg/L			IN7405
Chloride		501.2	mg/L			IN7120
Fluoride	U	0.1	mg/L			SA-F-7
Nitrate as Nitrogen	U	1	mg/L			IN7120
Tetraoxo-sulfate(1-)		31.7	mg/L			IN7120
Total Organic Carbon (TOC)		50	mg/L			W-150
<b>Field P</b>						
Depth to Water		8.78	ft			
Dissolved Oxygen		0.34	mg/L			
pH		5.9	Std Unit			
Temperature		60	deg F			
<b>METAL</b>						
Arsenic		0.141	mg/L			SW846-7060
Barium		0.468	mg/L			SW846-6010
Beryllium	U	0.015	mg/L			SW846-6010
Cadmium	U	0.025	mg/L			SW846-6010
Calcium	N	71.1	mg/L			SW846-6010
Chromium		0.063	mg/L			SW846-6010
Cobalt	U	0.045	mg/L			SW846-6010
Copper	U	0.025	mg/L			SW846-6010
Iron		0.361	mg/L			SW846-6010
Magnesium	N	40.7	mg/L			SW846-6010
Manganese		0.526	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Nickel	U	0.1	mg/L			SW846-6010
Potassium	*U	10.5	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	U	0.06	mg/L			SW846-6010
Sodium	N	255	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Zinc		0.034	mg/L			SW846-6010
<b>METAL-D</b>						
Arsenic		0.169	mg/L			SW846-7060
Barium		0.412	mg/L			SW846-6010
Beryllium	U	0.015	mg/L			SW846-6010
Cadmium	U	0.025	mg/L			SW846-6010
Calcium	N	64.2	mg/L			SW846-6010
Chromium	U	0.06	mg/L			SW846-6010
Cobalt	U	0.045	mg/L			SW846-6010
Copper	U	0.025	mg/L			SW846-6010
Iron	U	0.355	mg/L			SW846-6010
Magnesium	N	37.2	mg/L			SW846-6010
Manganese		0.418	mg/L			SW846-6010
Nickel	U	0.1	mg/L			SW846-6010
Silver	U	0.06	mg/L			SW846-6010
Sodium	N*	213	mg/L			SW846-6010
Zinc	U	0.03	mg/L			SW846-6010
<b>PHYSC</b>						
Dissolved Solids		1218	mg/L			IN7475

**MW186**

**EM-GW-95**

**Groundwater Monitoring 1995**

Silica	58	mg/L	IN7470
Specific Conductivity (PIP)	2000	umho/cm	IN7125
Turbidity	3.1	NTU	IN7490

**RADS**

Alpha activity	-4	pCi/L	-2.3	R-4
Beta activity	56	pCi/L	8	R-4
Radon-222	247	pCi/L	56	R-51
Technetium-99	27	pCi/L	12	RL-7100

**VOA**

1,1,1-Trichloroethane	U	0.25	mg/L	SW846-8260
1,1-Dichloroethane	U	0.25	mg/L	SW846-8260
Bromodichloromethane	U	0.25	mg/L	SW846-8260
cis-1,2-Dichloroethene		1.7	mg/L	SW846-8260
Ethylbenzene	U	0.25	mg/L	SW846-8260
Toluene	U	0.25	mg/L	SW846-8260
Total Xylene	U	0.5	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.25	mg/L	SW846-8260
Trichloroethene		0.38	mg/L	SW846-8260
Vinyl chloride		1.8	mg/L	SW846-8260

**8344-95**

Collected: 12/18/1995      Media Type: WG      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)		51	mg/L			W-150
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		2140	umho/cm			IN7125

**8345-95**

Collected: 12/18/1995      Media Type: WG      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)		51	mg/L			W-150
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		2160	umho/cm			IN7125

**8346-95**

Collected: 12/18/1995      Media Type: WG      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)		50	mg/L			W-150
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		2170	umho/cm			IN7125

**MW187**

**EM-GW-95**

**Groundwater Monitoring 1995**

**5683-95**

Collected: 3/14/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Alkalinity		226	mg/L			W-10
Chloride		133.9	mg/L			W-50
Fluoride		0.2	mg/L			SA-F-7
Nitrate as Nitrogen	U	1	mg/L			W-50
Tetraoxo-sulfate(1-)		11.6	mg/L			W-50
Total Organic Carbon (TOC)		3	mg/L			W-150
<b>Field P</b>						
Depth to Water		8.46	ft			
Dissolved Oxygen		3	mg/L			
pH		6.3	Std Unit			
Temperature		60	deg F			
<b>METAL</b>						
Arsenic		0.0058	mg/L			SW846-7060
Barium		0.23	mg/L			SW846-6010
Beryllium	U	0.015	mg/L			SW846-6010
Cadmium	U	0.025	mg/L			SW846-6010
Calcium		31.1	mg/L			SW846-6010
Chromium		0.07	mg/L			SW846-6010
Cobalt	U	0.045	mg/L			SW846-6010
Copper	U	0.025	mg/L			SW846-6010
Iron		1.4	mg/L			SW846-6010
Magnesium		14	mg/L			SW846-6010
Manganese		0.14	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Nickel		0.7	mg/L			SW846-6010
Potassium	U	10.5	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	U	0.06	mg/L			SW846-6010
Sodium		118	mg/L			SW846-6010
Uranium	U	0.001	mg/L			SA-U-8
Zinc	U	0.03	mg/L			SW846-6010
<b>METAL-D</b>						
Arsenic		0.0058	mg/L			SW846-7060
Barium		0.25	mg/L			SW846-6010
Cadmium	U	0.025	mg/L			SW846-6010
Calcium		34.7	mg/L			SW846-6010
Chromium	U	0.06	mg/L			SW846-6010
Cobalt	U	0.045	mg/L			SW846-6010
Copper	U	0.025	mg/L			SW846-6010
Iron	U	0.36	mg/L			SW846-6010
Magnesium		15.2	mg/L			SW846-6010
Manganese		0.22	mg/L			SW846-6010
Nickel	N	1.2	mg/L			SW846-6010
Silver	U	0.06	mg/L			SW846-6010
Sodium		134	mg/L			SW846-6010
Zinc	U	0.03	mg/L			SW846-6010
<b>PHYSC</b>						
Dissolved Solids		453	mg/L			W-140
Silica		32	mg/L			W-130

**MW187**

**EM-GW-95**

**Groundwater Monitoring 1995**

Specific Conductivity (PIP)	887	umho/cm	SA-COND
Turbidity	14	NTU	W-170

**RADS**

Alpha activity	2.4	pCi/L	1.7	R-4
Beta activity	2	pCi/L	2	R-4
Radon-222	604	pCi/L	179	R-51
Technetium-99	15	pCi/L	27	R-46

**VOA**

1,1,1-Trichloroethane	U	0.025	mg/L	SW846-8260
1,1-Dichloroethane	U	0.025	mg/L	SW846-8260
Benzene	U	0.025	mg/L	SW846-8260
Bromodichloromethane	U	0.025	mg/L	SW846-8260
cis-1,2-Dichloroethene		0.057	mg/L	SW846-8260
Ethylbenzene	U	0.025	mg/L	SW846-8260
Tetrachloroethene	U	0.025	mg/L	SW846-8260
Toluene	U	0.025	mg/L	SW846-8260
Total Xylene	U	0.05	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.025	mg/L	SW846-8260
Trichloroethene		0.45	mg/L	SW846-8260

**5684-95**

Collected: 3/14/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)		3	mg/L			W-150
<b>Field P</b>						
pH		6.4	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		895	umho/cm			SA-COND

**5685-95**

Collected: 3/14/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)		3	mg/L			W-150
<b>Field P</b>						
pH		6.3	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		900	umho/cm			SA-COND

**5686-95**

Collected: 3/14/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)		3	mg/L			W-150
<b>Field P</b>						
pH		6.3	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		903	umho/cm			SA-COND



**MW187**

**EM-GW-95**

**Groundwater Monitoring 1995**

**7525-95**

Collected: 9/12/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Alkalinity		33	mg/L			W-10
Chloride		136.1	mg/L			IN7120
Fluoride		0.19	mg/L			SA-F-7
Nitrate as Nitrogen	U	1	mg/L			IN7120
Tetraoxo-sulfate(1-)		12.6	mg/L			IN7120
Total Organic Carbon (TOC)		3	mg/L			W-150
<b>Field P</b>						
Depth to Water		9.97	ft			
Dissolved Oxygen		1.78	mg/L			
pH		6.2	Std Unit			
Temperature		62	deg F			
<b>METAL</b>						
Arsenic		0.006	mg/L			SW846-7060
Barium		0.235	mg/L			SW846-6010
Beryllium	U	0.015	mg/L			SW846-6010
Cadmium	U	0.025	mg/L			SW846-6010
Calcium	N	31.3	mg/L			SW846-6010
Chromium	B	0.064	mg/L			SW846-6010
Cobalt	U	0.045	mg/L			SW846-6010
Copper	U	0.025	mg/L			SW846-6010
Iron	B	1.01	mg/L			SW846-6010
Magnesium	N	13.8	mg/L			SW846-6010
Manganese		0.087	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Nickel		0.639	mg/L			SW846-6010
Potassium	JU	10.5	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	U	0.06	mg/L			SW846-6010
Sodium	N	121	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Zinc	B	0.049	mg/L			SW846-6010
<b>METAL-D</b>						
Arsenic		0.006	mg/L			SW846-7060
Barium		0.227	mg/L			SW846-6010
Beryllium	U	0.015	mg/L			SW846-6010
Cadmium	U	0.025	mg/L			SW846-6010
Calcium	N	31.6	mg/L			SW846-6010
Chromium	NU	0.06	mg/L			SW846-6010
Cobalt	U	0.045	mg/L			SW846-6010
Copper	U	0.025	mg/L			SW846-6010
Iron	U	0.355	mg/L			SW846-6010
Magnesium	N	12.2	mg/L			SW846-6010
Manganese		0.073	mg/L			SW846-6010
Nickel		0.565	mg/L			SW846-6010
Potassium	U	10.5	mg/L			SW846-6010
Silver	U	0.06	mg/L			SW846-6010
Sodium	N	113	mg/L			SW846-6010
Zinc	N	0.035	mg/L			SW846-6010
<b>PHYSC</b>						

**MW187**

**EM-GW-95**

**Groundwater Monitoring 1995**

Dissolved Solids	467	mg/L	IN7475
Silica	34	mg/L	IN7470
Specific Conductivity (PIP)	908	umho/cm	IN7125
Turbidity	10	NTU	IN7490

**RADS**

Alpha activity	1.4	pCi/L	0.6	R-4
Beta activity	2	pCi/L	0	R-4
Radon-222	687	pCi/L	76	R-51
Technetium-99	12	pCi/L	10	R-46

**VOA**

1,1,1-Trichloroethane	U	0.05	mg/L	SW846-8260
1,1-Dichloroethane	U	0.05	mg/L	SW846-8260
Bromodichloromethane	U	0.05	mg/L	SW846-8260
cis-1,2-Dichloroethene	U	0.05	mg/L	SW846-8260
Ethylbenzene	U	0.05	mg/L	SW846-8260
Tetrachloroethene	U	0.05	mg/L	SW846-8260
Toluene	U	0.05	mg/L	SW846-8260
Total Xylene	U	0.1	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.05	mg/L	SW846-8260
Trichloroethene		0.39	mg/L	SW846-8260

**7526-95**

Collected: 9/12/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)		3	mg/L			W-150
<b>Field P</b>						
pH		6.2	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		904	umho/cm			IN7125

**7527-95**

Collected: 9/12/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)		3	mg/L			W-150
<b>Field P</b>						
pH		6.2	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		903	umho/cm			IN7125

**7528-95**

Collected: 9/12/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)		3	mg/L			W-150
<b>Field P</b>						
pH		6.2	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		906	umho/cm			IN7125

**MW187**

**EM-GW-95**

**Groundwater Monitoring 1995**

**8347-95**

Collected: 12/18/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Alkalinity		196	mg/L			IN7405
Chloride		170.2	mg/L			IN7120
Fluoride		0.15	mg/L			SA-F-7
Nitrate as Nitrogen	U	1	mg/L			IN7120
Tetraoxo-sulfate(1-)		7.6	mg/L			IN7120
Total Organic Carbon (TOC)		3	mg/L			W-150
<b>Field P</b>						
Depth to Water		9.95	ft			
Dissolved Oxygen		2.56	mg/L			
pH		6.4	Std Unit			
Temperature		60	deg F			
<b>METAL</b>						
Arsenic		0.011	mg/L			SW846-7060
Barium		0.252	mg/L			SW846-6010
Beryllium	U	0.015	mg/L			SW846-6010
Cadmium	U	0.025	mg/L			SW846-6010
Calcium	N	35	mg/L			SW846-6010
Chromium		0.069	mg/L			SW846-6010
Cobalt	U	0.045	mg/L			SW846-6010
Copper	U	0.025	mg/L			SW846-6010
Iron		0.513	mg/L			SW846-6010
Magnesium	N	15.9	mg/L			SW846-6010
Manganese		0.051	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Nickel		0.606	mg/L			SW846-6010
Potassium	*U	10.5	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	U	0.06	mg/L			SW846-6010
Sodium	N	127	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Zinc	U	0.03	mg/L			SW846-6010
<b>METAL-D</b>						
Arsenic		0.01	mg/L			SW846-7060
Barium		0.222	mg/L			SW846-6010
Beryllium	U	0.015	mg/L			SW846-6010
Cadmium	U	0.025	mg/L			SW846-6010
Calcium	N	30.6	mg/L			SW846-6010
Chromium	U	0.06	mg/L			SW846-6010
Cobalt	U	0.045	mg/L			SW846-6010
Copper	U	0.025	mg/L			SW846-6010
Iron	U	0.355	mg/L			SW846-6010
Magnesium	N	14.1	mg/L			SW846-6010
Manganese		0.054	mg/L			SW846-6010
Nickel		0.718	mg/L			SW846-6010
Silver	U	0.06	mg/L			SW846-6010
Sodium	N*	112	mg/L			SW846-6010
Zinc	U	0.03	mg/L			SW846-6010
<b>PHYSIC</b>						
Dissolved Solids		536	mg/L			IN7475

**MW187**

**EM-GW-95**

**Groundwater Monitoring 1995**

Silica	33	mg/L	IN7470
Specific Conductivity (PIP)	937	umho/cm	IN7125
Turbidity	11	NTU	IN7490

**RADS**

Alpha activity	6.8	pCi/L	3.1	R-4
Beta activity	9	pCi/L	2	R-4
Radon-222	801	pCi/L	80	R-51
Technetium-99	0	pCi/L	0	RL-7100

**VOA**

1,1,1-Trichloroethane	U	0.05	mg/L	SW846-8260
1,1-Dichloroethane	U	0.05	mg/L	SW846-8260
Bromodichloromethane	U	0.05	mg/L	SW846-8260
cis-1,2-Dichloroethene	U	0.05	mg/L	SW846-8260
Ethylbenzene	U	0.05	mg/L	SW846-8260
Tetrachloroethene	U	0.05	mg/L	SW846-8260
Toluene	U	0.05	mg/L	SW846-8260
Total Xylene	U	0.1	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.05	mg/L	SW846-8260
Trichloroethene		0.42	mg/L	SW846-8260

**8348-95**

Collected: 12/18/1995      Media Type: WG      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)		3	mg/L			W-150
<b>Field P</b>						
pH		6.4	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		938	umho/cm			IN7125

**8349-95**

Collected: 12/18/1995      Media Type: WG      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)		3	mg/L			W-150
<b>Field P</b>						
pH		6.4	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		938	umho/cm			IN7125

**8350-95**

Collected: 12/18/1995      Media Type: WG      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)		3	mg/L			W-150
<b>Field P</b>						
pH		6.4	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		940	umho/cm			IN7125

**MW245**

**EM-GW-95**

**Groundwater Monitoring 1995**

**6080-95**

Collected: 3/27/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
<b>Field P</b>						
pH		5.8	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		439	umho/cm			SA-COND

**6081-95**

Collected: 3/27/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
<b>Field P</b>						
pH		5.8	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		439	umho/cm			SA-COND

**6082-95**

Collected: 3/27/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)		1	mg/L			W-150
<b>Field P</b>						
pH		5.8	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		439	umho/cm			SA-COND

**MW245**

**EM-GW-95**

**Groundwater Monitoring 1995**

**7130-95**

Collected: 7/31/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Alkalinity		178	mg/L			IN7405
Chloride		24.4	mg/L			IN7120
Fluoride		0.59	mg/L			SA-F-7
Nitrate as Nitrogen		2.1	mg/L			IN7120
Tetraoxo-sulfate(1-)		39.1	mg/L			IN7120
Total Phosphate as Phosphorus		4.5	mg/L			W-120
<b>Field P</b>						
Depth to Water		38.77	ft			
Dissolved Oxygen		2.02	mg/L			
pH		6.8	Std Unit			
Temperature		64	deg F			
<b>METAL</b>						
Aluminum	N	143	mg/L			SW846-6010
Calcium	N	40.8	mg/L			SW846-6010
Iron	N	226	mg/L			SW846-6010
Magnesium		28.8	mg/L			SW846-6010
Manganese		7.28	mg/L			SW846-6010
Potassium	U	10.5	mg/L			SW846-6010
Sodium	N	99.1	mg/L			SW846-6010
<b>METAL-D</b>						
Aluminum	N	3.51	mg/L			SW846-6010
Calcium	N	19.2	mg/L			SW846-6010
Iron		3.23	mg/L			SW846-6010
Magnesium	N	8.56	mg/L			SW846-6010
Manganese		1.99	mg/L			SW846-6010
Potassium	U	10.5	mg/L			SW846-6010
Sodium	N	81.2	mg/L			SW846-6010
<b>PHYSC</b>						
Silica		30	mg/L			IN7470
Specific Conductivity (PIP)		549	umho/cm			IN7125
Turbidity	H	4200	NTU			IN7490
<b>RADS</b>						
Alpha activity		9.6	pCi/L	4.2		R-4
Beta activity		14	pCi/L	3		R-4
Radon-222		183	pCi/L	65		R-51
Technetium-99		10	pCi/L	10		R-46
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1-Dichloroethane	U	0.005	mg/L			SW846-8260
1,2-Dichloroethane	U	0.005	mg/L			SW846-8260
Benzene	U	0.005	mg/L			SW846-8260
Bromodichloromethane	U	0.005	mg/L			SW846-8260
Carbon tetrachloride	U	0.005	mg/L			SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L			SW846-8260
Ethylbenzene	U	0.005	mg/L			SW846-8260
Tetrachloroethene	U	0.005	mg/L			SW846-8260
Toluene	U	0.005	mg/L			SW846-8260
Total Xylene	U	0.01	mg/L			SW846-8260

**MW245**

**EM-GW-95**

**Groundwater Monitoring 1995**

trans-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
Trichloroethene		0.007	mg/L	SW846-8260

**7131-95**

Collected: 7/31/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		498	umho/cm			IN7125

**7132-95**

Collected: 7/31/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		531	umho/cm			IN7125

**7133-95**

Collected: 7/31/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		482	umho/cm			IN7125

**MW245**

**EM-GW-95**

**Groundwater Monitoring 1995**

**7254-95**

Collected: 8/29/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Alkalinity		171	mg/L			IN7405
Chloride		21.4	mg/L			W-50
Fluoride		0.53	mg/L			SA-F-7
Nitrate as Nitrogen	U	1	mg/L			W-50
Tetraoxo-sulfate(1-)		30.2	mg/L			W-50
<b>Field P</b>						
Depth to Water		39.78	ft			
Dissolved Oxygen		4.75	mg/L			
pH		6.6	Std Unit			
Temperature		61	deg F			
<b>METAL</b>						
Aluminum	N	3.18	mg/L			SW846-6010
Calcium	N	21.1	mg/L			SW846-6010
Iron	N	2.92	mg/L			SW846-6010
Magnesium	N	8.99	mg/L			SW846-6010
Manganese		2.65	mg/L			SW846-6010
Potassium	NU	10.5	mg/L			SW846-6010
Sodium	N	53.5	mg/L			SW846-6010
<b>METAL-D</b>						
Aluminum	N	0.897	mg/L			SW846-6010
Calcium	N	16.7	mg/L			SW846-6010
Iron		0.498	mg/L			SW846-6010
Magnesium	N	7.06	mg/L			SW846-6010
Manganese		2.11	mg/L			SW846-6010
Potassium	U	10.5	mg/L			SW846-6010
Sodium	N	43.1	mg/L			SW846-6010
<b>PHYSC</b>						
Silica		32	mg/L			IN7470
Specific Conductivity (PIP)		439	umho/cm			IN7125
Turbidity		2000	NTU			IN7490
<b>RADS</b>						
Alpha activity		2.4	pCi/L			R-4
Beta activity		8	pCi/L			R-4
Radon-222		103	pCi/L	53		R-51
Technetium-99		16	pCi/L	10		R-46
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1-Dichloroethane	U	0.005	mg/L			SW846-8260
1,2-Dichloroethane	U	0.005	mg/L			SW846-8260
Benzene	U	0.005	mg/L			SW846-8260
Bromodichloromethane	U	0.005	mg/L			SW846-8260
Carbon tetrachloride	U	0.005	mg/L			SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L			SW846-8260
Ethylbenzene	U	0.005	mg/L			SW846-8260
Tetrachloroethene	U	0.005	mg/L			SW846-8260
Toluene	U	0.005	mg/L			SW846-8260
Total Xylene	U	0.01	mg/L			SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L			SW846-8260



**MW245**

**EM-GW-95**

**Groundwater Monitoring 1995**

Trichloroethene 0.015 mg/L SW846-8260

**7255-95**

Collected: 8/29/1995 Media Type: WG Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.7	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		480	umho/cm			IN7125

**7256-95**

Collected: 8/29/1995 Media Type: WG Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		453	umho/cm			IN7125

**7257-95**

Collected: 8/29/1995 Media Type: WG Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.7	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		427	umho/cm			IN7125

## MW245

## EM-GW-95

## Groundwater Monitoring 1995

## 7385-95

Collected: 9/19/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Alkalinity		147	mg/L			IN7405
Chloride		19.2	mg/L			IN7120
Fluoride		0.45	mg/L			SA-F-7
Nitrate as Nitrogen	U	1	mg/L			IN7120
Tetraoxo-sulfate(1-)		22.5	mg/L			IN7120
Total Phosphate as Phosphorus	U	2	mg/L			IN7120
<b>Field P</b>						
Depth to Water		41.05	ft			
Dissolved Oxygen		3.06	mg/L			
pH		6.6	Std Unit			
Temperature		60	deg F			
<b>METAL</b>						
Aluminum	N	16.2	mg/L			SW846-6010
Calcium	N	22	mg/L			SW846-6010
Iron		27.2	mg/L			SW846-6010
Magnesium	N	9.86	mg/L			SW846-6010
Manganese		3	mg/L			SW846-6010
Potassium	U	10.5	mg/L			SW846-6010
Sodium	N*	46.2	mg/L			SW846-6010
<b>METAL-D</b>						
Aluminum	N	1.54	mg/L			SW846-6010
Calcium	N	17.6	mg/L			SW846-6010
Iron		1.5	mg/L			SW846-6010
Magnesium	N	7.38	mg/L			SW846-6010
Manganese		2.4	mg/L			SW846-6010
Sodium	NJ	40.1	mg/L			SW846-6010
<b>PHYSC</b>						
Silica		29	mg/L			IN7470
Specific Conductivity (PIP)		385	umho/cm			IN7125
Turbidity		470	NTU			IN7490
<b>RADS</b>						
Alpha activity		4.1	pCi/L	2.1		R-4
Beta activity		22	pCi/L	4		R-4
Radon-222		394	pCi/L	61		R-51
Technetium-99		26	pCi/L	10		R-46
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1-Dichloroethane	U	0.005	mg/L			SW846-8260
1,2-Dichloroethane	U	0.005	mg/L			SW846-8260
Benzene	U	0.005	mg/L			SW846-8260
Bromodichloromethane	U	0.005	mg/L			SW846-8260
Carbon tetrachloride	U	0.005	mg/L			SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L			SW846-8260
Ethylbenzene	U	0.005	mg/L			SW846-8260
Tetrachloroethene	U	0.005	mg/L			SW846-8260
Toluene	U	0.005	mg/L			SW846-8260
Total Xylene	U	0.01	mg/L			SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L			SW846-8260

**MW245**

**EM-GW-95**

**Groundwater Monitoring 1995**

Trichloroethene 0.022 mg/L SW846-8260

**7386-95**

Collected: 9/19/1995 Media Type: WG Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		391	umho/cm			IN7125

**7387-95**

Collected: 9/19/1995 Media Type: WG Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		389	umho/cm			IN7125

**7388-95**

Collected: 9/19/1995 Media Type: WG Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		376	umho/cm			IN7125

**MW245**

**EM-GW-95**

**Groundwater Monitoring 1995**

**7944-95**

Collected: 10/24/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		42.85	ft			
Dissolved Oxygen		3.8	mg/L			
pH		6.7	Std Unit			
Temperature		59	deg F			
<b>RADS</b>						
Alpha activity		2.9	pCi/L	1.7		R-4
Beta activity		12	pCi/L	2		R-4
Radon-222		243	pCi/L	51		R-51
Technetium-99		0	pCi/L	0		RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1-Dichloroethane	U	0.005	mg/L			SW846-8260
1,2-Dichloroethane	U	0.005	mg/L			SW846-8260
Benzene	U	0.005	mg/L			SW846-8260
Bromodichloromethane	U	0.005	mg/L			SW846-8260
Carbon tetrachloride	U	0.005	mg/L			SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L			SW846-8260
Ethylbenzene	U	0.005	mg/L			SW846-8260
Tetrachloroethene	U	0.005	mg/L			SW846-8260
Toluene	U	0.005	mg/L			SW846-8260
Total Xylene	U	0.01	mg/L			SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L			SW846-8260
Trichloroethene		0.028	mg/L			SW846-8260

**MW63**

**EM-GW-95**

**Groundwater Monitoring 1995**

**5599-95**

Collected: 3/23/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Alkalinity		82	mg/L			W-10
Chloride		13.4	mg/L			W-50
Fluoride		0.14	mg/L			SA-F-7
Nitrate as Nitrogen	U	1	mg/L			W-50
Tetraoxo-sulfate(1-)		9.5	mg/L			W-50
Total Organic Carbon (TOC)	U	1	mg/L			W-150
<b>Field P</b>						
Depth to Water		45.23	ft			
Dissolved Oxygen		5.12	mg/L			
pH		6.1	Std Unit			
Temperature		60	deg F			
<b>METAL</b>						
Barium		0.09	mg/L			SW846-6010
Beryllium	U	0.015	mg/L			SW846-6010
Cadmium	U	0.025	mg/L			SW846-6010
Calcium		22	mg/L			SW846-6010
Chromium		0.22	mg/L			SW846-6010
Cobalt	U	0.045	mg/L			SW846-6010
Copper	U	0.025	mg/L			SW846-6010
Iron	N	2.19	mg/L			SW846-6010
Magnesium		6.6	mg/L			SW846-6010
Manganese		0.024	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Nickel		0.23	mg/L			SW846-6010
Potassium	U	10.5	mg/L			SW846-6010
Selenium	UN	0.005	mg/L			SW846-7740
Silver	U	0.06	mg/L			SW846-6010
Sodium	B	16	mg/L			SW846-6010
Uranium	U	0.001	mg/L			SA-U-8
Zinc	U	0.03	mg/L			SW846-6010
<b>METAL-D</b>						
Barium		0.09	mg/L			SW846-6010
Beryllium	U	0.015	mg/L			SW846-6010
Cadmium	U	0.025	mg/L			SW846-6010
Calcium		22	mg/L			SW846-6010
Chromium	U	0.06	mg/L			SW846-6010
Cobalt	U	0.045	mg/L			SW846-6010
Copper	U	0.025	mg/L			SW846-6010
Iron	NU	0.36	mg/L			SW846-6010
Magnesium		6.4	mg/L			SW846-6010
Manganese	U	0.02	mg/L			SW846-6010
Nickel		0.2	mg/L			SW846-6010
Silver	U	0.06	mg/L			SW846-6010
Sodium	B	17.2	mg/L			SW846-6010
Zinc	U	0.03	mg/L			SW846-6010
<b>PHYSIC</b>						
Dissolved Solids		155	mg/L			W-140
Silica		31	mg/L			W-130
Specific Conductivity (PIP)		244	umho/cm			SA-COND

**MW63**

**EM-GW-95**

**Groundwater Monitoring 1995**

Turbidity		15	NTU		W-170
<b>RADS</b>					
Alpha activity		0.2	pCi/L	0.7	R-4
Beta activity		4	pCi/L	1	R-4
Radon-222		211	pCi/L	76	R-51
Technetium-99		0	pCi/L	0	R-46
<b>VOA</b>					
1,1,1-Trichloroethane	U	0.005	mg/L		SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		SW846-8260
Benzene	U	0.005	mg/L		SW846-8260
Bromodichloromethane	U	0.005	mg/L		SW846-8260
Carbon tetrachloride	U	0.005	mg/L		SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		SW846-8260
Ethylbenzene	U	0.005	mg/L		SW846-8260
Tetrachloroethene	U	0.005	mg/L		SW846-8260
Toluene	U	0.005	mg/L		SW846-8260
Total Xylene	U	0.01	mg/L		SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		SW846-8260
Trichloroethene	U	0.001	mg/L		SW846-8260

**5600-95**

Collected: 3/23/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
<b>Field P</b>						
pH		6.1	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		241	umho/cm			SA-COND

**5601-95**

Collected: 3/23/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
<b>Field P</b>						
pH		6.1	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		241	umho/cm			SA-COND

**MW63**

**EM-GW-95**

**Groundwater Monitoring 1995**

**5602-95**

Collected: 3/23/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
<b>Field P</b>						
pH		6.1	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		240	umho/cm			SA-COND

## MW63

## EM-GW-95

## Groundwater Monitoring 1995

## 6576-95

Collected: 6/20/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Alkalinity		88	mg/L			IN7405
Chloride		14	mg/L			W-50
Fluoride		0.13	mg/L			SA-F-7
Nitrate as Nitrogen	U	1	mg/L			W-50
Tetraoxo-sulfate(1-)		10.1	mg/L			W-50
Total Organic Carbon (TOC)	U	1	mg/L			W-150
<b>Field P</b>						
Depth to Water		42.49	ft			
Dissolved Oxygen		5.53	mg/L			
pH		6.1	Std Unit			
Temperature		61	deg F			
<b>METAL</b>						
Barium		0.09	mg/L			SW846-6010
Beryllium	U	0.015	mg/L			SW846-6010
Cadmium	U	0.025	mg/L			SW846-6010
Calcium	N	22.3	mg/L			SW846-6010
Chromium		0.141	mg/L			SW846-6010
Cobalt	U	0.045	mg/L			SW846-6010
Copper	U	0.025	mg/L			SW846-6010
Iron		1.5	mg/L			SW846-6010
Magnesium		6.53	mg/L			SW846-6010
Manganese		0.02	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Nickel		0.228	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	U	0.06	mg/L			SW846-6010
Sodium		16.2	mg/L			SW846-6010
Uranium	U	0.001	mg/L			SA-U-8
Zinc	U	0.03	mg/L			SW846-6010
<b>METAL-D</b>						
Barium		0.078	mg/L			SW846-6010
Beryllium	U	0.015	mg/L			SW846-6010
Cadmium	U	0.025	mg/L			SW846-6010
Calcium	N	20.5	mg/L			SW846-6010
Chromium	U	0.06	mg/L			SW846-6010
Cobalt	U	0.045	mg/L			SW846-6010
Copper	U	0.025	mg/L			SW846-6010
Iron	NU	0.355	mg/L			SW846-6010
Magnesium	N	5.99	mg/L			SW846-6010
Manganese	U	0.02	mg/L			SW846-6010
Nickel		0.203	mg/L			SW846-6010
Silver	U	0.06	mg/L			SW846-6010
Sodium	N	15.3	mg/L			SW846-6010
Zinc	U	0.03	mg/L			SW846-6010
<b>PHYSC</b>						
Dissolved Solids		163	mg/L			IN7475
Silica		27	mg/L			IN7470
Specific Conductivity (PIP)		246	umho/cm			SA-COND
Turbidity		12	NTU			IN7490



**MW63**

**EM-GW-95**

**Groundwater Monitoring 1995**

**RADS**

Alpha activity	0.9	pCi/L	0.4	R-4
Beta activity	10	pCi/L	1	R-4
Radon-222	295	pCi/L	74	R-51
Technetium-99	0	pCi/L	0	R-46

**VOA**

1,1,1-Trichloroethane	U	0.005	mg/L	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	SW846-8260
Benzene	U	0.005	mg/L	SW846-8260
Bromodichloromethane	U	0.005	mg/L	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
Ethylbenzene	U	0.005	mg/L	SW846-8260
Tetrachloroethene	U	0.005	mg/L	SW846-8260
Toluene	U	0.005	mg/L	SW846-8260
Total Xylene	U	0.01	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
Trichloroethene	U	0.001	mg/L	SW846-8260

**6577-95**

Collected: 6/20/1995      Media Type: WG      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
<b>Field P</b>						
pH		6.1	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		245	umho/cm			SA-COND

**6578-95**

Collected: 6/20/1995      Media Type: WG      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
<b>Field P</b>						
pH		6.1	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		243	umho/cm			SA-COND

**6579-95**

Collected: 6/20/1995      Media Type: WG      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
<b>Field P</b>						
pH		6.1	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		244	umho/cm			SA-COND

**MW63**

**EM-GW-95**

**Groundwater Monitoring 1995**

**7415-95**

Collected: 9/8/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Alkalinity		92	mg/L			W-10
Chloride		16.1	mg/L			IN7120
Fluoride		0.14	mg/L			SA-F-7
Nitrate as Nitrogen	U	1	mg/L			IN7120
Tetraoxo-sulfate(1-)		10.8	mg/L			IN7120
Total Organic Carbon (TOC)	U	1	mg/L			W-150
<b>Field P</b>						
Depth to Water		43.95	ft			
Dissolved Oxygen		4.81	mg/L			
pH		6	Std Unit			
Temperature		62	deg F			
<b>METAL</b>						
Barium		0.095	mg/L			SW846-6010
Beryllium	U	0.015	mg/L			SW846-6010
Cadmium	U	0.025	mg/L			SW846-6010
Calcium	N	23.2	mg/L			SW846-6010
Chromium	B	0.151	mg/L			SW846-6010
Cobalt	U	0.045	mg/L			SW846-6010
Copper	U	0.025	mg/L			SW846-6010
Iron	B	0.961	mg/L			SW846-6010
Magnesium	N	6.94	mg/L			SW846-6010
Manganese	U	0.02	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Nickel		0.256	mg/L			SW846-6010
Potassium	JU	10.5	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	U	0.06	mg/L			SW846-6010
Sodium	N	17.1	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Zinc	BU	0.03	mg/L			SW846-6010
<b>METAL-D</b>						
Barium		0.089	mg/L			SW846-6010
Beryllium	U	0.015	mg/L			SW846-6010
Cadmium	U	0.025	mg/L			SW846-6010
Calcium	N	19.3	mg/L			SW846-6010
Chromium	U	0.06	mg/L			SW846-6010
Cobalt	U	0.045	mg/L			SW846-6010
Copper	U	0.025	mg/L			SW846-6010
Iron	U	0.355	mg/L			SW846-6010
Magnesium	N	5.78	mg/L			SW846-6010
Manganese	U	0.02	mg/L			SW846-6010
Nickel		0.189	mg/L			SW846-6010
Potassium	U	10.5	mg/L			SW846-6010
Silver	U	0.06	mg/L			SW846-6010
Sodium	N	15.2	mg/L			SW846-6010
Zinc	NU	0.03	mg/L			SW846-6010
<b>PHYSC</b>						
Dissolved Solids		163	mg/L			IN7475
Silica		33	mg/L			IN7470

**MW63**

**EM-GW-95**

**Groundwater Monitoring 1995**

Specific Conductivity (PIP) 268 umho/cm IN7125  
Turbidity 13 NTU IN7490

**RADS**

Alpha activity -4.5 pCi/L -5.1 R-4  
Beta activity 0 pCi/L 0 R-4  
Radon-222 356 pCi/L 52 R-51  
Technetium-99 0 pCi/L 0 R-46

**VOA**

1,1,1-Trichloroethane	U	0.005	mg/L	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	SW846-8260
Benzene	U	0.005	mg/L	SW846-8260
Bromodichloromethane	U	0.005	mg/L	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
Ethylbenzene	U	0.005	mg/L	SW846-8260
Tetrachloroethene	U	0.005	mg/L	SW846-8260
Toluene	U	0.005	mg/L	SW846-8260
Total Xylene	U	0.01	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
Trichloroethene	U	0.001	mg/L	SW846-8260

**7416-95**

Collected: 9/8/1995 Media Type: WG Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		269	umho/cm			IN7125

**7417-95**

Collected: 9/8/1995 Media Type: WG Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		268	umho/cm			IN7125

**MW63**

**EM-GW-95**

**Groundwater Monitoring 1995**

**7418-95**

Collected: 9/8/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		267	umho/cm			IN7125

**MW63**

**EM-GW-95**

**Groundwater Monitoring 1995**

**8269-95**

Collected: 12/20/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Alkalinity		82	mg/L			IN7405
Chloride		17	mg/L			IN7120
Fluoride		0.16	mg/L			SA-F-7
Nitrate as Nitrogen	U	1	mg/L			IN7120
Tetraoxo-sulfate(1-)		11.4	mg/L			IN7120
Total Organic Carbon (TOC)		1	mg/L			W-150
<b>Field P</b>						
Depth to Water		48.44	ft			
Dissolved Oxygen		5.44	mg/L			
pH		6.1	Std Unit			
Temperature		58	deg F			
<b>METAL</b>						
Barium		0.087	mg/L			SW846-6010
Beryllium	U	0.015	mg/L			SW846-6010
Cadmium	U	0.025	mg/L			SW846-6010
Calcium	N	21.3	mg/L			SW846-6010
Chromium		0.131	mg/L			SW846-6010
Cobalt	U	0.045	mg/L			SW846-6010
Copper	U	0.025	mg/L			SW846-6010
Iron	*	1.13	mg/L			SW846-6010
Magnesium	N	6.99	mg/L			SW846-6010
Manganese	U	0.02	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Nickel		0.267	mg/L			SW846-6010
Potassium	U	10.5	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	U	0.06	mg/L			SW846-6010
Sodium	N	18.9	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Zinc	U	0.03	mg/L			SW846-6010
<b>METAL-D</b>						
Barium		0.088	mg/L			SW846-6010
Calcium	N	19.5	mg/L			SW846-6010
Chromium	U	0.06	mg/L			SW846-6010
Copper	U	0.025	mg/L			SW846-6010
Iron	U	0.355	mg/L			SW846-6010
Magnesium	N	6.28	mg/L			SW846-6010
Manganese	U	0.02	mg/L			SW846-6010
Nickel		0.201	mg/L			SW846-6010
Sodium	N*	16.7	mg/L			SW846-6010
Zinc	U	0.03	mg/L			SW846-6010
<b>PHYSC</b>						
Dissolved Solids		170	mg/L			IN7475
Silica		34	mg/L			IN7470
Specific Conductivity (PIP)		252	umho/cm			IN7125
Turbidity		13	NTU			IN7490
<b>RADS</b>						
Alpha activity		-0.5	pCi/L	-0.3		R-4
Beta activity		-2	pCi/L	0		R-4

**MW63**

**EM-GW-95**

**Groundwater Monitoring 1995**

Radon-222	308	pCi/L	59	R-51
Technetium-99	13	pCi/L	10	RL-7100

**VOA**

1,1,1-Trichloroethane	U	0.005	mg/L	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	SW846-8260
Benzene	U	0.005	mg/L	SW846-8260
Bromodichloromethane	U	0.005	mg/L	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
Ethylbenzene	U	0.005	mg/L	SW846-8260
Tetrachloroethene	U	0.005	mg/L	SW846-8260
Toluene	U	0.005	mg/L	SW846-8260
Total Xylene	U	0.01	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
Trichloroethene	U	0.001	mg/L	SW846-8260

**8270-95**

Collected: 12/20/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
<b>Field P</b>						
pH		6.1	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		251	umho/cm			IN7125

**8271-95**

Collected: 12/20/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)		1	mg/L			W-150
<b>Field P</b>						
pH		6.1	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		250	umho/cm			IN7125

**8272-95**

Collected: 12/20/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
<b>Field P</b>						
pH		6.1	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		249	umho/cm			IN7125

## MW65

## EM-GW-95

## Groundwater Monitoring 1995

## 5603-95

Collected: 3/7/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Alkalinity		64	mg/L			W-10
Chloride		11.8	mg/L			W-50
Fluoride		0.12	mg/L			SA-F-7
Nitrate as Nitrogen	U	1	mg/L			W-50
Tetraoxo-sulfate(1-)		8.6	mg/L			W-50
Total Organic Carbon (TOC)	U	1	mg/L			W-150
<b>Field P</b>						
Depth to Water		45.99	ft			
Dissolved Oxygen		4.44	mg/L			
pH		5.7	Std Unit			
Temperature		59	deg F			
<b>METAL</b>						
Barium	U	0.07	mg/L			SW846-6010
Beryllium	U	0.015	mg/L			SW846-6010
Cadmium	U	0.025	mg/L			SW846-6010
Calcium		14.7	mg/L			SW846-6010
Chromium	U	0.06	mg/L			SW846-6010
Cobalt	U	0.045	mg/L			SW846-6010
Copper	U	0.025	mg/L			SW846-6010
Iron	U	0.36	mg/L			SW846-6010
Magnesium		6.2	mg/L			SW846-6010
Manganese	U	0.02	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Nickel	U	0.1	mg/L			SW846-6010
Potassium	U	10.5	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	U	0.06	mg/L			SW846-6010
Sodium		13.2	mg/L			SW846-6010
Uranium	U	0.001	mg/L			SA-U-8
Zinc	U	0.03	mg/L			SW846-6010
<b>METAL-D</b>						
Barium	U	0.07	mg/L			SW846-6010
Cadmium	U	0.025	mg/L			SW846-6010
Calcium		15.2	mg/L			SW846-6010
Chromium	U	0.06	mg/L			SW846-6010
Cobalt	U	0.045	mg/L			SW846-6010
Copper	U	0.025	mg/L			SW846-6010
Iron	U	0.36	mg/L			SW846-6010
Magnesium		6.5	mg/L			SW846-6010
Manganese	U	0.02	mg/L			SW846-6010
Silver	U	0.06	mg/L			SW846-6010
Sodium		12.6	mg/L			SW846-6010
Zinc	U	0.03	mg/L			SW846-6010
<b>PHYSC</b>						
Dissolved Solids		102	mg/L			W-140
Silica		14	mg/L			W-130
Specific Conductivity (PIP)		196	umho/cm			SA-COND
Turbidity		0.74	NTU			W-170
<b>RADS</b>						

**MW65**

**EM-GW-95**

**Groundwater Monitoring 1995**

Alpha activity	1	pCi/L	0.8	R-4
Beta activity	7	pCi/L	4	R-4
Radon-222	342	pCi/L	72	R-51
Technetium-99	14	pCi/L	20	R-46

**VOA**

1,1,1-Trichloroethane	U	0.005	mg/L	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	SW846-8260
Benzene	U	0.005	mg/L	SW846-8260
Bromodichloromethane	U	0.005	mg/L	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
Ethylbenzene	U	0.005	mg/L	SW846-8260
Tetrachloroethene	U	0.005	mg/L	SW846-8260
Toluene	U	0.005	mg/L	SW846-8260
Total Xylene	U	0.01	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
Trichloroethene	U	0.001	mg/L	SW846-8260

**5604-95**

Collected: 3/7/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
<b>Field P</b>						
pH		5.7	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		196	umho/cm			SA-COND

**5605-95**

Collected: 3/7/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
<b>Field P</b>						
pH		5.7	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		196	umho/cm			SA-COND

**5606-95**

Collected: 3/7/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
<b>Field P</b>						
pH		5.7	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		196	umho/cm			SA-COND



**MW65****EM-GW-95****Groundwater Monitoring 1995****6580-95**

Collected: 6/20/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Alkalinity		69	mg/L			IN7405
Chloride		11.1	mg/L			W-50
Fluoride		0.11	mg/L			SA-F-7
Nitrate as Nitrogen	U	1	mg/L			W-50
Tetraoxo-sulfate(1-)		8.5	mg/L			W-50
Total Organic Carbon (TOC)	U	1	mg/L			W-150
<b>Field P</b>						
Depth to Water		42.5	ft			
Dissolved Oxygen		4.06	mg/L			
pH		5.9	Std Unit			
Temperature		60	deg F			
<b>METAL</b>						
Barium	U	0.07	mg/L			SW846-6010
Beryllium	U	0.015	mg/L			SW846-6010
Cadmium	U	0.025	mg/L			SW846-6010
Calcium	N	15.2	mg/L			SW846-6010
Chromium	U	0.06	mg/L			SW846-6010
Cobalt	U	0.045	mg/L			SW846-6010
Copper	U	0.025	mg/L			SW846-6010
Iron	U	0.355	mg/L			SW846-6010
Magnesium		6.48	mg/L			SW846-6010
Manganese	U	0.02	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Nickel	U	0.1	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	U	0.06	mg/L			SW846-6010
Sodium		13.7	mg/L			SW846-6010
Uranium	U	0.001	mg/L			SA-U-8
Zinc	U	0.03	mg/L			SW846-6010
<b>METAL-D</b>						
Barium	U	0.07	mg/L			SW846-6010
Beryllium	U	0.015	mg/L			SW846-6010
Cadmium	U	0.025	mg/L			SW846-6010
Calcium	N	14.5	mg/L			SW846-6010
Chromium	U	0.06	mg/L			SW846-6010
Cobalt	U	0.045	mg/L			SW846-6010
Copper	U	0.025	mg/L			SW846-6010
Iron	NU	0.355	mg/L			SW846-6010
Magnesium	N	6.14	mg/L			SW846-6010
Manganese	U	0.02	mg/L			SW846-6010
Nickel	U	0.1	mg/L			SW846-6010
Silver	U	0.06	mg/L			SW846-6010
Sodium	N	13.2	mg/L			SW846-6010
Zinc	U	0.03	mg/L			SW846-6010
<b>PHYSC</b>						
Dissolved Solids		120	mg/L			IN7475
Silica		19	mg/L			IN7470
Specific Conductivity (PIP)		200	umho/cm			SA-COND
Turbidity		1.2	NTU			IN7490

**MW65**

**EM-GW-95**

**Groundwater Monitoring 1995**

**RADS**

Alpha activity	0.7	pCi/L	0.3	R-4
Beta activity	11	pCi/L	1	R-4
Radon-222	475	pCi/L	71	R-51
Technetium-99	7	pCi/L	11	R-46

**VOA**

1,1,1-Trichloroethane	U	0.005	mg/L	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	SW846-8260
Benzene	U	0.005	mg/L	SW846-8260
Bromodichloromethane	U	0.005	mg/L	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
Ethylbenzene	U	0.005	mg/L	SW846-8260
Tetrachloroethene	U	0.005	mg/L	SW846-8260
Toluene	U	0.005	mg/L	SW846-8260
Total Xylene	U	0.01	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
Trichloroethene	U	0.001	mg/L	SW846-8260

**6581-95**

Collected: 6/20/1995      Media Type: WG      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		200	umho/cm			SA-COND

**6582-95**

Collected: 6/20/1995      Media Type: WG      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		200	umho/cm			SA-COND

**6583-95**

Collected: 6/20/1995      Media Type: WG      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		200	umho/cm			SA-COND

**MW65**

**EM-GW-95**

**Groundwater Monitoring 1995**

**7419-95**

Collected: 9/8/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Alkalinity		69	mg/L			W-10
Chloride		12	mg/L			IN7120
Fluoride		0.11	mg/L			SA-F-7
Nitrate as Nitrogen	U	1	mg/L			IN7120
Tetraoxo-sulfate(1-)		8.5	mg/L			IN7120
Total Organic Carbon (TOC)	U	1	mg/L			W-150
<b>Field P</b>						
Depth to Water		44.07	ft			
Dissolved Oxygen		4.06	mg/L			
pH		5.8	Std Unit			
Temperature		61	deg F			
<b>METAL</b>						
Barium	U	0.07	mg/L			SW846-6010
Beryllium	U	0.015	mg/L			SW846-6010
Cadmium	U	0.025	mg/L			SW846-6010
Calcium	N	13.4	mg/L			SW846-6010
Chromium	BU	0.06	mg/L			SW846-6010
Cobalt	U	0.045	mg/L			SW846-6010
Copper	U	0.025	mg/L			SW846-6010
Iron	BU	0.355	mg/L			SW846-6010
Magnesium	N	5.84	mg/L			SW846-6010
Manganese	U	0.02	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Nickel	U	0.1	mg/L			SW846-6010
Potassium	JU	10.5	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	U	0.06	mg/L			SW846-6010
Sodium	N	12.5	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Zinc	B	0.041	mg/L			SW846-6010
<b>METAL-D</b>						
Barium	U	0.07	mg/L			SW846-6010
Beryllium	U	0.015	mg/L			SW846-6010
Cadmium	U	0.025	mg/L			SW846-6010
Calcium	N	14.2	mg/L			SW846-6010
Chromium	NU	0.06	mg/L			SW846-6010
Cobalt	U	0.045	mg/L			SW846-6010
Copper	U	0.025	mg/L			SW846-6010
Iron	U	0.355	mg/L			SW846-6010
Magnesium	N	5.42	mg/L			SW846-6010
Manganese	U	0.02	mg/L			SW846-6010
Nickel	U	0.1	mg/L			SW846-6010
Potassium	U	10.5	mg/L			SW846-6010
Silver	U	0.06	mg/L			SW846-6010
Sodium	N	11.9	mg/L			SW846-6010
Zinc	NU	0.03	mg/L			SW846-6010
<b>PHYSC</b>						
Dissolved Solids		107	mg/L			IN7475
Silica		23	mg/L			IN7470

**MW65**

**EM-GW-95**

**Groundwater Monitoring 1995**

Specific Conductivity (PIP)	200	umho/cm	IN7125
Turbidity	0.6	NTU	IN7490

**RADS**

Alpha activity	-2.6	pCi/L	-1.9	R-4
Beta activity	1	pCi/L	0	R-4
Radon-222	373	pCi/L	52	R-51
Technetium-99	6	pCi/L	10	R-46

**VOA**

1,1,1-Trichloroethane	U	0.005	mg/L	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	SW846-8260
Benzene	U	0.005	mg/L	SW846-8260
Bromodichloromethane	U	0.005	mg/L	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
Ethylbenzene	U	0.005	mg/L	SW846-8260
Tetrachloroethene	U	0.005	mg/L	SW846-8260
Toluene	U	0.005	mg/L	SW846-8260
Total Xylene	U	0.01	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
Trichloroethene	U	0.001	mg/L	SW846-8260

**7420-95**

Collected: 9/8/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
<b>Field P</b>						
pH		5.8	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		201	umho/cm			IN7125

**7421-95**

Collected: 9/8/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
<b>Field P</b>						
pH		5.8	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		202	umho/cm			IN7125

**MW65**

**EM-GW-95**

**Groundwater Monitoring 1995**

**7422-95**

Collected: 9/8/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
<b>Field P</b>						
pH		5.8	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		202	umho/cm			IN7125

**MW65**

**EM-GW-95**

**Groundwater Monitoring 1995**

**8273-95**

Collected: 12/20/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Alkalinity		67	mg/L			IN7405
Chloride		11.6	mg/L			IN7120
Fluoride		0.12	mg/L			SA-F-7
Nitrate as Nitrogen	U	1	mg/L			IN7120
Tetraoxo-sulfate(1-)		8.5	mg/L			IN7120
Total Organic Carbon (TOC)	U	1	mg/L			W-150
<b>Field P</b>						
Depth to Water		48.38	ft			
Dissolved Oxygen		4.46	mg/L			
pH		6.1	Std Unit			
Temperature		59	deg F			
<b>METAL</b>						
Barium	U	0.07	mg/L			SW846-6010
Beryllium	U	0.015	mg/L			SW846-6010
Cadmium	U	0.025	mg/L			SW846-6010
Calcium	N	15	mg/L			SW846-6010
Chromium	U	0.06	mg/L			SW846-6010
Cobalt	U	0.045	mg/L			SW846-6010
Copper	U	0.025	mg/L			SW846-6010
Iron	*U	0.355	mg/L			SW846-6010
Magnesium	N	6.55	mg/L			SW846-6010
Manganese	U	0.02	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Nickel	U	0.1	mg/L			SW846-6010
Potassium	JU	10.5	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	U	0.06	mg/L			SW846-6010
Sodium	N	13.6	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Zinc	U	0.03	mg/L			SW846-6010
<b>METAL-D</b>						
Barium	U	0.07	mg/L			SW846-6010
Calcium	N	14.2	mg/L			SW846-6010
Chromium	U	0.06	mg/L			SW846-6010
Copper	U	0.025	mg/L			SW846-6010
Iron	U	0.355	mg/L			SW846-6010
Magnesium	N	6.1	mg/L			SW846-6010
Manganese	U	0.02	mg/L			SW846-6010
Nickel	U	0.1	mg/L			SW846-6010
Sodium	N*	12.8	mg/L			SW846-6010
Zinc	U	0.03	mg/L			SW846-6010
<b>PHYSC</b>						
Dissolved Solids		109	mg/L			IN7475
Silica		21	mg/L			IN7470
Specific Conductivity (PIP)		194	umho/cm			IN7125
Turbidity		2.9	NTU			IN7490
<b>RADS</b>						
Alpha activity		-2	pCi/L	-1.8		R-4
Beta activity		1	pCi/L	0		R-4

**MW65**

**EM-GW-95**

**Groundwater Monitoring 1995**

Radon-222	384	pCi/L	64	R-51
Technetium-99	8	pCi/L	10	RL-7100

**VOA**

1,1,1-Trichloroethane	U	0.005	mg/L	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	SW846-8260
Benzene	U	0.005	mg/L	SW846-8260
Bromodichloromethane	U	0.005	mg/L	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
Ethylbenzene	U	0.005	mg/L	SW846-8260
Tetrachloroethene	U	0.005	mg/L	SW846-8260
Toluene	U	0.005	mg/L	SW846-8260
Total Xylene	U	0.01	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
Trichloroethene	U	0.001	mg/L	SW846-8260

**8274-95**

Collected: 12/20/1995      Media Type: WG      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
<b>Field P</b>						
pH		6.1	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		195	umho/cm			IN7125

**8275-95**

Collected: 12/20/1995      Media Type: WG      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
<b>Field P</b>						
pH		6.1	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		195	umho/cm			IN7125

**8276-95**

Collected: 12/20/1995      Media Type: WG      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
<b>Field P</b>						
pH		6.1	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		195	umho/cm			IN7125

**MW66**

**EM-GW-95**

**Groundwater Monitoring 1995**

**5407-95**

Collected: 1/30/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Alkalinity		68	mg/L			W-10
Chloride		37.6	mg/L			W-50
Nitrate as Nitrogen		5.6	mg/L			W-50
Tetraoxo-sulfate(1-)		10.4	mg/L			W-50
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Phosphate as Phosphorus	U	2	mg/L			W-50
<b>Field P</b>						
Depth to Water		45.98	ft			
Dissolved Oxygen		6	mg/L			
pH		5.9	Std Unit			
Temperature		57	deg F			
<b>METAL</b>						
Aluminum	U	0.625	mg/L			SW846-6010
Barium		0.156	mg/L			SW846-6010
Beryllium	U	0.015	mg/L			SW846-6010
Cadmium	U	0.025	mg/L			SW846-6010
Calcium		25.6	mg/L			SW846-6010
Chromium	U	0.06	mg/L			SW846-6010
Cobalt	U	0.045	mg/L			SW846-6010
Copper	U	0.025	mg/L			SW846-6010
Iron	U	0.355	mg/L			SW846-6010
Magnesium		8.72	mg/L			SW846-6010
Manganese	U	0.02	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Molybdenum	U	0.055	mg/L			SW846-6010
Nickel	U	0.1	mg/L			SW846-6010
Potassium	U	2	mg/L			SW846-6010
Selenium	US	0.015	mg/L			SW846-7740
Sodium		20	mg/L			SW846-6010
Thallium	U	0.47	mg/L			SW846-6010
Tin	U	0.28	mg/L			SW846-6010
Uranium	U	0.001	mg/L			SA-U-8
Vanadium		0.064	mg/L			SW846-6010
Zinc	U	0.03	mg/L			SW846-6010
<b>METAL-D</b>						
Aluminum	U	0.625	mg/L			SW846-6010
Barium		0.168	mg/L			SW846-6010
Beryllium	U	0.015	mg/L			SW846-6010
Cadmium	U	0.025	mg/L			SW846-6010
Calcium		26.2	mg/L			SW846-6010
Chromium	U	0.06	mg/L			SW846-6010
Cobalt	U	0.45	mg/L			SW846-6010
Copper	U	0.025	mg/L			SW846-6010
Iron	U	0.355	mg/L			SW846-6010
Magnesium		9.58	mg/L			SW846-6010
Manganese	U	0.02	mg/L			SW846-6010
Molybdenum	U	0.055	mg/L			SW846-6010
Nickel	U	0.1	mg/L			SW846-6010
Potassium	U	2	mg/L			SW846-6010



**MW66**

**EM-GW-95**

**Groundwater Monitoring 1995**

Sodium		20.6	mg/L		SW846-6010
Thallium	U	0.47	mg/L		SW846-6010
Tin	U	0.28	mg/L		SUMMATION
Vanadium		0.071	mg/L		SW846-6010
Zinc	U	0.03	mg/L		SW846-6010
<b>PHYSC</b>					
Dissolved Solids		203	mg/L		W-140
Silica		25	mg/L		W-130
Specific Conductivity (PIP)		342	umho/cm		SA-COND
Turbidity		1.9	NTU		W-170
<b>RADS</b>					
Alpha activity		3.7	pCi/L	2.4	R-4
Beta activity		121	pCi/L	49	R-4
Radon-222		284	pCi/L	59	R-51
Technetium-99		1781	pCi/L	65	R-46
<b>VOA</b>					
1,1,1-Trichloroethane	U	0.5	mg/L		SW846-8260
1,1-Dichloroethane	U	0.5	mg/L		SW846-8260
Bromodichloromethane	U	0.5	mg/L		SW846-8260
Toluene	U	0.5	mg/L		SW846-8260
Total Xylene	U	1	mg/L		SW846-8260
trans-1,2-Dichloroethene	U	0.5	mg/L		SW846-8260
Trichloroethene		5.9	mg/L		SW846-8260

**5408-95**

Collected: 1/30/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		342	umho/cm			SA-COND

**5409-95**

Collected: 1/30/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		343	umho/cm			SA-COND

**MW66**

**EM-GW-95**

**Groundwater Monitoring 1995**

**5410-95**

Collected: 1/30/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		347	umho/cm			SA-COND

## MW66

## EM-GW-95

## Groundwater Monitoring 1995

## 5509-95

Collected: 2/28/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Alkalinity		78	mg/L			W-10
Chloride		29.7	mg/L			W-50
Fluoride		0.1	mg/L			SA-F-7
Nitrate as Nitrogen		4.7	mg/L			W-50
Tetraoxo-sulfate(1-)		9.7	mg/L			W-50
Total Organic Carbon (TOC)		2	mg/L			W-150
Total Phosphate as Phosphorus	U	2	mg/L			W-50
<b>Field P</b>						
Depth to Water		45.01	ft			
Dissolved Oxygen		5.09	mg/L			
pH		5.9	Std Unit			
Temperature		56	deg F			
<b>METAL</b>						
Aluminum	U	0.625	mg/L			SW846-6010
Barium		0.151	mg/L			SW846-6010
Beryllium	U	0.015	mg/L			SW846-6010
Cadmium	U	0.025	mg/L			SW846-6010
Calcium		25.5	mg/L			SW846-6010
Chromium	U	0.06	mg/L			SW846-6010
Cobalt	U	0.045	mg/L			SW846-6010
Copper	U	0.025	mg/L			SW846-6010
Iron	U	0.355	mg/L			SW846-6010
Magnesium		7.6	mg/L			SW846-6010
Manganese	U	0.02	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Molybdenum	U	0.055	mg/L			SW846-6010
Nickel		0.1	mg/L			SW846-6010
Potassium	U	2	mg/L			SW846-6010
Selenium	US	0.01	mg/L			SW846-7740
Sodium		16.9	mg/L			SW846-6010
Thallium	U	0.47	mg/L			SW846-6010
Tin	U	0.28	mg/L			SW846-6010
Uranium	U	0.001	mg/L			SA-U-8
Vanadium	U	0.04	mg/L			SW846-6010
Zinc	U	0.03	mg/L			SW846-6010
<b>METAL-D</b>						
Aluminum	U	0.625	mg/L			SW846-6010
Barium		0.171	mg/L			SW846-6010
Beryllium	U	0.015	mg/L			SW846-6010
Cadmium	U	0.025	mg/L			SW846-6010
Calcium		29.2	mg/L			SW846-6010
Chromium	U	0.06	mg/L			SW846-6010
Cobalt	U	0.045	mg/L			SW846-6010
Copper	U	0.025	mg/L			SW846-6010
Iron	U	0.355	mg/L			SW846-6010
Magnesium		8.83	mg/L			SW846-6010
Manganese	U	0.02	mg/L			SW846-6010
Molybdenum	U	0.055	mg/L			SW846-6010
Nickel		0.101	mg/L			SW846-6010

**MW66**

**EM-GW-95**

**Groundwater Monitoring 1995**

Potassium	U	2	mg/L		SW846-6010
Sodium		19.2	mg/L		SW846-6010
Thallium	U	0.47	mg/L		SW846-6010
Vanadium		0.042	mg/L		SW846-6010
Zinc	U	0.03	mg/L		SW846-6010
<b>PHYSC</b>					
Dissolved Solids		183	mg/L		W-140
Silica		28	mg/L		W-130
Specific Conductivity (PIP)		318	umho/cm		SA-COND
Turbidity		4.4	NTU		W-170
<b>RADS</b>					
Alpha activity		2.9	pCi/L	1.9	R-4
Beta activity		849	pCi/L	340	R-4
Radon-222		632	pCi/L	159	R-51
Technetium-99		1567	pCi/L	64	R-46
<b>VOA</b>					
1,1,1-Trichloroethane	U	0.05	mg/L		SW846-8260
1,1-Dichloroethane	U	0.05	mg/L		SW846-8260
Bromodichloromethane	U	0.05	mg/L		SW846-8260
cis-1,2-Dichloroethene	U	0.05	mg/L		SW846-8260
Ethylbenzene	U	0.05	mg/L		SW846-8260
Tetrachloroethene	U	0.05	mg/L		SW846-8260
Toluene	U	0.05	mg/L		SW846-8260
Total Xylene	U	0.1	mg/L		SW846-8260
trans-1,2-Dichloroethene	U	0.05	mg/L		SW846-8260
Trichloroethene		5.8	mg/L		SW846-8260

**5510-95**

Collected: 2/28/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		321	umho/cm			SA-COND

**5511-95**

Collected: 2/28/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		321	umho/cm			SA-COND

MW66

EM-GW-95

Groundwater Monitoring 1995

5512-95

Collected: 2/28/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		322	umho/cm			SA-COND

**MW66**

**EM-GW-95**

**Groundwater Monitoring 1995**

**5607-95**

Collected: 3/14/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Alkalinity		76	mg/L			W-10
Chloride		32.7	mg/L			W-50
Fluoride	U	0.1	mg/L			SA-F-7
Nitrate as Nitrogen		5.1	mg/L			W-50
Tetraoxo-sulfate(1-)		9.7	mg/L			W-50
Total Phosphate as Phosphorus	U	2	mg/L			W-50
<b>Field P</b>						
Depth to Water		44.53	ft			
Dissolved Oxygen		4.92	mg/L			
pH		6	Std Unit			
Temperature		60	deg F			
<b>METAL</b>						
Aluminum	U	0.63	mg/L			SW846-6010
Calcium		30.7	mg/L			SW846-6010
Iron	U	0.36	mg/L			SW846-6010
Magnesium		8.4	mg/L			SW846-6010
Manganese	U	0.02	mg/L			SW846-6010
Potassium	U	10.5	mg/L			SW846-6010
Sodium		21	mg/L			SW846-6010
<b>METAL-D</b>						
Aluminum	U	0.63	mg/L			SW846-6010
Calcium		31.5	mg/L			SW846-6010
Iron	U	0.36	mg/L			SW846-6010
Magnesium		9.5	mg/L			SW846-6010
Manganese	U	0.02	mg/L			SW846-6010
Sodium		21.4	mg/L			SW846-6010
<b>PHYSC</b>						
Silica		32	mg/L			W-130
Specific Conductivity (PIP)		355	umho/cm			SA-COND
Turbidity		3	NTU			W-170
<b>RADS</b>						
Alpha activity		4.5	pCi/L	3.1		R-4
Beta activity		1360	pCi/L	464		R-4
Radon-222		159	pCi/L	165		R-51
Technetium-99		1935	pCi/L	71		R-46
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.5	mg/L			SW846-8260
1,1-Dichloroethane	U	0.5	mg/L			SW846-8260
Bromodichloromethane	U	0.5	mg/L			SW846-8260
Toluene	U	0.5	mg/L			SW846-8260
Total Xylene	U	1	mg/L			SW846-8260
trans-1,2-Dichloroethene	U	0.5	mg/L			SW846-8260
Trichloroethene		6.1	mg/L			SW846-8260

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**MW66**  
**EM-GW-95**  
**5608-95**

## Groundwater Monitoring 1995

Collected: 3/14/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		358	umho/cm			SA-COND

**5609-95**

Collected: 3/14/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		363	umho/cm			SA-COND

**5610-95**

Collected: 3/14/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		363	umho/cm			SA-COND

**5696-95**

Collected: 3/14/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>RADS</b>						
Alpha activity	U	1000	pCi/L			R
Beta activity		1500	pCi/L			R

**MW66**

**EM-GW-95**

**Groundwater Monitoring 1995**

**6115-95**

Collected: 4/19/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Alkalinity		75	mg/L			W-10
Chloride		33.3	mg/L			W-50
Fluoride	U	0.1	mg/L			SA-F-7
Nitrate as Nitrogen		4.9	mg/L			W-50
Tetraoxo-sulfate(1-)		10.5	mg/L			W-50
Total Phosphate as Phosphorus	U	2	mg/L			W-50
<b>Field P</b>						
Depth to Water		43.57	ft			
Dissolved Oxygen		6.24	mg/L			
pH		6	Std Unit			
Temperature		60	deg F			
<b>METAL</b>						
Aluminum	U	0.625	mg/L			SW846-6010
Calcium		26.6	mg/L			SW846-6010
Iron	XU	0.355	mg/L			SW846-6010
Magnesium		7.84	mg/L			SW846-6010
Manganese	U	0.02	mg/L			SW846-6010
Potassium	JU	10.5	mg/L			SW846-6010
Sodium	J	18.6	mg/L			SW846-6010
<b>METAL-D</b>						
Aluminum	U	0.625	mg/L			SW846-6010
Calcium		29	mg/L			SW846-6010
Iron	U	0.355	mg/L			SW846-6010
Magnesium		8.75	mg/L			SW846-6010
Manganese	U	0.02	mg/L			SW846-6010
Potassium	JU	10.5	mg/L			SW846-6010
Sodium	J	20.6	mg/L			SW846-6010
<b>PHYSC</b>						
Silica		27	mg/L			W-130
Specific Conductivity (PIP)		339	umho/cm			SA-COND
Turbidity		2.8	NTU			W-170
<b>RADS</b>						
Alpha activity		5.2	pCi/L	0.9		R-4
Beta activity		759	pCi/L	19		R-4
Radon-222		211	pCi/L	64		R-51
Technetium-99		1327	pCi/L	59		R-46
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.5	mg/L			SW846-8260
1,1-Dichloroethane	U	0.5	mg/L			SW846-8260
Bromodichloromethane	U	0.5	mg/L			SW846-8260
Toluene	U	0.5	mg/L			SW846-8260
Total Xylene	U	1	mg/L			SW846-8260
trans-1,2-Dichloroethene	U	0.5	mg/L			SW846-8260
Trichloroethene		3.2	mg/L			SW846-8260



**MW66**  
**EM-GW-95**  
**6116-95**

**Groundwater Monitoring 1995**

Collected: 4/19/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		342	umho/cm			SA-COND

**6117-95**

Collected: 4/19/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		341	umho/cm			SA-COND

**6118-95**

Collected: 4/19/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		347	umho/cm			SA-COND

## MW66

## EM-GW-95

## Groundwater Monitoring 1995

6294-95

Collected: 5/8/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Alkalinity		76	mg/L			W-10
Chloride		28.7	mg/L			W-50
Fluoride	U	0.1	mg/L			SA-F-7
Nitrate as Nitrogen		4.3	mg/L			W-50
Tetraoxo-sulfate(1-)		10.1	mg/L			W-50
Total Phosphate as Phosphorus	U	2	mg/L			W-50
<b>Field P</b>						
Depth to Water		43.05	ft			
Dissolved Oxygen		5.17	mg/L			
pH		5.9	Std Unit			
Temperature		60	deg F			
<b>METAL</b>						
Aluminum	U	0.625	mg/L			SW846-6010
Calcium		28.6	mg/L			SW846-6010
Iron	U	0.355	mg/L			SW846-6010
Magnesium		8.15	mg/L			SW846-6010
Manganese	U	0.02	mg/L			SW846-6010
Potassium	U	10.5	mg/L			SW846-6010
Sodium		18.7	mg/L			SW846-6010
<b>METAL-D</b>						
Aluminum	U	0.625	mg/L			SW846-6010
Calcium		26.7	mg/L			SW846-6010
Iron	U	0.355	mg/L			SW846-6010
Magnesium		7.83	mg/L			SW846-6010
Manganese	U	0.02	mg/L			SW846-6010
Potassium	U	10.5	mg/L			SW846-6010
Sodium		17.4	mg/L			SW846-6010
<b>PHYSC</b>						
Silica		31	mg/L			W-130
Specific Conductivity (PIP)		328	umho/cm			SA-COND
Turbidity		4.2	NTU			W-170
<b>RADS</b>						
Alpha activity		-72.6	pCi/L	-59.3		R-4
Beta activity		1072	pCi/L	24		R-4
Radon-222		222	pCi/L	60		R-51
Technetium-99		1341	pCi/L	59		R-46
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.5	mg/L			SW846-8260
1,1-Dichloroethane	U	0.5	mg/L			SW846-8260
Bromodichloromethane	U	0.5	mg/L			SW846-8260
Toluene	U	0.5	mg/L			SW846-8260
Total Xylene	U	1	mg/L			SW846-8260
trans-1,2-Dichloroethene	U	0.5	mg/L			SW846-8260
Trichloroethene		3.5	mg/L			SW846-8260

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**MW66**  
**EM-GW-95**  
**6295-95**

## Groundwater Monitoring 1995

Collected: 5/8/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.8	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		336	umho/cm			SA-COND

**6296-95**

Collected: 5/8/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.8	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		340	umho/cm			SA-COND

**6297-95**

Collected: 5/8/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.8	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		343	umho/cm			SA-COND

**MW66**

**EM-GW-95**

**Groundwater Monitoring 1995**

**6448-95**

Collected: 6/20/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Alkalinity		80	mg/L			IN7405
Chloride		43.9	mg/L			W-50
Fluoride	U	0.1	mg/L			SA-F-7
Nitrate as Nitrogen		6.2	mg/L			W-50
Tetraoxo-sulfate(1-)		10	mg/L			W-50
Total Phosphate as Phosphorus	U	2	mg/L			W-50
<b>Field P</b>						
Depth to Water		41.76	ft			
Dissolved Oxygen		5.13	mg/L			
pH		5.8	Std Unit			
Temperature		62	deg F			
<b>METAL</b>						
Aluminum	N	1.5	mg/L			SW846-6010
Calcium	N	29.5	mg/L			SW846-6010
Iron		1.8	mg/L			SW846-6010
Magnesium	N	10.2	mg/L			SW846-6010
Manganese		0.02	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Sodium	N	20.1	mg/L			SW846-6010
<b>METAL-D</b>						
Aluminum	NU	0.63	mg/L			SW846-6010
Calcium	N	25.9	mg/L			SW846-6010
Iron	U	0.36	mg/L			SW846-6010
Magnesium	N	11.9	mg/L			SW846-6010
Manganese		0.04	mg/L			SW846-6010
Sodium	N	26.9	mg/L			SW846-6010
<b>PHYSC</b>						
Silica		27	mg/L			IN7470
Specific Conductivity (PIP)		380	umho/cm			SA-COND
Turbidity		25	NTU			IN7490
<b>RADS</b>						
Alpha activity		26.1	pCi/L	1.3		R-4
Beta activity		1490	pCi/L	14		R-4
Radon-222		219	pCi/L	65		R-51
Technetium-99		2323	pCi/L	44		R-46
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.5	mg/L			SW846-8260
1,1-Dichloroethane	U	0.5	mg/L			SW846-8260
Bromodichloromethane	U	0.5	mg/L			SW846-8260
Toluene	U	0.5	mg/L			SW846-8260
Total Xylene	U	1	mg/L			SW846-8260
trans-1,2-Dichloroethene	U	0.5	mg/L			SW846-8260
Trichloroethene		8.5	mg/L			SW846-8260

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**MW66**

**EM-GW-95**

## Groundwater Monitoring 1995

**6449-95**

Collected: 6/20/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.8	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		379	umho/cm			SA-COND

**6450-95**

Collected: 6/20/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.8	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		379	umho/cm			SA-COND

**6451-95**

Collected: 6/20/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.8	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		379	umho/cm			SA-COND

**MW66**

**EM-GW-95**

**Groundwater Monitoring 1995**

**7168-95**

Collected: 7/19/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Alkalinity		78	mg/L			IN7405
Chloride		37.7	mg/L			W-50
Fluoride	U	0.1	mg/L			SA-F-7
Nitrate as Nitrogen		5.4	mg/L			W-50
Tetraoxo-sulfate(1-)		11.3	mg/L			W-50
Total Phosphate as Phosphorus	U	2	mg/L			W-120
<b>Field P</b>						
Depth to Water		40.65	ft			
Dissolved Oxygen		4.45	mg/L			
pH		5.9	Std Unit			
Temperature		61	deg F			
<b>METAL</b>						
Aluminum	U	0.63	mg/L			SW846-6010
Calcium	N	25.7	mg/L			SW846-6010
Iron	N*U	0.36	mg/L			SW846-6010
Magnesium	N	8.5	mg/L			SW846-6010
Manganese		0.03	mg/L			SW846-6010
Sodium	N	18.5	mg/L			SW846-6010
<b>METAL-D</b>						
Aluminum	U	0.63	mg/L			SW846-6010
Calcium		29.3	mg/L			SW846-6010
Iron	U	0.36	mg/L			SW846-6010
Magnesium		10	mg/L			SW846-6010
Manganese	U	0.02	mg/L			SW846-6010
Sodium		21.3	mg/L			SW846-6010
<b>PHYSC</b>						
Silica		29	mg/L			IN7470
Specific Conductivity (PIP)		340	umho/cm			IN7125
Turbidity		1.8	NTU			IN7490
<b>RADS</b>						
Alpha activity		-1.1	pCi/L	-0.1		R-4
Beta activity		966	pCi/L	11		R-4
Radon-222		240	pCi/L	60		R-51
Technetium-99		1672	pCi/L	38		R-46
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.5	mg/L			SW846-8260
1,1-Dichloroethane	U	0.5	mg/L			SW846-8260
Bromodichloromethane	U	0.5	mg/L			SW846-8260
Toluene	U	0.5	mg/L			SW846-8260
Total Xylene	U	1	mg/L			SW846-8260
trans-1,2-Dichloroethene	U	0.5	mg/L			SW846-8260
Trichloroethene		4.6	mg/L			SW846-8260

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**MW66**  
**EM-GW-95**  
**7169-95**

## Groundwater Monitoring 1995

Collected: 7/19/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		343	umho/cm			IN7125

**7170-95**

Collected: 7/19/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		344	umho/cm			IN7125

**7171-95**

Collected: 7/19/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		347	umho/cm			IN7125

**MW66**  
**EM-GW-95**  
**7188-95**

**Groundwater Monitoring 1995**

Collected: 8/29/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Alkalinity		79	mg/L			IN7405
Chloride		14.6	mg/L			W-50
Fluoride		0.11	mg/L			SA-F-7
Nitrate as Nitrogen		1.8	mg/L			W-50
Tetraoxo-sulfate(1-)		10.4	mg/L			W-50
<b>Field P</b>						
Depth to Water		41.86	ft			
Dissolved Oxygen		7.47	mg/L			
pH		6	Std Unit			
Temperature		62	deg F			
<b>METAL</b>						
Aluminum	NU	0.625	mg/L			SW846-6010
Calcium	N	21.4	mg/L			SW846-6010
Iron	NU	0.355	mg/L			SW846-6010
Magnesium	N	6.44	mg/L			SW846-6010
Manganese	U	0.02	mg/L			SW846-6010
Potassium	NU	10.5	mg/L			SW846-6010
Sodium	N	15.9	mg/L			SW846-6010
<b>METAL-D</b>						
Aluminum	NU	0.625	mg/L			SW846-6010
Calcium	N	20.7	mg/L			SW846-6010
Iron	U	0.355	mg/L			SW846-6010
Magnesium	N	6.56	mg/L			SW846-6010
Manganese	U	0.02	mg/L			SW846-6010
Potassium	U	10.5	mg/L			SW846-6010
Sodium	N	13.9	mg/L			SW846-6010
<b>PHYSC</b>						
Silica		39	mg/L			IN7470
Specific Conductivity (PIP)		254	umho/cm			IN7125
Turbidity		4	NTU			IN7490
<b>RADS</b>						
Alpha activity		0	pCi/L			R-4
Beta activity		378	pCi/L			R-4
Radon-222		306	pCi/L	60		R-51
Technetium-99		561	pCi/L	24		R-46
<b>VOA</b>						
1,1,1-Trichloroethane	U	1	mg/L			SW846-8260
1,1-Dichloroethane	U	1	mg/L			SW846-8260
Bromodichloromethane	U	1	mg/L			SW846-8260
Toluene	U	1	mg/L			SW846-8260
Total Xylene	U	2	mg/L			SW846-8260
Trichloroethene		1.2	mg/L			SW846-8260



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**MW66**  
**EM-GW-95**  
**7189-95**

## Groundwater Monitoring 1995

Collected: 8/29/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		259	umho/cm			IN7125

---

**7190-95**

Collected: 8/29/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		260	umho/cm			IN7125

---

**7191-95**

Collected: 8/29/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		263	umho/cm			IN7125

---

**MW66**

**EM-GW-95**

**Groundwater Monitoring 1995**

**7333-95**

Collected: 9/21/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Alkalinity		74	mg/L			IN7405
Chloride		17.7	mg/L			IN7120
Fluoride	U	0.1	mg/L			SA-F-7
Nitrate as Nitrogen		2.3	mg/L			IN7120
Tetraoxo-sulfate(1-)		10.4	mg/L			IN7120
Total Phosphate as Phosphorus	U	2	mg/L			IN7120
<b>Field P</b>						
Depth to Water		43.39	ft			
Dissolved Oxygen		8	mg/L			
pH		6	Std Unit			
Temperature		60	deg F			
<b>METAL</b>						
Aluminum	NU	0.625	mg/L			SW846-6010
Calcium	N	19.7	mg/L			SW846-6010
Iron	U	0.355	mg/L			SW846-6010
Magnesium	N	5.72	mg/L			SW846-6010
Manganese	U	0.02	mg/L			SW846-6010
Potassium	U	10.5	mg/L			SW846-6010
Sodium	N*	16.2	mg/L			SW846-6010
<b>METAL-D</b>						
Aluminum	NU	0.625	mg/L			SW846-6010
Calcium	N	17.6	mg/L			SW846-6010
Iron	U	0.355	mg/L			SW846-6010
Magnesium	N	5.19	mg/L			SW846-6010
Manganese	U	0.02	mg/L			SW846-6010
Sodium	N	14	mg/L			SW846-6010
<b>PHYSC</b>						
Silica		34	mg/L			IN7470
Specific Conductivity (PIP)		254	umho/cm			IN7125
Turbidity		1.4	NTU			IN7490
<b>RADS</b>						
Alpha activity		8.1	pCi/L	1.8		R-4
Beta activity		267	pCi/L	12		R-4
Radon-222		299	pCi/L	99		R-51
Technetium-99		366	pCi/L	20		R-46
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.5	mg/L			SW846-8260
1,1-Dichloroethane	U	0.5	mg/L			SW846-8260
Bromodichloromethane	U	0.5	mg/L			SW846-8260
Toluene	U	0.5	mg/L			SW846-8260
Total Xylene	U	1	mg/L			SW846-8260
trans-1,2-Dichloroethene	U	0.5	mg/L			SW846-8260
Trichloroethene	U	1.4	mg/L			SW846-8260

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**MW66**  
**EM-GW-95**  
**7334-95**

## Groundwater Monitoring 1995

Collected: 9/21/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		257	umho/cm			IN7125

---

**7335-95**

Collected: 9/21/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		261	umho/cm			IN7125

---

**7336-95**

Collected: 9/21/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		265	umho/cm			IN7125

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**MW66**

**EM-GW-95**

**Groundwater Monitoring 1995**

**7892-95**

Collected: 10/24/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Alkalinity		69	mg/L			IN7405
Chloride		40.7	mg/L			IN7120
Fluoride	U	0.1	mg/L			SA-F-7
Nitrate as Nitrogen		5.7	mg/L			IN7120
Tetraoxo-sulfate(1-)		10.5	mg/L			IN7120
Total Phosphate as Phosphorus	U	2	mg/L			IN7120
<b>Field P</b>						
Depth to Water		45.12	ft			
Dissolved Oxygen		6.6	mg/L			
pH		6	Std Unit			
Temperature		59	deg F			
<b>METAL</b>						
Aluminum		2.56	mg/L			SW846-6010
Calcium	N	23	mg/L			SW846-6010
Iron		3.13	mg/L			SW846-6010
Magnesium	N	8.56	mg/L			SW846-6010
Manganese		0.037	mg/L			SW846-6010
Potassium	U	10.5	mg/L			SW846-6010
Sodium	N	19	mg/L			SW846-6010
<b>METAL-D</b>						
Aluminum	U	0.625	mg/L			SW846-6010
Calcium	N	22.9	mg/L			SW846-6010
Iron	U	0.355	mg/L			SW846-6010
Magnesium	N	8.17	mg/L			SW846-6010
Manganese	U	0.02	mg/L			SW846-6010
Sodium	N	18.5	mg/L			SW846-6010
<b>PHYSC</b>						
Silica		25	mg/L			IN7470
Specific Conductivity (PIP)		339	umho/cm			IN7125
Turbidity		51	NTU			IN7490
<b>RADS</b>						
Alpha activity		-15.6	pCi/L	-1.9		R-4
Beta activity		1450	pCi/L	29		R-4
Radon-222		311	pCi/L	56		R-51
Technetium-99		1852	pCi/L	39		RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	1	mg/L			SW846-8260
1,1-Dichloroethane	U	1	mg/L			SW846-8260
Bromodichloromethane	U	1	mg/L			SW846-8260
Toluene	U	1	mg/L			SW846-8260
Total Xylene	U	2	mg/L			SW846-8260
Trichloroethene		8.9	mg/L			SW846-8260

**MW66**  
**EM-GW-95**  
**7893-95**

**Groundwater Monitoring 1995**

Collected: 10/24/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		335	umho/cm			IN7125

**7894-95**

Collected: 10/24/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		340	umho/cm			IN7125

**7895-95**

Collected: 10/24/1995                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		335	umho/cm			IN7125

**MW66**

**EM-GW-95**

**Groundwater Monitoring 1995**

**8011-95**

Collected: 11/29/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Alkalinity		70	mg/L			IN7405
Chloride		27.7	mg/L			IN7120
Fluoride	U	0.1	mg/L			SA-F-7
Nitrate as Nitrogen	X	3.7	mg/L			IN7120
Tetraoxo-sulfate(1-)		10.2	mg/L			IN7120
Total Phosphate as Phosphorus	U	2	mg/L			IN7120
<b>Field P</b>						
Depth to Water		46.2	ft			
Dissolved Oxygen		7.21	mg/L			
pH		6.1	Std Unit			
Temperature		59	deg F			
<b>METAL</b>						
Aluminum	N	1.01	mg/L			SW846-6010
Calcium	N	19.6	mg/L			SW846-6010
Iron	N	0.625	mg/L			SW846-6010
Magnesium	N	6.19	mg/L			SW846-6010
Manganese	U	0.02	mg/L			SW846-6010
Potassium	U	10.5	mg/L			SW846-6010
Sodium	N	17.5	mg/L			SW846-6010
<b>METAL-D</b>						
Aluminum	U	0.625	mg/L			SW846-6010
Calcium	N	22.5	mg/L			SW846-6010
Iron	U	0.355	mg/L			SW846-6010
Magnesium	N	7.96	mg/L			SW846-6010
Manganese	U	0.02	mg/L			SW846-6010
Potassium	U	10.5	mg/L			SW846-6010
Sodium	N*	18.4	mg/L			SW846-6010
<b>PHYSC</b>						
Silica		33	mg/L			IN7470
Specific Conductivity (PIP)		260	umho/cm			IN7125
Turbidity		11	NTU			IN7490
<b>RADS</b>						
Alpha activity		4.7	pCi/L	0.8		R-4
Beta activity		704	pCi/L	20		R-4
Radon-222		318	pCi/L	61		R-51
Technetium-99		968	pCi/L	29		RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.5	mg/L			SW846-8260
1,1-Dichloroethane	U	0.5	mg/L			SW846-8260
Bromodichloromethane	U	0.5	mg/L			SW846-8260
Toluene	U	0.5	mg/L			SW846-8260
Total Xylene	U	1	mg/L			SW846-8260
trans-1,2-Dichloroethene	U	0.5	mg/L			SW846-8260
Trichloroethene		5.8	mg/L			SW846-8260

**MW66**  
**EM-GW-95**  
**8012-95**

**Groundwater Monitoring 1995**

Collected: 11/29/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.1	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		265	umho/cm			IN7125

**8013-95**

Collected: 11/29/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.1	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		277	umho/cm			IN7125

**8014-95**

Collected: 11/29/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.1	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		272	umho/cm			IN7125

**MW66**

**EM-GW-95**

**Groundwater Monitoring 1995**

**8381-95**

Collected: 12/18/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Alkalinity		71	mg/L			IN7405
Chloride		23.8	mg/L			IN7120
Fluoride	U	0.1	mg/L			SA-F-7
Nitrate as Nitrogen		3.3	mg/L			IN7120
Tetraoxo-sulfate(1-)		10.3	mg/L			IN7120
Total Phosphate as Phosphorus	U	2	mg/L			IN7120
<b>Field P</b>						
Depth to Water		46.25	ft			
Dissolved Oxygen		7.33	mg/L			
pH		5.9	Std Unit			
Temperature		59	deg F			
<b>METAL</b>						
Aluminum	NU	0.625	mg/L			SW846-6010
Calcium	N	21.4	mg/L			SW846-6010
Iron	U	0.355	mg/L			SW846-6010
Magnesium	N	7	mg/L			SW846-6010
Manganese	U	0.02	mg/L			SW846-6010
Potassium	N*U	10.5	mg/L			SW846-6010
Sodium	N	18.3	mg/L			SW846-6010
<b>METAL-D</b>						
Aluminum	U	0.625	mg/L			SW846-6010
Calcium	N	17.2	mg/L			SW846-6010
Iron	U	0.355	mg/L			SW846-6010
Magnesium	N	5.73	mg/L			SW846-6010
Manganese	U	0.02	mg/L			SW846-6010
Sodium	N*	14.1	mg/L			SW846-6010
<b>PHYSC</b>						
Silica		35	mg/L			IN7470
Specific Conductivity (PIP)		278	umho/cm			IN7125
Turbidity		2.6	NTU			IN7490
<b>RADS</b>						
Alpha activity	U	400	pCi/L			R-56
Alpha activity		0.8	pCi/L	0.2		R-4
Beta activity	U	1000	pCi/L			R-56
Beta activity		622	pCi/L	18		R-4
Radon-222		285	pCi/L	62		R-51
Technetium-99		972	pCi/L	30		RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.25	mg/L			SW846-8260
1,1-Dichloroethane	U	0.25	mg/L			SW846-8260
Bromodichloromethane	U	0.25	mg/L			SW846-8260
cis-1,2-Dichloroethene	U	0.25	mg/L			SW846-8260
Ethylbenzene	U	0.25	mg/L			SW846-8260
Toluene	U	0.25	mg/L			SW846-8260
Total Xylene	U	0.5	mg/L			SW846-8260
trans-1,2-Dichloroethene	U	0.25	mg/L			SW846-8260
Trichloroethene		6.2	mg/L			SW846-8260



**MW66  
EM-GW-95**

**Groundwater Monitoring 1995**

**8382-95**

Collected: 12/18/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		286	umho/cm			IN7125

**8383-95**

Collected: 12/18/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		284	umho/cm			IN7125

**8384-95**

Collected: 12/18/1995

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		292	umho/cm			IN7125

**MW180**

**EM-GW-96**

**Groundwater Monitoring 1996**

**5839-96**

Collected: 5/28/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		24.26	ft			
Dissolved Oxygen		1.49	mg/L			
pH		6.8	Std Unit			
Specific Conductivity (PIP)		820	umho/cm			
Temperature		64	deg F			
<b>METAL</b>						
Uranium		0.002	mg/L			IN7105
<b>METAL-D</b>						
Uranium		0.002	mg/L			IN7105
<b>PHYSC</b>						
Turbidity		134	NTU			IN7490
<b>RADS</b>						
Alpha activity		6.9	pCi/L	2.6		RL-7122
Beta activity		37	pCi/L	2		RL-7122
Technetium-99		36	pCi/L	11		RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1-Dichloroethane	U	0.005	mg/L			SW846-8260
1,2-Dichloroethane	U	0.005	mg/L			SW846-8260
Benzene	U	0.005	mg/L			SW846-8260
Bromodichloromethane	U	0.005	mg/L			SW846-8260
Carbon tetrachloride	U	0.005	mg/L			SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L			SW846-8260
Ethylbenzene	U	0.005	mg/L			SW846-8260
Tetrachloroethene	U	0.005	mg/L			SW846-8260
Toluene	U	0.005	mg/L			SW846-8260
Total Xylene	U	0.01	mg/L			SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L			SW846-8260
Trichloroethene	U	0.001	mg/L			SW846-8260

**MW182**

**EM-GW-96**

**Groundwater Monitoring 1996**

**5840-96**

Collected: 5/28/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		13.18	ft			
Dissolved Oxygen		0.93	mg/L			
pH		6.4	Std Unit			
Specific Conductivity (PIP)		1426	umho/cm			
Temperature		65	deg F			
<b>METAL</b>						
Uranium		0.53	mg/L			IN7105
<b>METAL-D</b>						
Uranium		0.51	mg/L			IN7105
<b>PHYSC</b>						
Turbidity		440	NTU			IN7490
<b>RADS</b>						
Alpha activity		142.8	pCi/L	14.9		RL-7122
Beta activity		276	pCi/L	55		RL-7122
Technetium-99		40	pCi/L	12		RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1-Dichloroethane	U	0.005	mg/L			SW846-8260
1,2-Dichloroethane	U	0.005	mg/L			SW846-8260
Benzene		0.005	mg/L			SW846-8260
Bromodichloromethane	U	0.005	mg/L			SW846-8260
Carbon tetrachloride	U	0.005	mg/L			SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L			SW846-8260
Ethylbenzene	U	0.005	mg/L			SW846-8260
Tetrachloroethene	U	0.005	mg/L			SW846-8260
Toluene	U	0.005	mg/L			SW846-8260
Total Xylene	U	0.01	mg/L			SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L			SW846-8260
Trichloroethene	U	0.001	mg/L			SW846-8260

**MW185**

**EM-GW-96**

**Groundwater Monitoring 1996**

**5325-96**

Collected: 2/23/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		49.3	ft			
Dissolved Oxygen		5.18	mg/L			
pH		5.9	Std Unit			
Temperature		60	deg F			
<b>PHYSC</b>						
Specific Conductivity (PIP)		418	umho/cm			IN7125
Turbidity		44	NTU			IN7490
<b>RADS</b>						
Alpha activity		3.7	pCi/L	0.7		R-4
Beta activity		665	pCi/L	20		R-4
Technetium-99		699	pCi/L	26		RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.25	mg/L			SW846-8260
1,1-Dichloroethane	U	0.25	mg/L			SW846-8260
Bromodichloromethane	U	0.25	mg/L			SW846-8260
cis-1,2-Dichloroethene	U	0.25	mg/L			SW846-8260
Ethylbenzene	U	0.25	mg/L			SW846-8260
Toluene	U	0.25	mg/L			SW846-8260
Total Xylene	U	0.5	mg/L			SW846-8260
trans-1,2-Dichloroethene	U	0.25	mg/L			SW846-8260
Trichloroethene		2.4	mg/L			SW846-8260

**5326-96**

Collected: 2/23/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		413	umho/cm			IN7125

**5327-96**

Collected: 2/23/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		412	umho/cm			IN7125

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**MW185**

**EM-GW-96**

## Groundwater Monitoring 1996

**5328-96**

Collected: 2/23/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		411	umho/cm			IN7125

**5841-96**

Collected: 5/9/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		47.75	ft			
Dissolved Oxygen		2.79	mg/L			
pH		6.1	Std Unit			
Specific Conductivity (PIP)		440	umho/cm			
Temperature		65	deg F			
<b>PHYSC</b>						
Turbidity		95	NTU			IN7490
<b>RADS</b>						
Alpha activity		-3.9	pCi/L	-1		RL-7122
Beta activity		416	pCi/L	16		RL-7122
Technetium-99		653	pCi/L	26		RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.5	mg/L			SW846-8260
1,1-Dichloroethane	U	0.5	mg/L			SW846-8260
Bromodichloromethane	U	0.5	mg/L			SW846-8260
Toluene	U	0.5	mg/L			SW846-8260
Total Xylene	U	1	mg/L			SW846-8260
trans-1,2-Dichloroethene	U	0.5	mg/L			SW846-8260
Trichloroethene		2.4	mg/L			SW846-8260

MW185

EM-GW-96

Groundwater Monitoring 1996

6070-96

Collected: 8/21/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		35.48	ft			
Dissolved Oxygen		2.2	mg/L			
pH		6	Std Unit			
Specific Conductivity (PIP)		428	umho/cm			
Temperature		67	deg F			
<b>RADS</b>						
Alpha activity		-0.4	pCi/L	-0.1		RL-7122
Beta activity		530	pCi/L	18		RL-7122
Technetium-99		722	pCi/L	26		RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.5	mg/L			SW846-8260
1,1-Dichloroethane	U	0.5	mg/L			SW846-8260
Bromodichloromethane	U	0.5	mg/L			SW846-8260
Toluene	U	0.5	mg/L			SW846-8260
Total Xylene	U	1	mg/L			SW846-8260
trans-1,2-Dichloroethene	U	0.5	mg/L			SW846-8260
Trichloroethene		2.2	mg/L			SW846-8260

**MW186**  
**EM-GW-96**  
**5329-96**

**Groundwater Monitoring 1996**

Collected: 2/23/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		8.53	ft			
Dissolved Oxygen		1.16	mg/L			
pH		5.7	Std Unit			
Temperature		59	deg F			
<b>PHYSC</b>						
Specific Conductivity (PIP)		2110	umho/cm			IN7125
Turbidity		17	NTU			IN7490
<b>RADS</b>						
Alpha activity		14.8	pCi/L	6.2		R-4
Beta activity		90	pCi/L	11		R-4
Technetium-99		40	pCi/L	12		RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.25	mg/L			SW846-8260
1,1-Dichloroethane	U	0.25	mg/L			SW846-8260
Bromodichloromethane	U	0.25	mg/L			SW846-8260
cis-1,2-Dichloroethene		2.1	mg/L			SW846-8260
Ethylbenzene	U	0.25	mg/L			SW846-8260
Toluene	U	0.25	mg/L			SW846-8260
Total Xylene	U	0.5	mg/L			SW846-8260
trans-1,2-Dichloroethene	U	0.25	mg/L			SW846-8260
Trichloroethene		0.51	mg/L			SW846-8260
Vinyl chloride		2.3	mg/L			SW846-8260

**5330-96**

Collected: 2/23/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.7	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		2100	umho/cm			IN7125

**5331-96**

Collected: 2/23/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.7	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		2090	umho/cm			IN7125

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**MW186**  
**EM-GW-96**  
**5332-96**

**Groundwater Monitoring 1996**

Collected: 2/23/1996                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.7	Std Unit			
<b>PHYSIC</b>						
Specific Conductivity (PIP)		2070	umho/cm			IN7125

**5842-96**

Collected: 5/9/1996                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		7.58	ft			
Dissolved Oxygen		1.92	mg/L			
pH		5.6	Std Unit			
Specific Conductivity (PIP)		1880	umho/cm			
Temperature		71	deg F			
<b>PHYSIC</b>						
Turbidity		12	NTU			IN7490
<b>RADS</b>						
Alpha activity		7	pCi/L	3.2		RL-7122
Beta activity		50	pCi/L	7		RL-7122
Technetium-99		40	pCi/L	12		RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.5	mg/L			SW846-8260
1,1-Dichloroethane	U	0.5	mg/L			SW846-8260
Bromodichloromethane	U	0.5	mg/L			SW846-8260
cis-1,2-Dichloroethene		2.2	mg/L			SW846-8260
Toluene	U	0.5	mg/L			SW846-8260
Total Xylene	U	1	mg/L			SW846-8260
trans-1,2-Dichloroethene	U	0.5	mg/L			SW846-8260
Trichloroethene		0.69	mg/L			SW846-8260
Vinyl chloride		3	mg/L			SW846-8260



**MW186**

**EM-GW-96**

**Groundwater Monitoring 1996**

**6071-96**

Collected: 8/21/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		8.35	ft			
Dissolved Oxygen		0.77	mg/L			
pH		5.45	Std Unit			
Specific Conductivity (PIP)		1890	umho/cm			
Temperature		67	deg F			
<b>RADS</b>						
Alpha activity		-0.2	pCi/L	-0.1		RL-7122
Beta activity		50	pCi/L	5		RL-7122
Technetium-99		44	pCi/L	12		RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.5	mg/L			SW846-8260
1,1-Dichloroethane	U	0.5	mg/L			SW846-8260
Bromodichloromethane	U	0.5	mg/L			SW846-8260
cis-1,2-Dichloroethene		1.2	mg/L			SW846-8260
Toluene	U	0.5	mg/L			SW846-8260
Total Xylene	U	1	mg/L			SW846-8260
trans-1,2-Dichloroethene	U	0.5	mg/L			SW846-8260
Trichloroethene		0.37	mg/L			SW846-8260
Vinyl chloride		1.9	mg/L			SW846-8260

**MW187**

**EM-GW-96**

**Groundwater Monitoring 1996**

**5333-96**

Collected: 2/23/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		7.9	ft			
Dissolved Oxygen		1.72	mg/L			
pH		6.2	Std Unit			
Temperature		59	deg F			
<b>PHYSC</b>						
Specific Conductivity (PIP)		899	umho/cm			IN7125
Turbidity		30	NTU			IN7490
<b>RADS</b>						
Alpha activity		1.4	pCi/L	0.7		R-4
Beta activity		2	pCi/L	0		R-4
Technetium-99		1	pCi/L	10		RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.05	mg/L			SW846-8260
1,1-Dichloroethane	U	0.05	mg/L			SW846-8260
Bromodichloromethane	U	0.05	mg/L			SW846-8260
cis-1,2-Dichloroethene		0.066	mg/L			SW846-8260
Ethylbenzene	U	0.05	mg/L			SW846-8260
Tetrachloroethene	U	0.05	mg/L			SW846-8260
Toluene	U	0.05	mg/L			SW846-8260
Total Xylene	U	0.1	mg/L			SW846-8260
trans-1,2-Dichloroethene	U	0.05	mg/L			SW846-8260
Trichloroethene		0.84	mg/L			SW846-8260

**5334-96**

Collected: 2/23/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.2	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		900	umho/cm			IN7125

**5335-96**

Collected: 2/23/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.2	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		903	umho/cm			IN7125

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MW187

EM-GW-96

Groundwater Monitoring 1996

5336-96

Collected: 2/23/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.2	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		905	umho/cm			IN7125

5843-96

Collected: 5/9/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		7.55	ft			
Dissolved Oxygen		2.38	mg/L			
pH		6.2	Std Unit			
Specific Conductivity (PIP)		886	umho/cm			
Temperature		66	deg F			
<b>PHYSC</b>						
Turbidity		68	NTU			IN7490
<b>RADS</b>						
Alpha activity		1.6	pCi/L	0.8		RL-7122
Beta activity		7	pCi/L	1		RL-7122
Technetium-99		0	pCi/L	0		RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.05	mg/L			SW846-8260
1,1-Dichloroethane	U	0.05	mg/L			SW846-8260
Bromodichloromethane	U	0.05	mg/L			SW846-8260
cis-1,2-Dichloroethene	U	0.05	mg/L			SW846-8260
Ethylbenzene	U	0.05	mg/L			SW846-8260
Tetrachloroethene	U	0.05	mg/L			SW846-8260
Toluene	U	0.05	mg/L			SW846-8260
Total Xylene	U	0.1	mg/L			SW846-8260
trans-1,2-Dichloroethene	U	0.05	mg/L			SW846-8260
Trichloroethene		0.44	mg/L			SW846-8260

**MW187**

**EM-GW-96**

**Groundwater Monitoring 1996**

**6072-96**

Collected: 8/21/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		8.48	ft			
Dissolved Oxygen		0.94	mg/L			
pH		6	Std Unit			
Specific Conductivity (PIP)		901	umho/cm			
Temperature		66	deg F			
<b>RADS</b>						
Alpha activity		2.6	pCi/L	1.2		RL-7122
Beta activity		3	pCi/L	1		RL-7122
Technetium-99		4	pCi/L	11		RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.05	mg/L			SW846-8260
1,1-Dichloroethane	U	0.05	mg/L			SW846-8260
Bromodichloromethane	U	0.05	mg/L			SW846-8260
cis-1,2-Dichloroethene	U	0.05	mg/L			SW846-8260
Ethylbenzene	U	0.05	mg/L			SW846-8260
Tetrachloroethene	U	0.05	mg/L			SW846-8260
Toluene	U	0.05	mg/L			SW846-8260
Total Xylene	U	0.1	mg/L			SW846-8260
trans-1,2-Dichloroethene	U	0.05	mg/L			SW846-8260
Trichloroethene		0.42	mg/L			SW846-8260

**MW245**

**EM-GW-96**

**Groundwater Monitoring 1996**

**5237-96**

Collected: 1/25/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>Field P</b> Depth to Water		45.16	ft			

---

## MW245

## EM-GW-96

## Groundwater Monitoring 1996

## 5408-96

Collected: 2/22/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Alkalinity		126	mg/L			IN7405
Chloride		9.9	mg/L			IN7120
Fluoride		0.24	mg/L			SA-F-7
Nitrate as Nitrogen	U	1	mg/L			IN7120
Tetraoxo-sulfate(1-)		12.2	mg/L			IN7120
Total Organic Carbon (TOC)	U	1	mg/L			W-150
Total Phosphate as Phosphorus	U	2	mg/L			IN7120
<b>Field P</b>						
Depth to Water		44.51	ft			
Dissolved Oxygen		3.57	mg/L			
pH		6.7	Std Unit			
Temperature		59	deg F			
<b>METAL</b>						
Aluminum		8.8	mg/L			SW846-6010
Barium		0.224	mg/L			SW846-6010
Beryllium	U	0.015	mg/L			SW846-6010
Cadmium	U	0.025	mg/L			SW846-6010
Calcium		18.7	mg/L			SW846-6010
Chromium	U	0.06	mg/L			SW846-6010
Cobalt	U	0.045	mg/L			SW846-6010
Copper	U	0.025	mg/L			SW846-6010
Iron		13.9	mg/L			SW846-6010
Lead		0.432	mg/L			SW846-6010
Magnesium		8.23	mg/L			SW846-6010
Manganese		1.54	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Molybdenum	U	0.055	mg/L			SW846-6010
Nickel	U	0.1	mg/L			SW846-6010
Potassium	U	10.5	mg/L			SW846-6010
Selenium	UB	0.005	mg/L			SW846-7740
Silica		28	mg/L			IN7470
Silver	UX	0.06	mg/L			SW846-6010
Sodium	N	24.8	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Zinc	B	0.035	mg/L			SW846-6010
<b>METAL-D</b>						
Aluminum		1.35	mg/L			SW846-6010
Barium		0.155	mg/L			SW846-6010
Calcium	N	17.6	mg/L			SW846-6010
Iron	N	0.788	mg/L			SW846-6010
Magnesium	N	7.72	mg/L			SW846-6010
Manganese		1.51	mg/L			SW846-6010
Sodium	N	25.8	mg/L			SW846-6010
Zinc	U	0.03	mg/L			SW846-6010
<b>PHYSC</b>						
Dissolved Solids		192	mg/L			IN7475
Specific Conductivity (PIP)		266	umho/cm			IN7125
Turbidity		154	NTU			IN7490
<b>RADS</b>						

**MW245**

**EM-GW-96**

**Groundwater Monitoring 1996**

Alpha activity	0.6	pCi/L	0.3	R-4
Beta activity	14	pCi/L	2	R-4
Technetium-99	6	pCi/L	11	RL-7100

**VOA**

1,1,1-Trichloroethane	U	0.005	mg/L	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	SW846-8260
Benzene	U	0.005	mg/L	SW846-8260
Bromodichloromethane	U	0.005	mg/L	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
Ethylbenzene	U	0.005	mg/L	SW846-8260
Tetrachloroethene	U	0.005	mg/L	SW846-8260
Toluene	U	0.005	mg/L	SW846-8260
Total Xylene	U	0.01	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
Trichloroethene		0.012	mg/L	SW846-8260

**5409-96**

Collected: 2/22/1996                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
<b>Field P</b>						
pH		6.7	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		264	umho/cm			IN7125

**5410-96**

Collected: 2/22/1996                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
<b>Field P</b>						
pH		6.7	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		264	umho/cm			IN7125

**5411-96**

Collected: 2/22/1996                      Media Type: WG                      Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			W-150
<b>Field P</b>						
pH		6.7	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		264	umho/cm			IN7125

## MW245

## EM-GW-96

## Groundwater Monitoring 1996

## 5671-96

Collected: 3/27/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Alkalinity		103	mg/L			IN7405
Chloride		9.6	mg/L			IN7120
Fluoride		0.22	mg/L			SA-F-7
Nitrate as Nitrogen	U	1	mg/L			IN7120
Tetraoxo-sulfate(1-)		11.4	mg/L			IN7120
Total Phosphate as Phosphorus	U	2	mg/L			IN7120
<b>Field P</b>						
Depth to Water		43.64	ft			
Dissolved Oxygen		1.69	mg/L			
pH		6.3	Std Unit			
Temperature		58	deg F			
<b>METAL</b>						
Aluminum	N	1.68	mg/L			SW846-6010
Calcium	N	18.1	mg/L			SW846-6010
Iron		2.39	mg/L			SW846-6010
Magnesium	N	7.38	mg/L			SW846-6010
Manganese		1.51	mg/L			SW846-6010
Potassium	U	5	mg/L			SW846-6010
Silica		25	mg/L			IN7470
Sodium	N	24.5	mg/L			SW846-6010
<b>METAL-D</b>						
Aluminum	U	1	mg/L			SW846-6010
Calcium	N	16	mg/L			SW846-6010
Iron	U	0.3	mg/L			SW846-6010
Magnesium	N	6.63	mg/L			SW846-6010
Manganese		1.3	mg/L			SW846-6010
Sodium	N	19.7	mg/L			SW846-6010
<b>PHYSC</b>						
Specific Conductivity (PIP)		257	umho/cm			IN7125
Turbidity		35	NTU			IN7490
<b>RADS</b>						
Alpha activity		2.6	pCi/L	1.1		RL-7122
Beta activity		16	pCi/L	2		RL-7122
Radon-222		189	pCi/L	52		R-51
Technetium-99		24	pCi/L	11		RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1-Dichloroethane	U	0.005	mg/L			SW846-8260
1,2-Dichloroethane	U	0.005	mg/L			SW846-8260
Benzene	U	0.005	mg/L			SW846-8260
Bromodichloromethane	U	0.005	mg/L			SW846-8260
Carbon tetrachloride	U	0.005	mg/L			SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L			SW846-8260
Ethylbenzene	U	0.005	mg/L			SW846-8260
Tetrachloroethene	U	0.005	mg/L			SW846-8260
Toluene	U	0.005	mg/L			SW846-8260
Total Xylene	U	0.01	mg/L			SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L			SW846-8260



**MW245**

**EM-GW-96**

**Groundwater Monitoring 1996**

Trichloroethene 0.02 mg/L SW846-8260

**5672-96**

Collected: 3/27/1996 Media Type: WG Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.2	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		257	umho/cm			IN7125

**5673-96**

Collected: 3/27/1996 Media Type: WG Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.2	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		258	umho/cm			IN7125

**5674-96**

Collected: 3/27/1996 Media Type: WG Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.1	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		258	umho/cm			IN7125

## MW245

## EM-GW-96

## Groundwater Monitoring 1996

## 5811-96

Collected: 4/30/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Alkalinity		111	mg/L			IN7405
Chloride		9.9	mg/L			IN7120
Nitrate as Nitrogen	U	1	mg/L			IN7120
Tetraoxo-sulfate(1-)		11.5	mg/L			IN7120
Total Phosphate as Phosphorus	U	2	mg/L			IN7120
<b>Field P</b>						
Depth to Water		42.83	ft			
Dissolved Oxygen		1.36	mg/L			
pH		6.4	Std Unit			
Specific Conductivity (PIP)		290	umho/cm			
Temperature		58	deg F			
<b>METAL</b>						
Aluminum		3.67	mg/L			SW846-6010
Calcium	N	19.9	mg/L			SW846-6010
Iron	NB	4.96	mg/L			SW846-6010
Magnesium		8.31	mg/L			SW846-6010
Manganese		1.87	mg/L			SW846-6010
Potassium	U	5	mg/L			SW846-6010
Silica		20	mg/L			IN7470
Sodium	N	25.5	mg/L			SW846-6010
<b>METAL-D</b>						
Aluminum	NU	0.75	mg/L			SW846-6010
Calcium	N	17	mg/L			SW846-6010
Iron	U	0.3	mg/L			SW846-6010
Magnesium	N	7.03	mg/L			SW846-6010
Manganese		1.58	mg/L			SW846-6010
Sodium	N	21.4	mg/L			SW846-6010
<b>PHYSC</b>						
Turbidity		96	NTU			IN7490
<b>RADS</b>						
Alpha activity		0.9	pCi/L	0.5		RL-7122
Beta activity		11	pCi/L	2		RL-7122
Radon-222		195	pCi/L	51		R-51
Technetium-99		8	pCi/L	12		RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1-Dichloroethane	U	0.005	mg/L			SW846-8260
1,2-Dichloroethane	U	0.005	mg/L			SW846-8260
Benzene	U	0.005	mg/L			SW846-8260
Bromodichloromethane	U	0.005	mg/L			SW846-8260
Carbon tetrachloride	U	0.005	mg/L			SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L			SW846-8260
Ethylbenzene	U	0.005	mg/L			SW846-8260
Tetrachloroethene	U	0.005	mg/L			SW846-8260
Toluene	U	0.005	mg/L			SW846-8260
Total Xylene	U	0.01	mg/L			SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L			SW846-8260
Trichloroethene	U	0.013	mg/L			SW846-8260

## MW245

## EM-GW-96

## Groundwater Monitoring 1996

## 5868-96

Collected: 5/30/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Alkalinity		151	mg/L			IN7405
Chloride		27.8	mg/L			IN7120
Nitrate as Nitrogen	U	1	mg/L			IN7120
Tetraoxo-sulfate(1-)		36.6	mg/L			IN7120
Total Phosphate as Phosphorus		13.1	mg/L			IN7120
<b>Field P</b>						
Depth to Water		40.42	ft			
Dissolved Oxygen		2.72	mg/L			
pH		6.5	Std Unit			
Specific Conductivity (PIP)		564	umho/cm			
Temperature		62	deg F			
<b>METAL</b>						
Aluminum	N	14.9	mg/L			SW846-6010
Calcium	N	25.6	mg/L			SW846-6010
Iron		17	mg/L			SW846-6010
Magnesium	N	9.23	mg/L			SW846-6010
Manganese		1.62	mg/L			SW846-6010
Potassium	JU	5	mg/L			SW846-6010
Silica		28	mg/L			IN7470
Sodium	N	61.3	mg/L			SW846-6010
<b>METAL-D</b>						
Aluminum	U	0.75	mg/L			SW846-6010
Calcium	N	17.9	mg/L			SW846-6010
Iron	U	0.3	mg/L			SW846-6010
Magnesium	N	7.58	mg/L			SW846-6010
Manganese		1.37	mg/L			SW846-6010
Sodium	N	60.7	mg/L			SW846-6010
<b>PHYSC</b>						
Turbidity		311	NTU			IN7490
<b>RADS</b>						
Alpha activity		4.7	pCi/L	2.3		RL-7122
Beta activity		9	pCi/L	2		RL-7122
Radon-222		154	pCi/L	47		R-51
Technetium-99		13	pCi/L	11		RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1-Dichloroethane	U	0.005	mg/L			SW846-8260
1,2-Dichloroethane	U	0.005	mg/L			SW846-8260
Benzene	U	0.005	mg/L			SW846-8260
Bromodichloromethane	U	0.005	mg/L			SW846-8260
Carbon tetrachloride	U	0.005	mg/L			SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L			SW846-8260
Ethylbenzene	U	0.005	mg/L			SW846-8260
Tetrachloroethene	U	0.005	mg/L			SW846-8260
Toluene	U	0.005	mg/L			SW846-8260
Total Xylene	U	0.01	mg/L			SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L			SW846-8260
Trichloroethene	U	0.007	mg/L			SW846-8260

## MW245

## EM-GW-96

## Groundwater Monitoring 1996

5922-96

Collected: 6/14/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Alkalinity		193	mg/L			IN7405
Chloride	NX	64.7	mg/L			IN7120
Nitrate as Nitrogen		2.5	mg/L			IN7120
Tetraoxo-sulfate(1-)	NX	98.4	mg/L			IN7120
Total Phosphate as Phosphorus		34.9	mg/L			IN7120
<b>Field P</b>						
Depth to Water		34.8	ft			
Dissolved Oxygen		4.31	mg/L			
pH		6.7	Std Unit			
Specific Conductivity (PIP)		959	umho/cm			
Temperature		65	deg F			
<b>METAL</b>						
Aluminum	N	19.5	mg/L			SW846-6010
Calcium	N	24.9	mg/L			SW846-6010
Iron		23.5	mg/L			SW846-6010
Magnesium	N	10.2	mg/L			SW846-6010
Manganese		0.967	mg/L			SW846-6010
Potassium	JU	5	mg/L			SW846-6010
Silica		22	mg/L			IN7470
Sodium	N	162	mg/L			SW846-6010
<b>METAL-D</b>						
Aluminum		0.802	mg/L			SW846-6010
Calcium	N	16.6	mg/L			SW846-6010
Iron		0.534	mg/L			SW846-6010
Magnesium	N	7.86	mg/L			SW846-6010
Manganese		0.711	mg/L			SW846-6010
Sodium	N	150	mg/L			SW846-6010
<b>PHYSC</b>						
Turbidity		28	NTU			IN7490
<b>RADS</b>						
Alpha activity		0.2	pCi/L	0.1		RL-7111
Beta activity		-2	pCi/L	0		RL-7111
Radon-222		70	pCi/L	53		R-51
Technetium-99		12	pCi/L	10		RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1-Dichloroethane	U	0.005	mg/L			SW846-8260
1,2-Dichloroethane	U	0.005	mg/L			SW846-8260
Benzene	U	0.005	mg/L			SW846-8260
Bromodichloromethane	U	0.005	mg/L			SW846-8260
Carbon tetrachloride	U	0.005	mg/L			SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L			SW846-8260
Ethylbenzene	U	0.005	mg/L			SW846-8260
Tetrachloroethene	U	0.005	mg/L			SW846-8260
Toluene	U	0.005	mg/L			SW846-8260
Total Xylene	U	0.01	mg/L			SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L			SW846-8260
Trichloroethene	U	0.005	mg/L			SW846-8260

**MW245**

**EM-GW-96**

**Groundwater Monitoring 1996**

**6013-96**

Collected: 7/25/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Alkalinity		154	mg/L			IN7405
Chloride		37.2	mg/L			IN7120
Nitrate as Nitrogen	U	1	mg/L			IN7120
Tetraoxo-sulfate(1-)		55	mg/L			IN7120
Total Phosphate as Phosphorus		10.4	mg/L			IN7120
<b>Field P</b>						
Depth to Water		38.53	ft			
Dissolved Oxygen		0.91	mg/L			
pH		6.4	Std Unit			
Specific Conductivity (PIP)		640	umho/cm			
Temperature		65	deg F			
<b>METAL</b>						
Aluminum	N	7.14	mg/L			SW846-6010
Calcium	N	18.9	mg/L			SW846-6010
Iron	N*	10	mg/L			SW846-6010
Magnesium	N	8.57	mg/L			SW846-6010
Manganese		1.27	mg/L			SW846-6010
Potassium	U	5	mg/L			SW846-6010
Silica		33	mg/L			IN7470
Sodium	N	82.1	mg/L			SW846-6010
<b>METAL-D</b>						
Aluminum		0.979	mg/L			SW846-6010
Calcium	N*	16.2	mg/L			SW846-6010
Iron		0.539	mg/L			SW846-6010
Magnesium	N	7.25	mg/L			SW846-6010
Manganese		1.06	mg/L			SW846-6010
Sodium	N	73.5	mg/L			SW846-6010
<b>PHYSC</b>						
Turbidity		229	NTU			IN7490
<b>RADS</b>						
Alpha activity		1.2	pCi/L	0.6		RL-7122
Beta activity		3	pCi/L	1		RL-7122
Radon-222		156	pCi/L	50		R-51
Technetium-99		14	pCi/L	10		RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1-Dichloroethane	U	0.005	mg/L			SW846-8260
1,2-Dichloroethane	U	0.005	mg/L			SW846-8260
Benzene	U	0.005	mg/L			SW846-8260
Bromodichloromethane	U	0.005	mg/L			SW846-8260
Carbon tetrachloride	U	0.005	mg/L			SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L			SW846-8260
Ethylbenzene	U	0.005	mg/L			SW846-8260
Tetrachloroethene	U	0.005	mg/L			SW846-8260
Toluene	U	0.005	mg/L			SW846-8260
Total Xylene	U	0.01	mg/L			SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L			SW846-8260
Trichloroethene	U	0.005	mg/L			SW846-8260

## MW245

## EM-GW-96

## Groundwater Monitoring 1996

6048-96

Collected: 8/12/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Alkalinity		146	mg/L			IN7405
Chloride		29.1	mg/L			IN7120
Nitrate as Nitrogen	U	1	mg/L			IN7120
Tetraoxo-sulfate(1-)		43.4	mg/L			IN7120
Total Phosphate as Phosphorus		7.7	mg/L			IN7120
<b>Field P</b>						
Depth to Water		39.99	ft			
Dissolved Oxygen		1.08	mg/L			
pH		6.4	Std Unit			
Specific Conductivity (PIP)		575	umho/cm			
Temperature		66	deg F			
<b>METAL</b>						
Aluminum		4.63	mg/L			SW846-6010
Calcium	N*	19.2	mg/L			SW846-6010
Iron		6.98	mg/L			SW846-6010
Magnesium		8.35	mg/L			SW846-6010
Manganese		1.32	mg/L			SW846-6010
Potassium	U	5	mg/L			SW846-6010
Silica		39	mg/L			IN7470
Sodium	N	73.7	mg/L			SW846-6010
<b>METAL-D</b>						
Aluminum	U	0.75	mg/L			SW846-6010
Calcium	N	17	mg/L			SW846-6010
Iron	UN	0.3	mg/L			SW846-6010
Magnesium	N	7.31	mg/L			SW846-6010
Manganese		1.15	mg/L			SW846-6010
Sodium	N	66.7	mg/L			SW846-6010
<b>PHYSC</b>						
Turbidity		160	NTU			IN7490
<b>RADS</b>						
Alpha activity		-0.7	pCi/L	-0.5		RL-7122
Beta activity		12	pCi/L	2		RL-7122
Radon-222		213	pCi/L	61		R-51
Technetium-99		15	pCi/L	10		RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1-Dichloroethane	U	0.005	mg/L			SW846-8260
1,2-Dichloroethane	U	0.005	mg/L			SW846-8260
Benzene	U	0.005	mg/L			SW846-8260
Bromodichloromethane	U	0.005	mg/L			SW846-8260
Carbon tetrachloride	U	0.005	mg/L			SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L			SW846-8260
Ethylbenzene	U	0.005	mg/L			SW846-8260
Tetrachloroethene	U	0.005	mg/L			SW846-8260
Toluene	U	0.005	mg/L			SW846-8260
Total Xylene	U	0.01	mg/L			SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L			SW846-8260
Trichloroethene	U	0.007	mg/L			SW846-8260

## MW245

## EM-GW-96

## Groundwater Monitoring 1996

## 6170-96

Collected: 9/23/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Alkalinity		146	mg/L			IN7405
Chloride		22.5	mg/L			IN7120
Nitrate as Nitrogen	U	1	mg/L			IN7120
Tetraoxo-sulfate(1-)		34	mg/L			IN7120
Total Phosphate as Phosphorus		6.2	mg/L			IN7120
<b>Field P</b>						
Depth to Water		41.78	ft			
Dissolved Oxygen		1.01	mg/L			
pH		6.7	Std Unit			
Specific Conductivity (PIP)		537	umho/cm			
Temperature		64	deg F			
<b>METAL</b>						
Aluminum	N	3.82	mg/L			SW846-6010
Calcium	N*	19.2	mg/L			SW846-6010
Iron		5.35	mg/L			SW846-6010
Magnesium	N	7.88	mg/L			SW846-6010
Manganese		1.43	mg/L			SW846-6010
Potassium	U	5	mg/L			SW846-6010
Silica		40	mg/L			IN7470
Sodium	N*	64	mg/L			SW846-6010
<b>METAL-D</b>						
Aluminum		0.846	mg/L			SW846-6010
Calcium	N	18.9	mg/L			SW846-6010
Iron		0.344	mg/L			SW846-6010
Magnesium	N	7.86	mg/L			SW846-6010
Manganese		1.43	mg/L			SW846-6010
Sodium	N*	64	mg/L			SW846-6010
<b>PHYSC</b>						
Turbidity		110	NTU			IN7490
<b>RADS</b>						
Alpha activity		-0.6	pCi/L	-0.3		RL-7122
Beta activity		15	pCi/L	1		RL-7122
Radon-222		221	pCi/L	57		R-51
Technetium-99		17	pCi/L	10		RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1-Dichloroethane	U	0.005	mg/L			SW846-8260
1,2-Dichloroethane	U	0.005	mg/L			SW846-8260
Benzene	U	0.005	mg/L			SW846-8260
Bromodichloromethane	U	0.005	mg/L			SW846-8260
Carbon tetrachloride	U	0.005	mg/L			SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L			SW846-8260
Ethylbenzene	U	0.005	mg/L			SW846-8260
Tetrachloroethene	U	0.005	mg/L			SW846-8260
Toluene	U	0.005	mg/L			SW846-8260
Total Xylene	U	0.01	mg/L			SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L			SW846-8260
Trichloroethene	U	0.01	mg/L			SW846-8260

**MW63**

**EM-GW-96**

**Groundwater Monitoring 1996**

**5265-96**

Collected: 2/19/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		48.26	ft			
Dissolved Oxygen		5.34	mg/L			
pH		6	Std Unit			
Temperature		59	deg F			
<b>PHYSC</b>						
Specific Conductivity (PIP)		236	umho/cm			IN7125
Turbidity		8.6	NTU			IN7490
<b>RADS</b>						
Alpha activity		-1.2	pCi/L	-0.9		R-4
Beta activity		3	pCi/L	1		R-4
Technetium-99		0	pCi/L	0		RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1-Dichloroethane	U	0.005	mg/L			SW846-8260
1,2-Dichloroethane	U	0.005	mg/L			SW846-8260
Benzene	U	0.005	mg/L			SW846-8260
Bromodichloromethane	U	0.005	mg/L			SW846-8260
Carbon tetrachloride	U	0.005	mg/L			SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L			SW846-8260
Ethylbenzene	U	0.005	mg/L			SW846-8260
Tetrachloroethene	U	0.005	mg/L			SW846-8260
Toluene	U	0.005	mg/L			SW846-8260
Total Xylene	U	0.01	mg/L			SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L			SW846-8260
Trichloroethene	U	0.001	mg/L			SW846-8260

**5266-96**

Collected: 2/19/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		237	umho/cm			IN7125

**5267-96**

Collected: 2/19/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		237	umho/cm			IN7125



**MW63**

**EM-GW-96**

**Groundwater Monitoring 1996**

**5268-96**

Collected: 2/19/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		237	umho/cm			IN7125

**5852-96**

Collected: 5/8/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		46.47	ft			
Dissolved Oxygen		4.75	mg/L			
pH		6.2	Std Unit			
Specific Conductivity (PIP)		227	umho/cm			
Temperature		71	deg F			
<b>PHYSC</b>						
Turbidity		120	NTU			IN7490
<b>RADS</b>						
Alpha activity		1.9	pCi/L	0.9		RL-7122
Beta activity		6	pCi/L	1		RL-7122
Technetium-99		0	pCi/L	0		RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1-Dichloroethane	U	0.005	mg/L			SW846-8260
1,2-Dichloroethane	U	0.005	mg/L			SW846-8260
Benzene	U	0.005	mg/L			SW846-8260
Bromodichloromethane	U	0.005	mg/L			SW846-8260
Carbon tetrachloride	U	0.005	mg/L			SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L			SW846-8260
Ethylbenzene	U	0.005	mg/L			SW846-8260
Tetrachloroethene	U	0.005	mg/L			SW846-8260
Toluene	U	0.005	mg/L			SW846-8260
Total Xylene	U	0.01	mg/L			SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L			SW846-8260
Trichloroethene	U	0.001	mg/L			SW846-8260

**MW63**

**EM-GW-96**

**Groundwater Monitoring 1996**

**6087-96**

Collected: 8/21/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		44.33	ft			
Dissolved Oxygen		9.18	mg/L			
pH		5.9	Std Unit			
Specific Conductivity (PIP)		242	umho/cm			
Temperature		68	deg F			
<b>RADS</b>						
Alpha activity		-2.2	pCi/L	-1.2		RL-7122
Beta activity		0	pCi/L	0		RL-7122
Technetium-99		13	pCi/L	11		RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1-Dichloroethane	U	0.005	mg/L			SW846-8260
1,2-Dichloroethane	U	0.005	mg/L			SW846-8260
Benzene	U	0.005	mg/L			SW846-8260
Bromodichloromethane	U	0.005	mg/L			SW846-8260
Carbon tetrachloride	U	0.005	mg/L			SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L			SW846-8260
Ethylbenzene	U	0.005	mg/L			SW846-8260
Tetrachloroethene	U	0.005	mg/L			SW846-8260
Toluene	U	0.005	mg/L			SW846-8260
Total Xylene	U	0.01	mg/L			SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L			SW846-8260
Trichloroethene	U	0.001	mg/L			SW846-8260

**MW65**  
**EM-GW-96**  
**5269-96**

**Groundwater Monitoring 1996**

Collected: 2/19/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		48.26	ft			
Dissolved Oxygen		4.95	mg/L			
pH		5.9	Std Unit			
Temperature		59	deg F			
<b>PHYSC</b>						
Specific Conductivity (PIP)		198	umho/cm			IN7125
Turbidity		1	NTU			IN7490
<b>RADS</b>						
Alpha activity		-0.7	pCi/L	-0.4		R-4
Beta activity		4	pCi/L	1		R-4
Technetium-99		0	pCi/L	0		RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1-Dichloroethane	U	0.005	mg/L			SW846-8260
1,2-Dichloroethane	U	0.005	mg/L			SW846-8260
Benzene	U	0.005	mg/L			SW846-8260
Bromodichloromethane	U	0.005	mg/L			SW846-8260
Carbon tetrachloride	U	0.005	mg/L			SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L			SW846-8260
Ethylbenzene	U	0.005	mg/L			SW846-8260
Tetrachloroethene	U	0.005	mg/L			SW846-8260
Toluene	U	0.005	mg/L			SW846-8260
Total Xylene	U	0.01	mg/L			SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L			SW846-8260
Trichloroethene	U	0.001	mg/L			SW846-8260

**5270-96**

Collected: 2/19/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		198	umho/cm			IN7125

**5271-96**

Collected: 2/19/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		198	umho/cm			IN7125

**MW65**

**EM-GW-96**

**Groundwater Monitoring 1996**

**5272-96**

Collected: 2/19/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		198	umho/cm			IN7125

**5853-96**

Collected: 5/8/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		46.49	ft			
Dissolved Oxygen		3.86	mg/L			
pH		6.1	Std Unit			
Specific Conductivity (PIP)		186	umho/cm			
Temperature		65	deg F			
<b>PHYSC</b>						
Turbidity		5.6	NTU			IN7490
<b>RADS</b>						
Alpha activity		0.4	pCi/L	0.2		RL-7122
Beta activity		6	pCi/L	1		RL-7122
Technetium-99		0	pCi/L	0		RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1-Dichloroethane	U	0.005	mg/L			SW846-8260
1,2-Dichloroethane	U	0.005	mg/L			SW846-8260
Benzene	U	0.005	mg/L			SW846-8260
Bromodichloromethane	U	0.005	mg/L			SW846-8260
Carbon tetrachloride	U	0.005	mg/L			SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L			SW846-8260
Ethylbenzene	U	0.005	mg/L			SW846-8260
Tetrachloroethene	U	0.005	mg/L			SW846-8260
Toluene	U	0.005	mg/L			SW846-8260
Total Xylene	U	0.01	mg/L			SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L			SW846-8260
Trichloroethene	U	0.001	mg/L			SW846-8260

**MW65**

**EM-GW-96**

**Groundwater Monitoring 1996**

**6088-96**

Collected: 8/21/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		44.32	ft			
Dissolved Oxygen		4	mg/L			
pH		5.7	Std Unit			
Specific Conductivity (PIP)		186	umho/cm			
Temperature		68	deg F			
<b>RADS</b>						
Alpha activity		-0.9	pCi/L	-0.5		RL-7122
Beta activity		1	pCi/L	0		RL-7122
Technetium-99		10	pCi/L	11		RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1-Dichloroethane	U	0.005	mg/L			SW846-8260
1,2-Dichloroethane	U	0.005	mg/L			SW846-8260
Benzene	U	0.005	mg/L			SW846-8260
Bromodichloromethane	U	0.005	mg/L			SW846-8260
Carbon tetrachloride	U	0.005	mg/L			SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L			SW846-8260
Ethylbenzene	U	0.005	mg/L			SW846-8260
Tetrachloroethene	U	0.005	mg/L			SW846-8260
Toluene	U	0.005	mg/L			SW846-8260
Total Xylene	U	0.01	mg/L			SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L			SW846-8260
Trichloroethene	U	0.001	mg/L			SW846-8260

**MW66**

**EM-GW-96**

**Groundwater Monitoring 1996**

**5254-96**

Collected: 1/25/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		47.44	ft			
Dissolved Oxygen		7.39	mg/L			
pH		5.9	Std Unit			
Temperature		59	deg F			
<b>RADS</b>						
Alpha activity		-1.4	pCi/L	-0.4		R-4
Beta activity		365	pCi/L	13		R-4
Technetium-99		743	pCi/L	26		RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.5	mg/L			SW846-8260
1,1-Dichloroethane	U	0.5	mg/L			SW846-8260
Bromodichloromethane	U	0.5	mg/L			SW846-8260
Toluene	U	0.5	mg/L			SW846-8260
Total Xylene	U	1	mg/L			SW846-8260
trans-1,2-Dichloroethene	U	0.5	mg/L			SW846-8260
Trichloroethene		2.1	mg/L			SW846-8260

**5354-96**

Collected: 2/27/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		46.67	ft			
Dissolved Oxygen		7.56	mg/L			
pH		6.2	Std Unit			
Temperature		60	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			IN7105
<b>PHYSC</b>						
Specific Conductivity (PIP)		213	umho/cm			IN7125
<b>RADS</b>						
Alpha activity		3.9	pCi/L	1.1		R-4
Beta activity		168	pCi/L	8		R-4
Technetium-99		302	pCi/L	18		RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.05	mg/L			SW846-8260
1,1-Dichloroethane	U	0.05	mg/L			SW846-8260
Bromodichloromethane	U	0.05	mg/L			SW846-8260
cis-1,2-Dichloroethene	U	0.05	mg/L			SW846-8260
Ethylbenzene	U	0.05	mg/L			SW846-8260
Tetrachloroethene	U	0.05	mg/L			SW846-8260
Toluene	U	0.05	mg/L			SW846-8260
Total Xylene	U	0.1	mg/L			SW846-8260
trans-1,2-Dichloroethene	U	0.05	mg/L			SW846-8260
Trichloroethene		0.81	mg/L			SW846-8260

**MW66**

**EM-GW-96**

**Groundwater Monitoring 1996**

**5355-96**

Collected: 2/27/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.2	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		213	umho/cm			IN7125

**5356-96**

Collected: 2/27/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.2	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		215	umho/cm			IN7125

**5357-96**

Collected: 2/27/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		6.2	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		216	umho/cm			IN7125

**5599-96**

Collected: 3/27/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		46.72	ft			
Dissolved Oxygen		6.08	mg/L			
pH		5.9	Std Unit			
Temperature		58	deg F			
<b>PHYSC</b>						
Specific Conductivity (PIP)		280	umho/cm			IN7125
<b>RADS</b>						
Alpha activity		7.1	pCi/L	1		RL-7122
Beta activity		972	pCi/L	23		RL-7122
Technetium-99		1340	pCi/L	34		RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.5	mg/L			SW846-8260
1,1-Dichloroethane	U	0.5	mg/L			SW846-8260
Bromodichloromethane	U	0.5	mg/L			SW846-8260
Toluene	U	0.5	mg/L			SW846-8260
Total Xylene	U	1	mg/L			SW846-8260
trans-1,2-Dichloroethene	U	0.5	mg/L			SW846-8260
Trichloroethene		2.6	mg/L			SW846-8260

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## MW66

### EM-GW-96

## Groundwater Monitoring 1996

#### 5600-96

Collected: 3/27/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		280	umho/cm			IN7125

#### 5601-96

Collected: 3/27/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		283	umho/cm			IN7125

#### 5602-96

Collected: 3/27/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
pH		5.9	Std Unit			
<b>PHYSC</b>						
Specific Conductivity (PIP)		288	umho/cm			IN7125

#### 5798-96

Collected: 4/30/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		45.12	ft			
Dissolved Oxygen		5.27	mg/L			
pH		6.2	Std Unit			
Specific Conductivity (PIP)		222	umho/cm			
Temperature		58	deg F			
<b>RADS</b>						
Alpha activity		2.1	pCi/L	0.5		RL-7122
Beta activity		311	pCi/L	13		RL-7122
Technetium-99		541	pCi/L	24		RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.1	mg/L			SW846-8260
1,1-Dichloroethane	U	0.1	mg/L			SW846-8260
Bromodichloromethane	U	0.1	mg/L			SW846-8260
cis-1,2-Dichloroethene	U	0.1	mg/L			SW846-8260
Ethylbenzene	U	0.1	mg/L			SW846-8260
Tetrachloroethene		0.32	mg/L			SW846-8260
Toluene	U	0.1	mg/L			SW846-8260
Total Xylene	U	0.2	mg/L			SW846-8260
trans-1,2-Dichloroethene	U	0.1	mg/L			SW846-8260
Trichloroethene		1.1	mg/L			SW846-8260



**MW66**  
**EM-GW-96**  
**5854-96**

**Groundwater Monitoring 1996**

Collected: 5/30/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		42.78	ft			
Dissolved Oxygen		4.64	mg/L			
pH		5.9	Std Unit			
Specific Conductivity (PIP)		304	umho/cm			
Temperature		61	deg F			
<b>RADS</b>						
Alpha activity		11	pCi/L	1.3		RL-7122
Beta activity		1815	pCi/L	32		RL-7122
Technetium-99		2738	pCi/L	47		RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.5	mg/L			SW846-8260
1,1-Dichloroethane	U	0.5	mg/L			SW846-8260
Bromodichloromethane	U	0.5	mg/L			SW846-8260
Toluene	U	0.5	mg/L			SW846-8260
Total Xylene	U	1	mg/L			SW846-8260
trans-1,2-Dichloroethene	U	0.5	mg/L			SW846-8260
Trichloroethene		3.5	mg/L			SW846-8260

**5904-96**

Collected: 6/26/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		41.73	ft			
Dissolved Oxygen		3.99	mg/L			
pH		5.6	Std Unit			
Specific Conductivity (PIP)		401	umho/cm			
Temperature		74	deg F			
<b>RADS</b>						
Alpha activity		5.1	pCi/L	0.7		RL-7122
Beta activity		1884	pCi/L	34		RL-7122
Technetium-99		2488	pCi/L	45		RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	1	mg/L			SW846-8260
1,1-Dichloroethane	U	1	mg/L			SW846-8260
Bromodichloromethane	U	1	mg/L			SW846-8260
Toluene	U	1	mg/L			SW846-8260
Total Xylene	U	2	mg/L			SW846-8260
Trichloroethene		10	mg/L			SW846-8260

**MW66**  
**EM-GW-96**  
**6019-96**

**Groundwater Monitoring 1996**

Collected: 7/25/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		41.87	ft			
Dissolved Oxygen		6.81	mg/L			
pH		6.81	Std Unit			
Specific Conductivity (PIP)		219	umho/cm			
Temperature		65	deg F			
<b>RADS</b>						
Alpha activity		0.3	pCi/L	0.1		RL-7122
Beta activity		344	pCi/L	13		RL-7122
Technetium-99		501	pCi/L	22		RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.5	mg/L			SW846-8260
1,1-Dichloroethane	U	0.5	mg/L			SW846-8260
Bromodichloromethane	U	0.5	mg/L			SW846-8260
Toluene	U	0.5	mg/L			SW846-8260
Total Xylene	U	1	mg/L			SW846-8260
trans-1,2-Dichloroethene	U	0.5	mg/L			SW846-8260
Trichloroethene		1.5	mg/L			SW846-8260

**6035-96**

Collected: 8/21/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		42.82	ft			
Dissolved Oxygen		7.26	mg/L			
pH		5.8	Std Unit			
Specific Conductivity (PIP)		205	umho/cm			
Temperature		67	deg F			
<b>RADS</b>						
Alpha activity		2.6	pCi/L	0.7		RL-7122
Beta activity		132	pCi/L	7		RL-7122
Technetium-99		249	pCi/L	18		RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.5	mg/L			SW846-8260
1,1-Dichloroethane	U	0.5	mg/L			SW846-8260
Bromodichloromethane	U	0.5	mg/L			SW846-8260
Toluene	U	0.5	mg/L			SW846-8260
Total Xylene	U	1	mg/L			SW846-8260
trans-1,2-Dichloroethene	U	0.5	mg/L			SW846-8260
Trichloroethene		0.56	mg/L			SW846-8260

**MW66**  
**EM-GW-96**  
**6154-96**

**Groundwater Monitoring 1996**

Collected: 9/23/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		43.93	ft			
Dissolved Oxygen		5.06	mg/L			
pH		5.9	Std Unit			
Specific Conductivity (PIP)		187	umho/cm			
Temperature		65	deg F			
<b>RADS</b>						
Alpha activity		-0.4	pCi/L	-0.2		RL-7122
Beta activity		88	pCi/L	6		RL-7122
Technetium-99		153	pCi/L	14		RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.5	mg/L			SW846-8260
1,1-Dichloroethane	U	0.5	mg/L			SW846-8260
Bromodichloromethane	U	0.5	mg/L			SW846-8260
Toluene	U	0.5	mg/L			SW846-8260
Total Xylene	U	1	mg/L			SW846-8260
trans-1,2-Dichloroethene	U	0.5	mg/L			SW846-8260
Trichloroethene		0.35	mg/L			SW846-8260

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WBP-12A

ERI98-698W22

WAG 22 Additional Sampling

WBP12W1-09

Collected: 6/22/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Conductivity		390	umho/cm			
Depth to Water		6.08	ft			
Dissolved Oxygen		6	mg/L			
pH		7.71	Std Unit			
Purge Rate during Sampling		109	ml/min			
Redox		-220	mg/L			
Temperature		23.1	deg F			
<b>PHYSC</b>						
Dissolved Oxygen	<	1	mg/L		1	SM-4500-O G 17
Dissolved Solids		1071	mg/L		25	EPA-160.2
Redox		203	mV			SM-2580-B
<b>RADS</b>						
Uranium		0.11	mg/L			IN7105
Uranium		0.11	mg/L			TIMS-3
Uranium-234		4.35	pCi/L			TIMS-4
Uranium-235		0.21	wt %			TIMS-3
Uranium-238		36.9	pCi/L			TIMS-4

WBP12W1-09F45

Collected: 6/22/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>PHYSC</b>						
Dissolved Solids		1067	mg/L		25	EPA-160.2
<b>RADS</b>						
Uranium		0.13	mg/L			TIMS-3
Uranium		0.13	mg/L			IN7105
Uranium-234		4.6	pCi/L			TIMS-3
Uranium-235		0.59	pCi/L			TIMS-3
Uranium-235		0.2	wt %			TIMS-3
Uranium-238		43.6	pCi/L			TIMS-3

WBP12W1-09F5

Collected: 6/22/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>PHYSC</b>						
Dissolved Solids		1091	mg/L		25	EPA-160.2
<b>RADS</b>						
Uranium		0.1	mg/L			TIMS-3
Uranium		0.1	mg/L			IN7105
Uranium-234		4.57	pCi/L			TIMS-3
Uranium-235		0.5	pCi/L			TIMS-3
Uranium-235		0.22	wt %			TIMS-3
Uranium-238		33.5	pCi/L			TIMS-3

**WBP-12A**

**ERI98-698W22**

**WAG 22 Additional Sampling**

**WBP12W2-09F45**

Collected: 6/22/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>PHYSC</b>						
Dissolved Solids		1050	mg/L		25	EPA-160.2
<b>RADS</b>						
Uranium		0.1	mg/L			TIMS-3
Uranium		0.11	mg/L			IN7105
Uranium-234		4.21	pCi/L			TIMS-3
Uranium-235		0.48	pCi/L			TIMS-3
Uranium-235		0.22	wt %			TIMS-3
Uranium-238		33.5	pCi/L			TIMS-3

**WBP12W2-09F5**

Collected: 6/22/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>PHYSC</b>						
Dissolved Solids		1011	mg/L		25	EPA-160.2
<b>RADS</b>						
Uranium		0.1	mg/L			TIMS-3
Uranium		0.11	mg/L			IN7105
Uranium-234		4.47	pCi/L			TIMS-3
Uranium-235		0.49	pCi/L			TIMS-3
Uranium-235		0.22	wt %			TIMS-3
Uranium-238		33.5	pCi/L			TIMS-3

**WBP12W2-09**

Collected: 6/22/1998

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Conductivity		390	umho/cm			
Depth to Water		6.08	ft			
Dissolved Oxygen		0	mg/L			
pH		7.71	Std Unit			
Purge Rate during Sampling		109	ml/min			
Redox		-220	mg/L			
Temperature		23.1	deg F			
<b>PHYSC</b>						
Dissolved Oxygen	<	1	mg/L		1	SM-4500-O G 17
Dissolved Solids		1104	mg/L		25	EPA-160.2
Redox		210	mV			SM-2580-B
<b>RADS</b>						
Uranium		0.15	mg/L			IN7105
Uranium		0.12	mg/L			TIMS-3
Uranium-234		4.68	pCi/L			TIMS-4
Uranium-235		0.21	wt %			TIMS-3
Uranium-238		40.2	pCi/L			TIMS-4

**WBP-4A**

**ERI98-698W22**

**WAG 22 Additional Sampling**

**WBP04W1-08**

Collected: 6/18/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Conductivity		790	umho/cm			
Depth to Water		8.18	ft			
Dissolved Oxygen		0.9	mg/L			
pH		8.2	Std Unit			
Purge Rate during Sampling		175	ml/min			
Redox		-144	mg/L			
Temperature		21.1	deg F			
<b>PHYSC</b>						
Dissolved Oxygen		4.3	mg/L		1	SM-4500-O G 17
Dissolved Solids		377	mg/L		25	EPA-160.2
Redox		158	mV			SM-2580-B
<b>RADS</b>						
Uranium		0.16	mg/L			TIMS-3
Uranium		0.17	mg/L			IN7105
Uranium-234		20.3	pCi/L			TIMS-4
Uranium-235		0.38	wt %			TIMS-3
Uranium-238		53.6	pCi/L			TIMS-4

**WBP-9A**

**ERI98-698W22**

**WAG 22 Additional Sampling**

**WBP09W1-11**

Collected: 6/22/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>Field P</b>						
Conductivity		217	umho/cm			
Depth to Water		6.15	ft			
Dissolved Oxygen		1.1	mg/L			
pH		8.28	Std Unit			
Purge Rate during Sampling		94	ml/min			
Redox		128	mg/L			
Temperature		22.3	deg F			
<b>PHYSC</b>						
Dissolved Oxygen		2	mg/L		1	SM-4500-O G 17
Dissolved Solids		1273	mg/L		25	EPA-160.2
Redox		200	mV			SM-2580-B
<b>RADS</b>						
Uranium		0.11	mg/L			IN7105
Uranium		0.09	mg/L			TIMS-3
Uranium-234		20.2	pCi/L			TIMS-4
Uranium-235		0.56	wt %			TIMS-3
Uranium-238		30.1	pCi/L			TIMS-4

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004-008

ERI99-W3-4

WAG 3 - SWMU 4

004008WA019

Collected: 7/24/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>RADS</b>						
Alpha activity		5270	pCi/L	45	7.3	SW846-9310
Beta activity	U	-81	pCi/L	9.5	17	SW846-9310
Technetium-99		1640	pCi/L	37	14	DNT
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.001	mg/L		0.001	SW846-8021 M
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dimethylbenzene	U	0.005	mg/L		0.005	SW846-8260
2-Butanone		0.031	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	JU	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	J	0.0005	mg/L		0.001	SW846-8021 M
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
m,p-Xylene	U	0.01	mg/L		0.01	SW846-8260
Methylene chloride	JU	0.01	mg/L		0.01	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,2-Dichloroethene	U	0.001	mg/L		0.001	SW846-8021 M
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene		0.014	mg/L		0.001	SW846-8021 M
Trichloroethene	U	0.001	mg/L		0.001	SW846-8260
Vinyl chloride	U	0.001	mg/L		0.001	SW846-8021 M



004-009

ERI99-W3-4

WAG 3 - SWMU 4

004009WA040

Collected: 7/9/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>SVOA</b>						
1,2,4-Trichlorobenzene	U	0.02	mg/L		0.02	SW846-8270 M
1,2-Dichlorobenzene	U	0.02	mg/L		0.02	SW846-8270 M
1,3-Dichlorobenzene	U	0.02	mg/L		0.02	SW846-8270 M
1,4-Dichlorobenzene	U	0.02	mg/L		0.02	SW846-8270 M
2,4,5-Trichlorophenol	U	0.02	mg/L		0.02	SW846-8270 M
2,4,6-Trichlorophenol	U	0.02	mg/L		0.02	SW846-8270 M
2,4-Dichlorophenol	U	0.02	mg/L		0.02	SW846-8270 M
2,4-Dimethylphenol	U	0.02	mg/L		0.02	SW846-8270 M
2,4-Dinitrophenol	U	0.02	mg/L		0.02	SW846-8270 M
2,4-Dinitrotoluene	U	0.02	mg/L		0.02	SW846-8270 M
2,6-Dinitrotoluene	U	0.02	mg/L		0.02	SW846-8270 M
2-Chloronaphthalene	U	0.02	mg/L		0.02	SW846-8270 M
2-Chlorophenol	U	0.02	mg/L		0.02	SW846-8270 M
2-Methyl-4,6-dinitrophenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Methylnaphthalene	U	0.02	mg/L		0.02	SW846-8270 M
2-Methylphenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Nitrobenzenamine	U	0.02	mg/L		0.02	SW846-8270 M
2-Nitrophenol	U	0.02	mg/L		0.02	SW846-8270 M
3,3'-Dichlorobenzidine	U	0.01	mg/L		0.01	SW846-8270 M
3-Nitrobenzenamine	U	0.02	mg/L		0.02	SW846-8270 M
4-Bromophenyl phenyl ether	U	0.01	mg/L		0.01	SW846-8270 M
4-Chloro-3-methylphenol	U	0.02	mg/L		0.02	SW846-8270 M
4-Chlorobenzenamine	U	0.02	mg/L		0.02	SW846-8270 M
4-Chlorophenyl phenyl ether	U	0.01	mg/L		0.01	SW846-8270 M
4-Methylphenol	U	0.01	mg/L		0.01	SW846-8270 M
4-Nitrobenzenamine	U	0.02	mg/L		0.02	SW846-8270 M
4-Nitrophenol	U	0.02	mg/L		0.02	SW846-8270 M
Acenaphthene	U	0.02	mg/L		0.02	SW846-8270 M
Acenaphthylene	U	0.02	mg/L		0.02	SW846-8270 M
Anthracene	U	0.02	mg/L		0.02	SW846-8270 M
Benz(a)anthracene	U	0.02	mg/L		0.02	SW846-8270 M
Benzo(a)pyrene	U	0.02	mg/L		0.02	SW846-8270 M
Benzo(b)fluoranthene	U	0.02	mg/L		0.02	SW846-8270 M
Benzo(ghi)perylene	U	0.01	mg/L		0.01	SW846-8270 M
Benzo(k)fluoranthene	U	0.02	mg/L		0.02	SW846-8270 M
Bis(2-chloroethoxy)methane	U	0.02	mg/L		0.02	SW846-8270 M
Bis(2-chloroethyl) ether	U	0.01	mg/L		0.01	SW846-8270 M
Bis(2-chloroisopropyl) ether	U	0.01	mg/L		0.01	SW846-8270 M
Bis(2-ethylhexyl)phthalate	U	0.02	mg/L		0.02	SW846-8270 M
Butyl benzyl phthalate	U	0.01	mg/L		0.01	SW846-8270 M
Carbazole	U	0.02	mg/L		0.02	SW846-8270 M
Chrysene	U	0.02	mg/L		0.02	SW846-8270 M
Dibenz(a,h)anthracene	U	0.02	mg/L		0.02	SW846-8270 M
Dibenzofuran	U	0.02	mg/L		0.02	SW846-8270 M
Diethyl phthalate		0.03	mg/L		0.02	SW846-8270 M
Dimethyl phthalate	U	0.02	mg/L		0.02	SW846-8270 M
Di-n-butyl phthalate	U	0.02	mg/L		0.02	SW846-8270 M
Di-n-octylphthalate	U	0.02	mg/L		0.02	SW846-8270 M
Fluoranthene	U	0.02	mg/L		0.02	SW846-8270 M

## 004-009

## ERI99-W3-4

## WAG 3 - SWMU 4

Fluorene	U	0.02	mg/L	0.02	SW846-8270 M
Hexachlorobenzene	U	0.02	mg/L	0.02	SW846-8270 M
Hexachlorobutadiene	U	0.02	mg/L	0.02	SW846-8270 M
Hexachlorocyclopentadiene	U	0.02	mg/L	0.02	SW846-8270 M
Hexachloroethane	U	0.02	mg/L	0.02	SW846-8270 M
Indeno(1,2,3-cd)pyrene	U	0.02	mg/L	0.02	SW846-8270 M
Isophorone	U	0.02	mg/L	0.02	SW846-8270 M
Naphthalene	U	0.02	mg/L	0.02	SW846-8270 M
Nitrobenzene	U	0.02	mg/L	0.02	SW846-8270 M
N-Nitroso-di-n-propylamine	U	0.02	mg/L	0.02	SW846-8270 M
N-Nitrosodiphenylamine	U	0.02	mg/L	0.02	SW846-8270 M
Pentachlorophenol	U	0.02	mg/L	0.02	SW846-8270 M
Phenanthrene	U	0.02	mg/L	0.02	SW846-8270 M
Phenol	U	0.02	mg/L	0.02	SW846-8270 M
Pyrene	U	0.02	mg/L	0.02	SW846-8270 M
<b>VOA</b>					
1,1-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
cis-1,2-Dichloroethene		11	mg/L	0.001	SW846-8021 M
trans-1,2-Dichloroethene		0.1	mg/L	0.001	SW846-8021 M
Trichloroethene		19	mg/L	0.001	SW846-8021 M
Vinyl chloride	U	0.001	mg/L	0.001	SW846-8021 M

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# Paducah-OREIS Data Report

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12/18/2007

**004-011**

**ERI99-W3-4**

**WAG 3 - SWMU 4**

**004011WA019**

Collected: 7/24/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>RADS</b>						
Alpha activity	U	-48	pCi/L	38	74	SW846-9310
Beta activity		1490	pCi/L	55	36	SW846-9310
Technetium-99		25	pCi/L	9.5	14	DNT
<b>VOA</b>						
1,1-Dichloroethene	U	0.001	mg/L		0.001	SW846-8021 M
cis-1,2-Dichloroethene	J	0.0004	mg/L		0.001	SW846-8021 M
trans-1,2-Dichloroethene	U	0.001	mg/L		0.001	SW846-8021 M
Trichloroethene	J	0.0006	mg/L		0.001	SW846-8021 M
Vinyl chloride	U	0.001	mg/L		0.001	SW846-8021 M

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Paducah-OREIS Data Report

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004-017

ERI99-W3-4

WAG 3 - SWMU 4

004017WA040

Collected: 7/15/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum		391	mg/L		0.2	SW846-6010A
Arsenic		0.052	mg/L		0.005	SW846-7060
Barium		3.42	mg/L		0.05	SW846-6010A
Beryllium		0.037	mg/L		0.005	SW846-6010A
Cadmium		0.01	mg/L		0.01	SW846-6010A
Calcium		55.7	mg/L		0.5	SW846-6010A
Chromium		0.439	mg/L		0.05	SW846-6010A
Cobalt		0.362	mg/L		0.01	SW846-6010A
Copper		0.243	mg/L		0.05	SW846-6010A
Iron	*N	705	mg/L		2	SW846-6010A
Magnesium		33.4	mg/L		0.05	SW846-6010A
Manganese		12.1	mg/L		0.05	SW846-6010A
Mercury	BW	0.0013	mg/L		0.0002	SW846-7470
Nickel		0.07	mg/L		0.05	SW846-6010A
Potassium		22.6	mg/L		2	SW846-6010A
Selenium	U	0.005	mg/L		0.005	SW846-7740
Silver	U	0.05	mg/L		0.05	SW846-6010A
Sodium		25.1	mg/L		2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Vanadium		0.862	mg/L		0.1	SW846-6010A
Zinc		1.28	mg/L		0.2	SW846-6010A
<b>PCCB</b>						
PCB-1221	U	0.118	mg/L		0.118	SW846-8082 M
PCB-1232	U	0.118	mg/L		0.118	SW846-8082 M
<b>RADS</b>						
Alpha activity		11.3	pCi/L	3.3	5	SW846-9310
Americium-241	A	4.48	pCi/L	8.96	81.2	RL-7124
Beta activity		450	pCi/L	5.9	2.2	SW846-9310
Neptunium-237	A	4.56	pCi/L	9.11	58.2	RL-7124
Plutonium-239/240	A	-0.0567	pCi/L	0.175	0.987	RL-7120
Technetium-99		720	pCi/L	18	10	DNT
Thorium-234	A	96.7	pCi/L	193	567	RL-7124
<b>SVOA</b>						
1,2,4-Trichlorobenzene	U	0.02	mg/L		0.02	SW846-8270 M
1,2-Dichlorobenzene	U	0.02	mg/L		0.02	SW846-8270 M
1,3-Dichlorobenzene	U	0.02	mg/L		0.02	SW846-8270 M
1,4-Dichlorobenzene	U	0.02	mg/L		0.02	SW846-8270 M
2,4,5-Trichlorophenol	U	0.02	mg/L		0.02	SW846-8270 M
2,4,6-Trichlorophenol	U	0.02	mg/L		0.02	SW846-8270 M
2,4-Dichlorophenol	U	0.02	mg/L		0.02	SW846-8270 M
2,4-Dimethylphenol	U	0.02	mg/L		0.02	SW846-8270 M
2,4-Dinitrophenol	U	0.02	mg/L		0.02	SW846-8270 M
2,4-Dinitrotoluene	U	0.02	mg/L		0.02	SW846-8270 M
2,6-Dinitrotoluene	U	0.02	mg/L		0.02	SW846-8270 M
2-Chloronaphthalene	U	0.02	mg/L		0.02	SW846-8270 M
2-Chlorophenol	U	0.02	mg/L		0.02	SW846-8270 M
2-Methyl-4,6-dinitrophenol	U	0.02	mg/L		0.02	SW846-8270 M
2-Methylnaphthalene	U	0.02	mg/L		0.02	SW846-8270 M
2-Methylphenol	U	0.02	mg/L		0.02	SW846-8270 M

## 004-017

## ERI99-W3-4

## WAG 3 - SWMU 4

2-Nitrobenzenamine	U	0.02	mg/L	0.02	SW846-8270 M
2-Nitrophenol	U	0.02	mg/L	0.02	SW846-8270 M
3,3'-Dichlorobenzidine	U	0.02	mg/L	0.02	SW846-8270 M
3-Nitrobenzenamine	U	0.02	mg/L	0.02	SW846-8270 M
4-Bromophenyl phenyl ether	U	0.02	mg/L	0.02	SW846-8270 M
4-Chloro-3-methylphenol	U	0.02	mg/L	0.02	SW846-8270 M
4-Chlorobenzenamine	U	0.02	mg/L	0.02	SW846-8270 M
4-Chlorophenyl phenyl ether	U	0.02	mg/L	0.02	SW846-8270 M
4-Methylphenol	U	0.02	mg/L	0.02	SW846-8270 M
4-Nitrobenzenamine	U	0.02	mg/L	0.02	SW846-8270 M
4-Nitrophenol	U	0.02	mg/L	0.02	SW846-8270 M
Acenaphthene	U	0.02	mg/L	0.02	SW846-8270 M
Acenaphthylene	U	0.02	mg/L	0.02	SW846-8270 M
Anthracene	U	0.02	mg/L	0.02	SW846-8270 M
Benz(a)anthracene	U	0.02	mg/L	0.02	SW846-8270 M
Benzo(a)pyrene	U	0.02	mg/L	0.02	SW846-8270 M
Benzo(b)fluoranthene	U	0.02	mg/L	0.02	SW846-8270 M
Benzo(ghi)perylene	U	0.02	mg/L	0.02	SW846-8270 M
Benzo(k)fluoranthene	U	0.02	mg/L	0.02	SW846-8270 M
Bis(2-chloroethoxy)methane	U	0.02	mg/L	0.02	SW846-8270 M
Bis(2-chloroethyl) ether	U	0.02	mg/L	0.02	SW846-8270 M
Bis(2-chloroisopropyl) ether	U	0.02	mg/L	0.02	SW846-8270 M
Bis(2-ethylhexyl)phthalate	J	0.012	mg/L	0.02	SW846-8270 M
Butyl benzyl phthalate	U	0.02	mg/L	0.02	SW846-8270 M
Carbazole	U	0.02	mg/L	0.02	SW846-8270 M
Chrysene	U	0.02	mg/L	0.02	SW846-8270 M
Dibenz(a,h)anthracene	U	0.02	mg/L	0.02	SW846-8270 M
Dibenzofuran	U	0.02	mg/L	0.02	SW846-8270 M
Diethyl phthalate	U	0.02	mg/L	0.02	SW846-8270 M
Dimethyl phthalate	U	0.02	mg/L	0.02	SW846-8270 M
Di-n-butyl phthalate	U	0.02	mg/L	0.02	SW846-8270 M
Di-n-octylphthalate	U	0.02	mg/L	0.02	SW846-8270 M
Fluoranthene	U	0.02	mg/L	0.02	SW846-8270 M
Fluorene	U	0.02	mg/L	0.02	SW846-8270 M
Hexachlorobenzene	U	0.02	mg/L	0.02	SW846-8270 M
Hexachlorobutadiene	U	0.02	mg/L	0.02	SW846-8270 M
Hexachlorocyclopentadiene	U	0.02	mg/L	0.02	SW846-8270 M
Hexachloroethane	U	0.02	mg/L	0.02	SW846-8270 M
Indeno(1,2,3-cd)pyrene	U	0.02	mg/L	0.02	SW846-8270 M
Isophorone	U	0.02	mg/L	0.02	SW846-8270 M
Naphthalene	U	0.02	mg/L	0.02	SW846-8270 M
Nitrobenzene	U	0.02	mg/L	0.02	SW846-8270 M
N-Nitroso-di-n-propylamine	U	0.02	mg/L	0.02	SW846-8270 M
N-Nitrosodiphenylamine	U	0.02	mg/L	0.02	SW846-8270 M
Pentachlorophenol	U	0.02	mg/L	0.02	SW846-8270 M
Phenanthrene	U	0.02	mg/L	0.02	SW846-8270 M
Phenol	U	0.02	mg/L	0.02	SW846-8270 M
Pyrene	U	0.02	mg/L	0.02	SW846-8270 M

## VOA

1,1-Dichloroethene	J	0.0007	mg/L	0.001	SW846-8021 M
cis-1,2-Dichloroethene		0.015	mg/L	0.001	SW846-8021 M
trans-1,2-Dichloroethene	J	0.0004	mg/L	0.001	SW846-8021 M
Trichloroethene		0.26	mg/L	0.001	SW846-8021 M
Vinyl chloride	U	0.001	mg/L	0.001	SW846-8021 M

## WETCHEM

# Paducah-OREIS Data Report

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12/18/2007

**004-017**

**ERI99-W3-4**

**WAG 3 - SWMU 4**

Cyanide

U

0.02 mg/L

0.02 SW846-9014

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004-019

ERI99-W3-4

WAG 3 - SWMU 4

004019WA040

Collected: 7/10/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum		52	mg/L		0.2	SW846-6010A
Barium		0.33	mg/L		0.05	SW846-6010A
Beryllium	B	0.005	mg/L		0.005	SW846-6010A
Cadmium	U	0.01	mg/L		0.01	SW846-6010A
Calcium		33.5	mg/L		0.5	SW846-6010A
Chromium		0.165	mg/L		0.05	SW846-6010A
Cobalt		0.045	mg/L		0.01	SW846-6010A
Copper		0.103	mg/L		0.05	SW846-6010A
Iron		102	mg/L		0.2	SW846-6010A
Magnesium		8.47	mg/L		0.05	SW846-6010A
Manganese		1.23	mg/L		0.05	SW846-6010A
Mercury	BUW	0.0002	mg/L		0.0002	SW846-7470
Nickel		0.065	mg/L		0.05	SW846-6010A
Potassium		7.56	mg/L		2	SW846-6010A
Selenium	U	0.005	mg/L		0.005	SW846-7740
Silver	U	0.05	mg/L		0.05	SW846-6010A
Sodium		33.2	mg/L		2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Vanadium		0.143	mg/L		0.1	SW846-6010A
Zinc		0.208	mg/L		0.2	SW846-6010A
<b>SVOA</b>						
1,2,4-Trichlorobenzene	U	0.02	mg/L		0.02	SW846-8270 M
1,2-Dichlorobenzene	U	0.02	mg/L		0.02	SW846-8270 M
1,3-Dichlorobenzene	U	0.02	mg/L		0.02	SW846-8270 M
1,4-Dichlorobenzene	U	0.02	mg/L		0.02	SW846-8270 M
2,4,5-Trichlorophenol	U	0.02	mg/L		0.02	SW846-8270 M
2,4,6-Trichlorophenol	U	0.02	mg/L		0.02	SW846-8270 M
2,4-Dichlorophenol	U	0.02	mg/L		0.02	SW846-8270 M
2,4-Dimethylphenol	U	0.02	mg/L		0.02	SW846-8270 M
2,4-Dinitrophenol	U	0.02	mg/L		0.02	SW846-8270 M
2,4-Dinitrotoluene	U	0.02	mg/L		0.02	SW846-8270 M
2,6-Dinitrotoluene	U	0.02	mg/L		0.02	SW846-8270 M
2-Chloronaphthalene	U	0.02	mg/L		0.02	SW846-8270 M
2-Chlorophenol	U	0.02	mg/L		0.02	SW846-8270 M
2-Methyl-4,6-dinitrophenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Methyl-4,6-dinitrophenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Methylnaphthalene	U	0.02	mg/L		0.02	SW846-8270 M
2-Methylphenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Methylphenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Nitrobenzenamine	U	0.02	mg/L		0.02	SW846-8270 M
2-Nitrophenol	U	0.02	mg/L		0.02	SW846-8270 M
3,3'-Dichlorobenzidine	U	0.01	mg/L		0.01	SW846-8270 M
3,3'-Dichlorobenzidine	U	0.01	mg/L		0.01	SW846-8270 M
3-Nitrobenzenamine	U	0.02	mg/L		0.02	SW846-8270 M
4-Bromophenyl phenyl ether	U	0.01	mg/L		0.01	SW846-8270 M
4-Bromophenyl phenyl ether	U	0.01	mg/L		0.01	SW846-8270 M
4-Chloro-3-methylphenol	U	0.02	mg/L		0.02	SW846-8270 M
4-Chlorobenzenamine	U	0.02	mg/L		0.02	SW846-8270 M
4-Chlorophenyl phenyl ether	U	0.01	mg/L		0.01	SW846-8270 M

## 004-019

## ERI99-W3-4

## WAG 3 - SWMU 4

4-Chlorophenyl phenyl ether	U	0.01	mg/L	0.01	SW846-8270 M
4-Methylphenol	U	0.01	mg/L	0.01	SW846-8270 M
4-Methylphenol	U	0.01	mg/L	0.01	SW846-8270 M
4-Nitrobenzenamine	U	0.02	mg/L	0.02	SW846-8270 M
4-Nitrophenol	U	0.02	mg/L	0.02	SW846-8270 M
Acenaphthene	U	0.02	mg/L	0.02	SW846-8270 M
Acenaphthylene	U	0.02	mg/L	0.02	SW846-8270 M
Anthracene	U	0.02	mg/L	0.02	SW846-8270 M
Benz(a)anthracene	U	0.02	mg/L	0.02	SW846-8270 M
Benzo(a)pyrene	U	0.02	mg/L	0.02	SW846-8270 M
Benzo(b)fluoranthene	U	0.02	mg/L	0.02	SW846-8270 M
Benzo(ghi)perylene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(ghi)perylene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(k)fluoranthene	U	0.02	mg/L	0.02	SW846-8270 M
Bis(2-chloroethoxy)methane	U	0.02	mg/L	0.02	SW846-8270 M
Bis(2-chloroethyl) ether	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroethyl) ether	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroisopropyl) ether	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroisopropyl) ether	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-ethylhexyl)phthalate	U	0.02	mg/L	0.02	SW846-8270 M
Butyl benzyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Carbazole	U	0.02	mg/L	0.02	SW846-8270 M
Chrysene	U	0.02	mg/L	0.02	SW846-8270 M
Dibenz(a,h)anthracene	U	0.02	mg/L	0.02	SW846-8270 M
Dibenzofuran	U	0.02	mg/L	0.02	SW846-8270 M
Diethyl phthalate	U	0.02	mg/L	0.02	SW846-8270 M
Dimethyl phthalate	U	0.02	mg/L	0.02	SW846-8270 M
Di-n-butyl phthalate	U	0.02	mg/L	0.02	SW846-8270 M
Di-n-octylphthalate	U	0.02	mg/L	0.02	SW846-8270 M
Fluoranthene	U	0.02	mg/L	0.02	SW846-8270 M
Fluorene	U	0.02	mg/L	0.02	SW846-8270 M
Hexachlorobenzene	U	0.02	mg/L	0.02	SW846-8270 M
Hexachlorobutadiene	U	0.02	mg/L	0.02	SW846-8270 M
Hexachlorocyclopentadiene	U	0.02	mg/L	0.02	SW846-8270 M
Hexachloroethane	U	0.02	mg/L	0.02	SW846-8270 M
Indeno(1,2,3-cd)pyrene	U	0.02	mg/L	0.02	SW846-8270 M
Isophorone	U	0.02	mg/L	0.02	SW846-8270 M
Naphthalene	U	0.02	mg/L	0.02	SW846-8270 M
Nitrobenzene	U	0.02	mg/L	0.02	SW846-8270 M
N-Nitroso-di-n-propylamine	U	0.02	mg/L	0.02	SW846-8270 M
N-Nitrosodiphenylamine	U	0.02	mg/L	0.02	SW846-8270 M
Pentachlorophenol	U	0.02	mg/L	0.02	SW846-8270 M
Phenanthrene	U	0.02	mg/L	0.02	SW846-8270 M
Phenol	U	0.02	mg/L	0.02	SW846-8270 M
Pyrene	U	0.02	mg/L	0.02	SW846-8270 M
<b>VOA</b>					
1,1-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
cis-1,2-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
trans-1,2-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
Trichloroethene		0.016	mg/L	0.001	SW846-8021 M
Vinyl chloride	U	0.001	mg/L	0.001	SW846-8021 M



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**004-020**

**ERI99-W3-4**

**WAG 3 - SWMU 4**

**004020WA085**

Collected: 9/11/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		41.3	mg/L		2	SW846-9056
Fluoride		0.15	mg/L		0.1	EPA-340.2
Nitrate	J	38.4	mg/L		4	SW846-9056
Nitrate as Nitrogen	J	8.7	mg/L		1	SW846-9056
Orthophosphate	JU	6	mg/L		6	SW846-9056
Sulfate		7.8	mg/L		5	SW846-9056
<b>METAL</b>						
Aluminum	N	944	mg/L		2	SW846-6010A
Arsenic	NW	0.009	mg/L		0.005	SW846-7060
Barium		3.84	mg/L		0.05	SW846-6010A
Beryllium		0.103	mg/L		0.005	SW846-6010A
Cadmium		0.022	mg/L		0.01	SW846-6010A
Calcium	N	90.4	mg/L		0.5	SW846-6010A
Chromium		1.55	mg/L		0.05	SW846-6010A
Cobalt		0.516	mg/L		0.01	SW846-6010A
Copper		0.942	mg/L		0.05	SW846-6010A
Iron	*N	1810	mg/L		2	SW846-6010A
Lead		0.757	mg/L		0.2	SW846-6010A
Magnesium		70.8	mg/L		0.05	SW846-6010A
Manganese	N	12.2	mg/L		0.05	SW846-6010A
Mercury		0.0015	mg/L		0.0002	SW846-7470
Nickel	N	0.5	mg/L		0.5	SW846-6010A
Potassium		44.4	mg/L		2	SW846-6010A
Selenium	*NW	0.011	mg/L		0.005	SW846-7740
Silver	BNU	0.05	mg/L		0.05	SW846-6010A
Sodium	N	16	mg/L		2	SW846-6010A
Thallium	NU	0.2	mg/L		0.2	SW846-6010A
Vanadium		1.49	mg/L		0.1	SW846-6010A
Zinc		3.45	mg/L		0.2	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		245	mg/L		100	EPA-160.2
pH		6.02	none			SW846-9040
Redox		156	mV			SM-2580-B
<b>PCCB</b>						
PCB-1221	U	0.1	mg/L		0.1	SW846-8082 M
PCB-1232	U	0.1	mg/L		0.1	SW846-8082 M
<b>RADS</b>						
Alpha activity		27.71	pCi/L	5.24	5.68	EPA-900.0
Alpha activity		9.7	pCi/L	3.6	5.4	SW846-9310
Americium-241	AX	-6.73	pCi/L	13.5	86.6	RL-7124
Beta activity		318.33	pCi/L	15.31	7.7	EPA-900.0
Beta activity		224	pCi/L	5.9	2.7	SW846-9310
Neptunium-237	A	-4.54	pCi/L	9.07	53.3	RL-7124
Plutonium-239/240	A	-0.0194	pCi/L	0.223	1.23	RL-7120
Technetium-99		375	pCi/L	18	15	DNT
Technetium-99	X	325	pCi/L	19.6	16.5	RL-7100
Thorium-234	A	72	pCi/L	144	545	RL-7124
<b>SVOA</b>						
1,2,4-Trichlorobenzene	U	0.02	mg/L		0.02	SW846-8270 M

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## ERI99-W3-4

## WAG 3 - SWMU 4

1,2-Dichlorobenzene	U	0.02	mg/L	0.02	SW846-8270 M
1,3-Dichlorobenzene	U	0.02	mg/L	0.02	SW846-8270 M
1,4-Dichlorobenzene	U	0.02	mg/L	0.02	SW846-8270 M
2,4,5-Trichlorophenol	U	0.02	mg/L	0.02	SW846-8270 M
2,4,6-Trichlorophenol	U	0.02	mg/L	0.02	SW846-8270 M
2,4-Dichlorophenol	U	0.02	mg/L	0.02	SW846-8270 M
2,4-Dimethylphenol	U	0.02	mg/L	0.02	SW846-8270 M
2,4-Dinitrotoluene	U	0.02	mg/L	0.02	SW846-8270 M
2,6-Dinitrotoluene	U	0.02	mg/L	0.02	SW846-8270 M
2-Chloronaphthalene	U	0.02	mg/L	0.02	SW846-8270 M
2-Chlorophenol	U	0.02	mg/L	0.02	SW846-8270 M
2-Methyl-4,6-dinitrophenol	U	0.02	mg/L	0.02	SW846-8270 M
2-Methylnaphthalene	U	0.02	mg/L	0.02	SW846-8270 M
2-Methylphenol	U	0.02	mg/L	0.02	SW846-8270 M
2-Nitrobenzenamine	U	0.02	mg/L	0.02	SW846-8270 M
2-Nitrophenol	U	0.02	mg/L	0.02	SW846-8270 M
3,3'-Dichlorobenzidine	U	0.02	mg/L	0.02	SW846-8270 M
3-Nitrobenzenamine	U	0.02	mg/L	0.02	SW846-8270 M
4-Bromophenyl phenyl ether	U	0.02	mg/L	0.02	SW846-8270 M
4-Chloro-3-methylphenol	U	0.02	mg/L	0.02	SW846-8270 M
4-Chlorobenzenamine	U	0.02	mg/L	0.02	SW846-8270 M
4-Chlorophenyl phenyl ether	U	0.02	mg/L	0.02	SW846-8270 M
4-Methylphenol	U	0.02	mg/L	0.02	SW846-8270 M
4-Nitrobenzenamine	U	0.02	mg/L	0.02	SW846-8270 M
4-Nitrophenol	U	0.02	mg/L	0.02	SW846-8270 M
Acenaphthene	U	0.02	mg/L	0.02	SW846-8270 M
Acenaphthylene	U	0.02	mg/L	0.02	SW846-8270 M
Anthracene	U	0.02	mg/L	0.02	SW846-8270 M
Benz(a)anthracene	U	0.02	mg/L	0.02	SW846-8270 M
Benzo(a)pyrene	U	0.02	mg/L	0.02	SW846-8270 M
Benzo(b)fluoranthene	U	0.02	mg/L	0.02	SW846-8270 M
Benzo(ghi)perylene	U	0.02	mg/L	0.02	SW846-8270 M
Benzo(k)fluoranthene	U	0.02	mg/L	0.02	SW846-8270 M
Bis(2-chloroethoxy)methane	U	0.02	mg/L	0.02	SW846-8270 M
Bis(2-chloroethyl) ether	U	0.02	mg/L	0.02	SW846-8270 M
Bis(2-chloroisopropyl) ether	U	0.02	mg/L	0.02	SW846-8270 M
Bis(2-ethylhexyl)phthalate	U	0.02	mg/L	0.02	SW846-8270 M
Bis(2-ethylhexyl)phthalate	J	0.007	mg/L	0.005	SW846-8270
Butyl benzyl phthalate	JU	0.005	mg/L	0.005	SW846-8270
Carbazole	U	0.02	mg/L	0.02	SW846-8270 M
Chrysene	U	0.02	mg/L	0.02	SW846-8270 M
Dibenz(a,h)anthracene	U	0.02	mg/L	0.02	SW846-8270 M
Dibenzofuran	U	0.02	mg/L	0.02	SW846-8270 M
Diethyl phthalate	U	0.02	mg/L	0.02	SW846-8270 M
Dimethyl phthalate	U	0.02	mg/L	0.02	SW846-8270 M
Di-n-butyl phthalate	U	0.02	mg/L	0.02	SW846-8270 M
Di-n-octylphthalate	U	0.02	mg/L	0.02	SW846-8270 M
Fluoranthene	U	0.02	mg/L	0.02	SW846-8270 M
Fluorene	U	0.02	mg/L	0.02	SW846-8270 M
Hexachlorobenzene	U	0.02	mg/L	0.02	SW846-8270 M
Hexachlorobutadiene	U	0.02	mg/L	0.02	SW846-8270 M
Hexachlorocyclopentadiene	U	0.02	mg/L	0.02	SW846-8270 M
Hexachloroethane	U	0.02	mg/L	0.02	SW846-8270 M
Indeno(1,2,3-cd)pyrene	U	0.02	mg/L	0.02	SW846-8270 M
Isophorone	U	0.02	mg/L	0.02	SW846-8270 M

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ERI99-W3-4

WAG 3 - SWMU 4

Naphthalene	U	0.02	mg/L	0.02	SW846-8270 M
Nitrobenzene	U	0.02	mg/L	0.02	SW846-8270 M
N-Nitroso-di-n-propylamine	U	0.02	mg/L	0.02	SW846-8270 M
N-Nitrosodiphenylamine	U	0.02	mg/L	0.02	SW846-8270 M
Pentachlorophenol	U	0.02	mg/L	0.02	SW846-8270 M
Pentachlorophenol	JU	0.005	mg/L	0.005	SW846-8270
Phenanthrene	U	0.02	mg/L	0.02	SW846-8270 M
Phenol	U	0.02	mg/L	0.02	SW846-8270 M
Pyrene	U	0.02	mg/L	0.02	SW846-8270 M
<b>VOA</b>					
1,1-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
cis-1,2-Dichloroethene		0.029	mg/L	0.001	SW846-8021 M
trans-1,2-Dichloroethene	J	0.0004	mg/L	0.001	SW846-8021 M
Trichloroethene		1.7	mg/L	0.001	SW846-8021 M
Vinyl chloride	U	0.001	mg/L	0.001	SW846-8021 M
<b>WETCHEM</b>					
Alkalinity		60	mg/L	10	EPA-310.1
Ammonia		0.25	mg/L	0.2	EPA-350.2
Bicarbonate as CaCO3		47	mg/L	10	SM-2320 B 17
Carbonate as CaCO3	U	10	mg/L	10	SM-2320 B 17
Chemical Oxygen Demand (COD)	JUX	25	mg/L	25	EPA-410.4 1978
Cyanide	U	0.02	mg/L	0.02	SW846-9014
Phosphate as Phosphorous	JU	2	mg/L	2	SW846-9056
Silica	J	26	mg/L	1	EPA-370.1
Suspended Solids		0.0263	mg/L	0.01	EPA-160.1
Total Organic Carbon (TOC)	X	5.8	mg/L	1	SW846-9060
Turbidity		22000	NTU	0.5	EPA-180.1 1978

004020WA085-45

Collected: 9/11/1999

Media Type: WG

Sample Type: REG

Analysis	Qualifiers*	Results	Units	Counting Error (+/-)	Detect Limit	Method
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium		0.09	mg/L		0.05	SW846-6010A
Beryllium	BU	0.005	mg/L		0.005	SW846-6010A
Cadmium	BU	0.01	mg/L		0.01	SW846-6010A
Calcium	N	24.1	mg/L		0.5	SW846-6010A
Chromium	BU	0.05	mg/L		0.05	SW846-6010A
Cobalt		0.058	mg/L		0.01	SW846-6010A
Copper	U	0.05	mg/L		0.05	SW846-6010A
Iron		0.694	mg/L		0.2	SW846-6010A
Magnesium		9.76	mg/L		0.05	SW846-6010A
Manganese		1.17	mg/L		0.05	SW846-6010A
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Potassium	U	2	mg/L		2	SW846-6010A
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Sodium	J	22	mg/L		2	SW846-6010A
Vanadium	U	0.1	mg/L		0.1	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A

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**004-020**

**ERI99-W3-4**

**WAG 3 - SWMU 4**

**004020WA085-5**

Collected: 9/11/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum		0.316	mg/L		0.2	SW846-6010A
Arsenic	W	0.005	mg/L		0.005	SW846-7060
Barium		0.088	mg/L		0.05	SW846-6010A
Beryllium	BU	0.005	mg/L		0.005	SW846-6010A
Cadmium	BU	0.01	mg/L		0.01	SW846-6010A
Calcium	N	23.8	mg/L		0.5	SW846-6010A
Chromium	BU	0.05	mg/L		0.05	SW846-6010A
Cobalt		0.054	mg/L		0.01	SW846-6010A
Copper	BU	0.05	mg/L		0.05	SW846-6010A
Iron	B	0.973	mg/L		0.2	SW846-6010A
Magnesium		9.57	mg/L		0.05	SW846-6010A
Manganese		1.14	mg/L		0.05	SW846-6010A
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Potassium	U	2	mg/L		2	SW846-6010A
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Sodium		23.4	mg/L		2	SW846-6010A
Vanadium	U	0.1	mg/L		0.1	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A

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**004-021**

**ERI99-W3-4**

**WAG 3 - SWMU 4**

**004021WA085**

Collected: 9/21/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		27.5	mg/L		2	SW846-9056
Fluoride		0.17	mg/L		0.1	EPA-340.2
Nitrate	U	4	mg/L		4	SW846-9056
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Orthophosphate	U	6	mg/L		6	SW846-9056
Sulfate		10.2	mg/L		5	SW846-9056
<b>METAL</b>						
Aluminum	*N	50.6	mg/L		0.2	SW846-6010A
Arsenic	W	0.254	mg/L		0.005	SW846-7060
Barium		0.221	mg/L		0.05	SW846-6010A
Beryllium	BU	0.005	mg/L		0.005	SW846-6010A
Cadmium	B	0.012	mg/L		0.01	SW846-6010A
Calcium		12.1	mg/L		0.5	SW846-6010A
Chromium		0.575	mg/L		0.05	SW846-6010A
Cobalt	B	0.036	mg/L		0.01	SW846-6010A
Copper		0.131	mg/L		0.05	SW846-6010A
Iron	*N	128	mg/L		0.2	SW846-6010A
Magnesium		6.01	mg/L		0.05	SW846-6010A
Manganese		0.923	mg/L		0.05	SW846-6010A
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470
Nickel		0.125	mg/L		0.05	SW846-6010A
Potassium		5.71	mg/L		2	SW846-6010A
Silver	BU	0.05	mg/L		0.05	SW846-6010A
Sodium		58.7	mg/L		2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Vanadium	U	0.1	mg/L		0.1	SW846-6010A
Zinc		2.19	mg/L		0.2	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		255	mg/L		100	EPA-160.2
pH		6.49	none			SW846-9040
Redox		183	mV			SM-2580-B
<b>PCCB</b>						
PCB-1221	U	0.1	mg/L		0.1	SW846-8082 M
PCB-1232	U	0.1	mg/L		0.1	SW846-8082 M
<b>RADS</b>						
Alpha activity	A	1.6	pCi/L	2.7	4.6	SW846-9310
Beta activity	A	3.6	pCi/L	3	4.9	SW846-9310
Technetium-99	A	7	pCi/L	8.3	14	DNT
<b>SVOA</b>						
1,2,4-Trichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,2-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,3-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,4-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
2,4,5-Trichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4,6-Trichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dimethylphenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dinitrophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dinitrotoluene	U	0.01	mg/L		0.01	SW846-8270 M

## 004-021

## ERI99-W3-4

## WAG 3 - SWMU 4

2,6-Dinitrotoluene	U	0.01	mg/L	0.01	SW846-8270 M
2-Chloronaphthalene	U	0.01	mg/L	0.01	SW846-8270 M
2-Chlorophenol	U	0.01	mg/L	0.01	SW846-8270 M
2-Methyl-4,6-dinitrophenol	U	0.01	mg/L	0.01	SW846-8270 M
2-Methylnaphthalene	U	0.01	mg/L	0.01	SW846-8270 M
2-Methylphenol	U	0.01	mg/L	0.01	SW846-8270 M
2-Nitrobenzenamine	U	0.01	mg/L	0.01	SW846-8270 M
2-Nitrophenol	U	0.01	mg/L	0.01	SW846-8270 M
3,3'-Dichlorobenzidine	U	0.01	mg/L	0.01	SW846-8270 M
3-Nitrobenzenamine	U	0.01	mg/L	0.01	SW846-8270 M
4-Bromophenyl phenyl ether	U	0.01	mg/L	0.01	SW846-8270 M
4-Chloro-3-methylphenol	U	0.01	mg/L	0.01	SW846-8270 M
4-Chlorobenzenamine	U	0.01	mg/L	0.01	SW846-8270 M
4-Chlorophenyl phenyl ether	U	0.01	mg/L	0.01	SW846-8270 M
4-Methylphenol	U	0.01	mg/L	0.01	SW846-8270 M
4-Nitrobenzenamine	U	0.01	mg/L	0.01	SW846-8270 M
4-Nitrophenol	U	0.01	mg/L	0.01	SW846-8270 M
Acenaphthene	U	0.01	mg/L	0.01	SW846-8270 M
Acenaphthylene	U	0.01	mg/L	0.01	SW846-8270 M
Anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Benz(a)anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(a)pyrene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(b)fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(ghi)perylene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(k)fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroethoxy)methane	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroethyl) ether	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroisopropyl) ether	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-ethylhexyl)phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Butyl benzyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Carbazole	U	0.01	mg/L	0.01	SW846-8270 M
Chrysene	U	0.01	mg/L	0.01	SW846-8270 M
Dibenz(a,h)anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Dibenzofuran	U	0.01	mg/L	0.01	SW846-8270 M
Diethyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Dimethyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Di-n-butyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Di-n-octylphthalate	U	0.01	mg/L	0.01	SW846-8270 M
Fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Fluorene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorobenzene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorobutadiene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorocyclopentadiene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachloroethane	U	0.01	mg/L	0.01	SW846-8270 M
Indeno(1,2,3-cd)pyrene	U	0.01	mg/L	0.01	SW846-8270 M
Isophorone	U	0.01	mg/L	0.01	SW846-8270 M
Naphthalene	U	0.01	mg/L	0.01	SW846-8270 M
Nitrobenzene	U	0.01	mg/L	0.01	SW846-8270 M
N-Nitroso-di-n-propylamine	U	0.01	mg/L	0.01	SW846-8270 M
N-Nitrosodiphenylamine	U	0.01	mg/L	0.01	SW846-8270 M
Pentachlorophenol	U	0.01	mg/L	0.01	SW846-8270 M
Phenanthrene	U	0.01	mg/L	0.01	SW846-8270 M
Phenol	U	0.01	mg/L	0.01	SW846-8270 M
Pyrene	U	0.01	mg/L	0.01	SW846-8270 M

## VOA

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004-021

ERI99-W3-4

WAG 3 - SWMU 4

1,1-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
cis-1,2-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
trans-1,2-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
Trichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
Vinyl chloride	U	0.001	mg/L	0.001	SW846-8021 M

WETCHEM

Alkalinity		126	mg/L	10	EPA-310.1
Ammonia	U	0.2	mg/L	0.2	EPA-350.2
Bicarbonate as CaCO3		112	mg/L	10	SM-2320 B 17
Carbonate as CaCO3	U	10	mg/L	10	SM-2320 B 17
Chemical Oxygen Demand (COD)	J	28	mg/L	25	EPA-410.4 1978
Cyanide	U	0.02	mg/L	0.02	SW846-9014
Phosphate as Phosphorous	U	2	mg/L	2	SW846-9056
Silica	J	32	mg/L	1	EPA-370.1
Sulfide		3	mg/L	2	EPA-376.1
Suspended Solids		1919	mg/L	10	EPA-160.1
Total Organic Carbon (TOC)	X	11	mg/L	1	SW846-9060

004021WA085-45

Collected: 9/21/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum		0.97	mg/L		0.2	SW846-6010A
Arsenic	W	0.311	mg/L		0.005	SW846-7060
Barium		0.059	mg/L		0.05	SW846-6010A
Cadmium		0.012	mg/L		0.01	SW846-6010A
Calcium	N	12.5	mg/L		0.5	SW846-6010A
Chromium	U	0.05	mg/L		0.05	SW846-6010A
Cobalt		0.015	mg/L		0.01	SW846-6010A
Copper		0.089	mg/L		0.05	SW846-6010A
Iron		11.5	mg/L		0.2	SW846-6010A
Magnesium		4.11	mg/L		0.05	SW846-6010A
Manganese	N	0.737	mg/L		0.05	SW846-6010A
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Potassium		2.32	mg/L		2	SW846-6010A
Sodium		63.1	mg/L		2	SW846-6010A
Zinc		1.63	mg/L		0.2	SW846-6010A

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**004-021**

**ERI99-W3-4**

**WAG 3 - SWMU 4**

**004021WA085-5**

Collected: 9/21/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum		1.03	mg/L		0.2	SW846-6010A
Arsenic		0.282	mg/L		0.005	SW846-7060
Barium	BU	0.05	mg/L		0.05	SW846-6010A
Cadmium		0.011	mg/L		0.01	SW846-6010A
Calcium	N	8.87	mg/L		0.5	SW846-6010A
Chromium	U	0.05	mg/L		0.05	SW846-6010A
Cobalt	U	0.01	mg/L		0.01	SW846-6010A
Copper	U	0.05	mg/L		0.05	SW846-6010A
Iron	N	1.84	mg/L		0.2	SW846-6010A
Magnesium		3.05	mg/L		0.05	SW846-6010A
Manganese		0.402	mg/L		0.05	SW846-6010A
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Potassium		2.26	mg/L		2	SW846-6010A
Sodium	N	66	mg/L		2	SW846-6010A
Zinc		0.32	mg/L		0.2	SW846-6010A



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**004-023**

**ERI99-W3-4**

**WAG 3 - SWMU 4**

**004023WA085**

Collected: 9/22/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	*N	773	mg/L		2	SW846-6010A
Arsenic	W	0.132	mg/L		0.005	SW846-7060
Barium		6.81	mg/L		0.05	SW846-6010A
Beryllium		0.115	mg/L		0.005	SW846-6010A
Cadmium	B	0.031	mg/L		0.01	SW846-6010A
Calcium		101	mg/L		0.5	SW846-6010A
Chromium		2.78	mg/L		0.5	SW846-6010A
Cobalt		1.07	mg/L		0.01	SW846-6010A
Copper	N	1.05	mg/L		0.5	SW846-6010A
Iron	*JN	2540	mg/L		2	SW846-6010A
Lead		1	mg/L		0.2	SW846-6010A
Magnesium		64.4	mg/L		0.05	SW846-6010A
Manganese	N	34.9	mg/L		0.5	SW846-6010A
Mercury	B	0.0015	mg/L		0.0002	SW846-7470
Nickel	*NU	0.5	mg/L		0.5	SW846-6010A
Potassium		47.6	mg/L		2	SW846-6010A
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Silver	BU	0.5	mg/L		0.5	SW846-6010A
Sodium		33.9	mg/L		2	SW846-6010A
Vanadium		1.95	mg/L		0.1	SW846-6010A
Zinc	*N	8.2	mg/L		2	SW846-6010A
<b>PPCB</b>						
PCB-1221	U	0.2	mg/L		0.2	SW846-8082 M
PCB-1232	U	0.2	mg/L		0.2	SW846-8082 M
<b>RADS</b>						
Alpha activity		2.8	pCi/L	1.5	2.1	SW846-9310
Beta activity		5.4	pCi/L	2.1	3.2	SW846-9310
Technetium-99		16.3	pCi/L	8.7	14	DNT
<b>SVOA</b>						
1,2,4-Trichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,2-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,3-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,4-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
2,4,5-Trichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4,6-Trichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dimethylphenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dinitrophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dinitrotoluene	U	0.01	mg/L		0.01	SW846-8270 M
2,6-Dinitrotoluene	U	0.01	mg/L		0.01	SW846-8270 M
2-Chloronaphthalene	U	0.01	mg/L		0.01	SW846-8270 M
2-Chlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Methyl-4,6-dinitrophenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Methylnaphthalene	U	0.01	mg/L		0.01	SW846-8270 M
2-Methylphenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Nitrobenzenamine	U	0.01	mg/L		0.01	SW846-8270 M
2-Nitrophenol	U	0.01	mg/L		0.01	SW846-8270 M
3,3'-Dichlorobenzidine	U	0.01	mg/L		0.01	SW846-8270 M
3-Nitrobenzenamine	U	0.01	mg/L		0.01	SW846-8270 M

## 004-023

## ERI99-W3-4

## WAG 3 - SWMU 4

4-Bromophenyl phenyl ether	U	0.01	mg/L	0.01	SW846-8270 M
4-Chloro-3-methylphenol	U	0.01	mg/L	0.01	SW846-8270 M
4-Chlorobenzeneamine	U	0.01	mg/L	0.01	SW846-8270 M
4-Chlorophenyl phenyl ether	U	0.01	mg/L	0.01	SW846-8270 M
4-Methylphenol	U	0.01	mg/L	0.01	SW846-8270 M
4-Nitrobenzeneamine	U	0.01	mg/L	0.01	SW846-8270 M
4-Nitrophenol	U	0.01	mg/L	0.01	SW846-8270 M
Acenaphthene	U	0.01	mg/L	0.01	SW846-8270 M
Acenaphthylene	U	0.01	mg/L	0.01	SW846-8270 M
Anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Benz(a)anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(a)pyrene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(b)fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(ghi)perylene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(k)fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroethoxy)methane	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroethyl) ether	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroisopropyl) ether	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-ethylhexyl)phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Butyl benzyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Carbazole	U	0.01	mg/L	0.01	SW846-8270 M
Chrysene	U	0.01	mg/L	0.01	SW846-8270 M
Dibenz(a,h)anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Dibenzofuran	U	0.01	mg/L	0.01	SW846-8270 M
Diethyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Dimethyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Di-n-butyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Di-n-octylphthalate	U	0.01	mg/L	0.01	SW846-8270 M
Fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Fluorene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorobenzene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorobutadiene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorocyclopentadiene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachloroethane	U	0.01	mg/L	0.01	SW846-8270 M
Indeno(1,2,3-cd)pyrene	U	0.01	mg/L	0.01	SW846-8270 M
Isophorone	U	0.01	mg/L	0.01	SW846-8270 M
Naphthalene	U	0.01	mg/L	0.01	SW846-8270 M
Nitrobenzene	U	0.01	mg/L	0.01	SW846-8270 M
N-Nitroso-di-n-propylamine	U	0.01	mg/L	0.01	SW846-8270 M
N-Nitrosodiphenylamine	U	0.01	mg/L	0.01	SW846-8270 M
Pentachlorophenol	U	0.01	mg/L	0.01	SW846-8270 M
Phenanthrene	U	0.01	mg/L	0.01	SW846-8270 M
Phenol	U	0.01	mg/L	0.01	SW846-8270 M
Pyrene	U	0.01	mg/L	0.01	SW846-8270 M
<b>VOA</b>					
1,1-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
cis-1,2-Dichloroethene		0.003	mg/L	0.001	SW846-8021 M
trans-1,2-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
Trichloroethene		0.046	mg/L	0.001	SW846-8021 M
Vinyl chloride	U	0.001	mg/L	0.001	SW846-8021 M
<b>WETCHEM</b>					
Cyanide	U	0.02	mg/L	0.02	SW846-9014

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**004-023**

**ERI99-W3-4**

**WAG 3 - SWMU 4**

**004023WA085-45**

Collected: 9/22/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Arsenic	W	0.203	mg/L		0.005	SW846-7060
Barium		0.119	mg/L		0.05	SW846-6010A
Beryllium	BU	0.005	mg/L		0.005	SW846-6010A
Cadmium	U	0.01	mg/L		0.01	SW846-6010A
Calcium	N	16.6	mg/L		0.5	SW846-6010A
Chromium	U	0.05	mg/L		0.05	SW846-6010A
Cobalt		0.04	mg/L		0.01	SW846-6010A
Copper	U	0.05	mg/L		0.05	SW846-6010A
Iron	U	0.2	mg/L		0.2	SW846-6010A
Magnesium		6.32	mg/L		0.05	SW846-6010A
Manganese	N	1.72	mg/L		0.05	SW846-6010A
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470
Potassium	U	2	mg/L		2	SW846-6010A
Sodium		37.6	mg/L		2	SW846-6010A
Vanadium	U	0.1	mg/L		0.1	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A

**004023WA085-5**

Collected: 9/22/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum		1.1	mg/L		0.2	SW846-6010A
Arsenic		0.163	mg/L		0.005	SW846-7060
Barium		0.123	mg/L		0.05	SW846-6010A
Beryllium	BU	0.005	mg/L		0.005	SW846-6010A
Cadmium	U	0.01	mg/L		0.01	SW846-6010A
Calcium	N	16.2	mg/L		0.5	SW846-6010A
Chromium	U	0.05	mg/L		0.05	SW846-6010A
Cobalt		0.041	mg/L		0.01	SW846-6010A
Copper	U	0.05	mg/L		0.05	SW846-6010A
Iron	N	0.819	mg/L		0.2	SW846-6010A
Magnesium		6.3	mg/L		0.05	SW846-6010A
Manganese		1.72	mg/L		0.05	SW846-6010A
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470
Potassium	U	2	mg/L		2	SW846-6010A
Sodium	N	37.1	mg/L		2	SW846-6010A
Vanadium	U	0.1	mg/L		0.1	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A

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**004-024**

**ERI99-W3-4**

**WAG 3 - SWMU 4**

**004024WA085**

Collected: 9/24/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	N	834	mg/L		2	SW846-6010A
Arsenic	B	0.029	mg/L		0.005	SW846-7060
Barium		3.72	mg/L		0.05	SW846-6010A
Beryllium		0.093	mg/L		0.005	SW846-6010A
Cadmium		0.022	mg/L		0.01	SW846-6010A
Calcium		84	mg/L		0.5	SW846-6010A
Chromium	N	1.52	mg/L		0.5	SW846-6010A
Cobalt		0.472	mg/L		0.01	SW846-6010A
Copper		0.62	mg/L		0.5	SW846-6010A
Iron	N	1700	mg/L		2	SW846-6010A
Lead		0.675	mg/L		0.2	SW846-6010A
Magnesium		53.9	mg/L		0.05	SW846-6010A
Manganese		17.3	mg/L		0.05	SW846-6010A
Mercury		0.001	mg/L		0.0002	SW846-7470
Nickel	*N	0.5	mg/L		0.5	SW846-6010A
Potassium		38.5	mg/L		2	SW846-6010A
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Silver	BU	0.5	mg/L		0.5	SW846-6010A
Sodium		28.8	mg/L		2	SW846-6010A
Thallium	*NU	2	mg/L		2	SW846-6010A
Vanadium		1.52	mg/L		0.1	SW846-6010A
Zinc	N	4.74	mg/L		2	SW846-6010A
<b>PPCB</b>						
PCB-1221	U	0.2	mg/L		0.2	SW846-8082 M
PCB-1232	U	0.2	mg/L		0.2	SW846-8082 M
<b>RADS</b>						
Alpha activity		7.1	pCi/L	2.9	4.3	SW846-9310
Americium-241	AX	3.38	pCi/L	6.75	104	RL-7124
Beta activity		113	pCi/L	4.4	2.7	SW846-9310
Neptunium-237	A	28.9	pCi/L	57.7	69.2	RL-7124
Plutonium-239/240	A	-0.114	pCi/L	0.249	1.18	RL-7120
Technetium-99		157	pCi/L	13	14	DNT
Thorium-234	A	239	pCi/L	477	598	RL-7124
<b>SVOA</b>						
1,2,4-Trichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,2-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,3-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,4-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
2,4,5-Trichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4,6-Trichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dimethylphenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dinitrophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dinitrotoluene	U	0.01	mg/L		0.01	SW846-8270 M
2,6-Dinitrotoluene	U	0.01	mg/L		0.01	SW846-8270 M
2-Chloronaphthalene	U	0.01	mg/L		0.01	SW846-8270 M
2-Chlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Methyl-4,6-dinitrophenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Methylnaphthalene	U	0.01	mg/L		0.01	SW846-8270 M

## 004-024

## ERI99-W3-4

## WAG 3 - SWMU 4

2-Methylphenol	U	0.01	mg/L	0.01	SW846-8270 M
2-Nitrobenzenamine	U	0.01	mg/L	0.01	SW846-8270 M
2-Nitrophenol	U	0.01	mg/L	0.01	SW846-8270 M
3,3'-Dichlorobenzidine	U	0.01	mg/L	0.01	SW846-8270 M
3-Nitrobenzenamine	U	0.01	mg/L	0.01	SW846-8270 M
4-Bromophenyl phenyl ether	U	0.01	mg/L	0.01	SW846-8270 M
4-Chloro-3-methylphenol	U	0.01	mg/L	0.01	SW846-8270 M
4-Chlorobenzenamine	U	0.01	mg/L	0.01	SW846-8270 M
4-Chlorophenyl phenyl ether	U	0.01	mg/L	0.01	SW846-8270 M
4-Methylphenol	U	0.01	mg/L	0.01	SW846-8270 M
4-Nitrobenzenamine	U	0.01	mg/L	0.01	SW846-8270 M
4-Nitrophenol	U	0.01	mg/L	0.01	SW846-8270 M
Acenaphthene	U	0.01	mg/L	0.01	SW846-8270 M
Acenaphthylene	U	0.01	mg/L	0.01	SW846-8270 M
Anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Benz(a)anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(a)pyrene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(b)fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(ghi)perylene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(k)fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroethoxy)methane	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroethyl) ether	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroisopropyl) ether	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-ethylhexyl)phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Butyl benzyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Carbazole	U	0.01	mg/L	0.01	SW846-8270 M
Chrysene	U	0.01	mg/L	0.01	SW846-8270 M
Dibenz(a,h)anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Dibenzofuran	U	0.01	mg/L	0.01	SW846-8270 M
Diethyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Dimethyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Di-n-butyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Di-n-octylphthalate	U	0.01	mg/L	0.01	SW846-8270 M
Fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Fluorene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorobenzene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorobutadiene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorocyclopentadiene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachloroethane	U	0.01	mg/L	0.01	SW846-8270 M
Indeno(1,2,3-cd)pyrene	U	0.01	mg/L	0.01	SW846-8270 M
Isophorone	U	0.01	mg/L	0.01	SW846-8270 M
Naphthalene	U	0.01	mg/L	0.01	SW846-8270 M
Nitrobenzene	U	0.01	mg/L	0.01	SW846-8270 M
N-Nitroso-di-n-propylamine	U	0.01	mg/L	0.01	SW846-8270 M
N-Nitrosodiphenylamine	U	0.01	mg/L	0.01	SW846-8270 M
Pentachlorophenol	U	0.01	mg/L	0.01	SW846-8270 M
Phenanthrene	U	0.01	mg/L	0.01	SW846-8270 M
Phenol	U	0.01	mg/L	0.01	SW846-8270 M
Pyrene	U	0.01	mg/L	0.01	SW846-8270 M

## VOA

1,1,1-Trichloroethane	U	1	mg/L	1	SW846-8260
1,1,1,2-Tetrachloroethane	U	1	mg/L	1	SW846-8260
1,1-Dichloroethane	U	1	mg/L	1	SW846-8260
1,2-Dichloropropane	U	1	mg/L	1	SW846-8260
1,2-Dimethylbenzene	U	1	mg/L	1	SW846-8260

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ERI99-W3-4

WAG 3 - SWMU 4

2-Butanone	JU	1	mg/L	1	SW846-8260
2-Hexanone	U	1	mg/L	1	SW846-8260
Acetone	JU	1	mg/L	1	SW846-8260
Bromodichloromethane	U	1	mg/L	1	SW846-8260
Bromoform	U	1	mg/L	1	SW846-8260
Carbon disulfide	U	1	mg/L	1	SW846-8260
cis-1,2-Dichloroethene		0.81	mg/L	0.1	SW846-8021 M
cis-1,3-Dichloropropene	U	1	mg/L	1	SW846-8260
Dibromochloromethane	U	1	mg/L	1	SW846-8260
m,p-Xylene	U	2	mg/L	2	SW846-8260
Styrene	U	1	mg/L	1	SW846-8260
Toluene	U	1	mg/L	1	SW846-8260
trans-1,2-Dichloroethene	J	0.041	mg/L	0.1	SW846-8021 M
trans-1,3-Dichloropropene	U	1	mg/L	1	SW846-8260
Trichloroethene		9.1	mg/L	0.1	SW846-8021 M
Trichloroethene		4.4	mg/L	1	SW846-8260
<b>WETCHEM</b>					
Cyanide	U	0.02	mg/L	0.02	SW846-9014

004024WA085-45

Collected: 9/24/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Arsenic		0.035	mg/L		0.005	SW846-7060
Barium		0.13	mg/L		0.05	SW846-6010A
Beryllium	BU	0.005	mg/L		0.005	SW846-6010A
Cadmium	U	0.01	mg/L		0.01	SW846-6010A
Calcium	J	28.7	mg/L		0.5	SW846-6010A
Chromium	U	0.05	mg/L		0.05	SW846-6010A
Cobalt		0.054	mg/L		0.01	SW846-6010A
Copper	U	0.05	mg/L		0.05	SW846-6010A
Iron		0.224	mg/L		0.2	SW846-6010A
Magnesium		11	mg/L		0.05	SW846-6010A
Manganese	N	2.24	mg/L		0.05	SW846-6010A
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Potassium	U	2	mg/L		2	SW846-6010A
Sodium		33.4	mg/L		2	SW846-6010A
Vanadium	U	0.1	mg/L		0.1	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A

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ERI99-W3-4

WAG 3 - SWMU 4

004024WA085-5

Collected: 9/24/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum		0.302	mg/L		0.2	SW846-6010A
Arsenic		0.029	mg/L		0.005	SW846-7060
Barium		0.095	mg/L		0.05	SW846-6010A
Beryllium	U	0.005	mg/L		0.005	SW846-6010A
Cadmium	U	0.01	mg/L		0.01	SW846-6010A
Calcium	J	28.6	mg/L		0.5	SW846-6010A
Chromium	U	0.05	mg/L		0.05	SW846-6010A
Cobalt		0.045	mg/L		0.01	SW846-6010A
Copper	U	0.05	mg/L		0.05	SW846-6010A
Iron		0.255	mg/L		0.2	SW846-6010A
Magnesium		10.5	mg/L		0.05	SW846-6010A
Manganese		2.48	mg/L		0.05	SW846-6010A
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Potassium	U	2	mg/L		2	SW846-6010A
Sodium		34.9	mg/L		2	SW846-6010A
Vanadium	U	0.1	mg/L		0.1	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A

004024WC085

Collected: 10/14/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>RADS</b>						
Alpha activity	A	8.7	pCi/L	8	13	SW846-9310
Americium-241	A	17.3	pCi/L	34.5	78.6	RL-7124
Beta activity		8.7	pCi/L	5	8.1	SW846-9310
Neptunium-237	A	-20	pCi/L	40	44.5	RL-7124
Plutonium-239/240	A	0.0254	pCi/L	0.149	1.17	RL-7120
Technetium-99	A	14	pCi/L	9.8	16	DNT
Thorium-234	A	-41.4	pCi/L	82.8	512	RL-7124
<b>VOA</b>						
1,1-Dichloroethene		0.34	mg/L		0.1	SW846-8021 M
cis-1,2-Dichloroethene		9	mg/L		0.75	SW846-8021 M
trans-1,2-Dichloroethene		0.11	mg/L		0.1	SW846-8021 M
Trichloroethene		48	mg/L		2.5	SW846-8021 M
Vinyl chloride		0.4	mg/L		0.1	SW846-8021 M

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**004-027**

**ERI99-W3-4**

**WAG 3 - SWMU 4**

**004027WA085**

Collected: 11/11/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	N	139	mg/L		0.2	SW846-6010A
Arsenic	*NW	0.081	mg/L		0.005	SW846-7060
Barium		0.833	mg/L		0.05	SW846-6010A
Beryllium	N	0.026	mg/L		0.01	SW846-6010A
Cadmium	*NU	0.01	mg/L		0.01	SW846-6010A
Calcium	N	71.2	mg/L		1	SW846-6010A
Chromium	N	2.55	mg/L		0.05	SW846-6010A
Cobalt		0.12	mg/L		0.01	SW846-6010A
Copper	N	0.722	mg/L		0.05	SW846-6010A
Iron	N	670	mg/L		2	SW846-6010A
Lead	N	0.204	mg/L		0.2	SW846-6010A
Magnesium	N	30.6	mg/L		0.05	SW846-6010A
Manganese	N	5.99	mg/L		0.05	SW846-6010A
Mercury	NU	0.0002	mg/L		0.0002	SW846-7470
Nickel	N	0.504	mg/L		0.05	SW846-6010A
Potassium	N	10.8	mg/L		2	SW846-6010A
Silver	BNU	0.05	mg/L		0.05	SW846-6010A
Sodium	JN	88.8	mg/L		2	SW846-6010A
Vanadium	N	0.376	mg/L		0.05	SW846-6010A
Zinc	N	2.76	mg/L		0.2	SW846-6010A
<b>PCCB</b>						
PCB-1016	U	0.00016	mg/L		0.0002	SW846-8082
PCB-1221	U	0.00016	mg/L		0.0002	SW846-8082
PCB-1232	U	0.00014	mg/L		0.0001	SW846-8082
PCB-1242	U	0.00015	mg/L		0.0002	SW846-8082
PCB-1248	U	0.00015	mg/L		0.0002	SW846-8082
PCB-1254	U	0.00012	mg/L		0.0001	SW846-8082
PCB-1260	U	0.00016	mg/L		0.0002	SW846-8082
PCB-1268	U	0.00008	mg/L		8E-05	SW846-8082
Polychlorinated biphenyl	U	0.00016	mg/L		0.0002	SW846-8082
<b>RADS</b>						
Alpha activity	A	4.5	pCi/L	2.33	4.61	EPA-900.0
Americium-241	A	5.09	pCi/L	10.2	77.5	RL-7124
Beta activity		14.3	pCi/L	2.82	7.15	EPA-900.0
Neptunium-237	A	-0.0582	pCi/L	0.116	48.6	RL-7124
Plutonium-239/240	A	-0.0983	pCi/L	0.183	1.19	RL-7120
Technetium-99	A	12.1	pCi/L	11.5	16.5	RL-7100
Thorium-234	A	-168	pCi/L	336	500	RL-7124
Uranium-235		0.603	wt %			AS7300
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	UX	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	EX	0.15	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	UX	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dimethylbenzene	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260



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WAG 3 - SWMU 4

4-Methyl-2-pentanone	U	0.01	mg/L	0.01	SW846-8260
Acetone	U	0.01	mg/L	0.01	SW846-8260
Benzene	UX	0.005	mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromoform	U	0.005	mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L	0.005	SW846-8260
Carbon tetrachloride	EX	0.36	mg/L	0.005	SW846-8260
Chlorobenzene	UY	0.005	mg/L	0.005	SW846-8260
Chloroethane	U	0.005	mg/L	0.005	SW846-8260
Chloroform	EX	1.3	mg/L	0.005	SW846-8260
Chloromethane	U	0.005	mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	EX	0.9	mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L	0.005	SW846-8260
m,p-Xylene	U	0.01	mg/L	0.01	SW846-8260
Methylene chloride	EX	0.25	mg/L	0.01	SW846-8260
Styrene	U	0.005	mg/L	0.005	SW846-8260
Tetrachloroethene		0.013	mg/L	0.005	SW846-8260
Toluene	UX	0.005	mg/L	0.005	SW846-8260
trans-1,2-Dichloroethene		0.006	mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Vinyl chloride		0.03	mg/L	0.005	SW846-8260
<b>WETCHEM</b>					
Cyanide	UX	0.02	mg/L	0.02	SW846-9014

004027WA085-45

Collected: 11/11/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Arsenic	N	0.086	mg/L		0.005	SW846-7060
Barium		0.116	mg/L		0.05	SW846-6010A
Beryllium	U	0.01	mg/L		0.01	SW846-6010A
Calcium	N	63.1	mg/L		1	SW846-6010A
Chromium	U	0.05	mg/L		0.05	SW846-6010A
Cobalt		0.052	mg/L		0.01	SW846-6010A
Copper	U	0.05	mg/L		0.05	SW846-6010A
Iron	N	26.7	mg/L		0.2	SW846-6010A
Magnesium	N	24.2	mg/L		0.05	SW846-6010A
Manganese	N	3.25	mg/L		0.05	SW846-6010A
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Potassium		2.59	mg/L		2	SW846-6010A
Sodium	JN	95.3	mg/L		2	SW846-6010A
Vanadium	U	0.05	mg/L		0.05	SW846-6010A
Zinc		0.23	mg/L		0.2	SW846-6010A

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**WAG 3 - SWMU 4**

**004027WA085-5**

Collected: 11/11/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Arsenic	N	0.086	mg/L		0.005	SW846-7060
Barium		0.105	mg/L		0.05	SW846-6010A
Beryllium	U	0.01	mg/L		0.01	SW846-6010A
Calcium	N	63.4	mg/L		1	SW846-6010A
Chromium	U	0.05	mg/L		0.05	SW846-6010A
Cobalt		0.055	mg/L		0.01	SW846-6010A
Copper	U	0.05	mg/L		0.05	SW846-6010A
Iron	N	26.8	mg/L		0.2	SW846-6010A
Magnesium	N	24.4	mg/L		0.05	SW846-6010A
Manganese	N	3.29	mg/L		0.05	SW846-6010A
Nickel		0.057	mg/L		0.05	SW846-6010A
Potassium		2.66	mg/L		2	SW846-6010A
Sodium	JN	95.7	mg/L		2	SW846-6010A
Vanadium	U	0.05	mg/L		0.05	SW846-6010A
Zinc		0.241	mg/L		0.2	SW846-6010A

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**004-028**

**ERI99-W3-4**

**WAG 3 - SWMU 4**

**004028WA040**

Collected: 9/2/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	N	1270	mg/L		2	SW846-6010A
Barium	B	7.93	mg/L		0.5	SW846-6010A
Beryllium	B	0.13	mg/L		0.05	SW846-6010A
Calcium	N	170	mg/L		5	SW846-6010A
Chromium	BN	1.34	mg/L		0.5	SW846-6010A
Cobalt		1.17	mg/L		0.1	SW846-6010A
Copper		0.79	mg/L		0.5	SW846-6010A
Iron	*JN	2560	mg/L		2	SW846-6010A
Magnesium		102	mg/L		0.5	SW846-6010A
Manganese	N	42.7	mg/L		0.5	SW846-6010A
Mercury	BW	0.0023	mg/L		0.0002	SW846-7470
Nickel	*N	0.7	mg/L		0.5	SW846-6010A
Potassium	N	57	mg/L		20	SW846-6010A
Selenium	NUW	0.005	mg/L		0.005	SW846-7740
Silver	BU	0.5	mg/L		0.5	SW846-6010A
Sodium	N	27.7	mg/L		20	SW846-6010A
Thallium	NU	2	mg/L		2	SW846-6010A
Vanadium		4.01	mg/L		1	SW846-6010A
Zinc	*BN	3.54	mg/L		2	SW846-6010A
<b>PPCB</b>						
PCB-1221	U	0.137	mg/L		0.137	SW846-8082 M
PCB-1232	U	0.137	mg/L		0.137	SW846-8082 M
<b>RADS</b>						
Alpha activity		3.9	pCi/L	1.5	1.8	SW846-9310
Beta activity	U	2.3	pCi/L	1.5	2.4	SW846-9310
Technetium-99	U	13.3	pCi/L	8.9	14	DNT
<b>SVOA</b>						
1,2,4-Trichlorobenzene	U	0.011	mg/L		0.011	SW846-8270 M
1,2-Dichlorobenzene	U	0.011	mg/L		0.011	SW846-8270 M
1,3-Dichlorobenzene	U	0.011	mg/L		0.011	SW846-8270 M
1,4-Dichlorobenzene	U	0.011	mg/L		0.011	SW846-8270 M
2,4,5-Trichlorophenol	U	0.011	mg/L		0.011	SW846-8270 M
2,4,6-Trichlorophenol	U	0.011	mg/L		0.011	SW846-8270 M
2,4-Dichlorophenol	U	0.011	mg/L		0.011	SW846-8270 M
2,4-Dimethylphenol	U	0.011	mg/L		0.011	SW846-8270 M
2,4-Dinitrophenol	U	0.011	mg/L		0.011	SW846-8270 M
2,4-Dinitrotoluene	U	0.011	mg/L		0.011	SW846-8270 M
2,6-Dinitrotoluene	U	0.011	mg/L		0.011	SW846-8270 M
2-Chloronaphthalene	U	0.011	mg/L		0.011	SW846-8270 M
2-Chlorophenol	U	0.011	mg/L		0.011	SW846-8270 M
2-Methyl-4,6-dinitrophenol	U	0.011	mg/L		0.011	SW846-8270 M
2-Methylnaphthalene	U	0.011	mg/L		0.011	SW846-8270 M
2-Methylphenol	U	0.011	mg/L		0.011	SW846-8270 M
2-Nitrobenzenamine	U	0.011	mg/L		0.011	SW846-8270 M
2-Nitrophenol	U	0.011	mg/L		0.011	SW846-8270 M
3,3'-Dichlorobenzidine	U	0.011	mg/L		0.011	SW846-8270 M
3-Nitrobenzenamine	U	0.011	mg/L		0.011	SW846-8270 M
4-Bromophenyl phenyl ether	U	0.011	mg/L		0.011	SW846-8270 M
4-Chloro-3-methylphenol	U	0.011	mg/L		0.011	SW846-8270 M

## 004-028

## ERI99-W3-4

## WAG 3 - SWMU 4

4-Chlorobenzeneamine	U	0.011	mg/L	0.011	SW846-8270 M
4-Chlorophenyl phenyl ether	U	0.011	mg/L	0.011	SW846-8270 M
4-Methylphenol	U	0.011	mg/L	0.011	SW846-8270 M
4-Nitrobenzenamine	U	0.011	mg/L	0.011	SW846-8270 M
4-Nitrophenol	U	0.011	mg/L	0.011	SW846-8270 M
Acenaphthene	U	0.011	mg/L	0.011	SW846-8270 M
Acenaphthylene	U	0.011	mg/L	0.011	SW846-8270 M
Anthracene	U	0.011	mg/L	0.011	SW846-8270 M
Benz(a)anthracene	U	0.011	mg/L	0.011	SW846-8270 M
Benzo(a)pyrene	U	0.011	mg/L	0.011	SW846-8270 M
Benzo(b)fluoranthene	U	0.011	mg/L	0.011	SW846-8270 M
Benzo(ghi)perylene	U	0.011	mg/L	0.011	SW846-8270 M
Benzo(k)fluoranthene	U	0.011	mg/L	0.011	SW846-8270 M
Bis(2-chloroethoxy)methane	U	0.011	mg/L	0.011	SW846-8270 M
Bis(2-chloroethyl) ether	U	0.011	mg/L	0.011	SW846-8270 M
Bis(2-chloroisopropyl) ether	U	0.011	mg/L	0.011	SW846-8270 M
Bis(2-ethylhexyl)phthalate	U	0.011	mg/L	0.011	SW846-8270 M
Butyl benzyl phthalate	U	0.011	mg/L	0.011	SW846-8270 M
Carbazole	U	0.011	mg/L	0.011	SW846-8270 M
Chrysene	U	0.011	mg/L	0.011	SW846-8270 M
Dibenz(a,h)anthracene	U	0.011	mg/L	0.011	SW846-8270 M
Dibenzofuran	U	0.011	mg/L	0.011	SW846-8270 M
Diethyl phthalate	U	0.011	mg/L	0.011	SW846-8270 M
Dimethyl phthalate	U	0.011	mg/L	0.011	SW846-8270 M
Di-n-butyl phthalate	U	0.011	mg/L	0.011	SW846-8270 M
Di-n-octylphthalate	U	0.011	mg/L	0.011	SW846-8270 M
Fluoranthene	U	0.011	mg/L	0.011	SW846-8270 M
Fluorene	U	0.011	mg/L	0.011	SW846-8270 M
Hexachlorobenzene	U	0.011	mg/L	0.011	SW846-8270 M
Hexachlorobutadiene	U	0.011	mg/L	0.011	SW846-8270 M
Hexachlorocyclopentadiene	U	0.011	mg/L	0.011	SW846-8270 M
Hexachloroethane	U	0.011	mg/L	0.011	SW846-8270 M
Indeno(1,2,3-cd)pyrene	U	0.011	mg/L	0.011	SW846-8270 M
Isophorone	U	0.011	mg/L	0.011	SW846-8270 M
Naphthalene	U	0.011	mg/L	0.011	SW846-8270 M
Nitrobenzene	U	0.011	mg/L	0.011	SW846-8270 M
N-Nitroso-di-n-propylamine	U	0.011	mg/L	0.011	SW846-8270 M
N-Nitrosodiphenylamine	U	0.011	mg/L	0.011	SW846-8270 M
Pentachlorophenol	U	0.011	mg/L	0.011	SW846-8270 M
Phenanthrene	U	0.011	mg/L	0.011	SW846-8270 M
Phenol	U	0.011	mg/L	0.011	SW846-8270 M
Pyrene	U	0.011	mg/L	0.011	SW846-8270 M
<b>VOA</b>					
1,1-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
cis-1,2-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
trans-1,2-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
Trichloroethene	J	0.0004	mg/L	0.001	SW846-8021 M
Vinyl chloride	U	0.001	mg/L	0.001	SW846-8021 M
<b>WETCHEM</b>					
Cyanide	U	0.02	mg/L	0.02	SW846-9014

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004-028

ERI99-W3-4

WAG 3 - SWMU 4

004028WA040-45

Collected: 9/2/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium		0.105	mg/L		0.05	SW846-6010A
Beryllium	BU	0.005	mg/L		0.005	SW846-6010A
Calcium		24.5	mg/L		0.5	SW846-6010A
Chromium	BU	0.05	mg/L		0.05	SW846-6010A
Cobalt		0.028	mg/L		0.01	SW846-6010A
Copper	U	0.05	mg/L		0.05	SW846-6010A
Iron	BU	0.2	mg/L		0.2	SW846-6010A
Magnesium		10	mg/L		0.05	SW846-6010A
Manganese		1.06	mg/L		0.05	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Potassium	U	2	mg/L		2	SW846-6010A
Sodium		28.8	mg/L		2	SW846-6010A
Vanadium	U	0.1	mg/L		0.1	SW846-6010A
Zinc	NU	0.2	mg/L		0.2	SW846-6010A

004028WA040-5

Collected: 9/2/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum		1.52	mg/L		0.2	SW846-6010A
Barium		0.113	mg/L		0.05	SW846-6010A
Beryllium	BU	0.005	mg/L		0.005	SW846-6010A
Calcium		25.1	mg/L		0.5	SW846-6010A
Chromium	BU	0.05	mg/L		0.05	SW846-6010A
Cobalt	B	0.031	mg/L		0.01	SW846-6010A
Copper	BU	0.05	mg/L		0.05	SW846-6010A
Iron		0.647	mg/L		0.2	SW846-6010A
Magnesium		10.5	mg/L		0.05	SW846-6010A
Manganese		1.04	mg/L		0.05	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Potassium	U	2	mg/L		2	SW846-6010A
Sodium		28.7	mg/L		2	SW846-6010A
Vanadium	BU	0.1	mg/L		0.1	SW846-6010A
Zinc	BU	0.2	mg/L		0.2	SW846-6010A

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**004-028**

**ERI99-W3-4**

**WAG 3 - SWMU 4**

**004028WA060**

Collected: 9/3/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	N	854	mg/L		2	SW846-6010A
Barium	B	7.1	mg/L		0.5	SW846-6010A
Beryllium	B	0.15	mg/L		0.05	SW846-6010A
Calcium	N	137	mg/L		5	SW846-6010A
Chromium	BN	1.52	mg/L		0.5	SW846-6010A
Cobalt		0.61	mg/L		0.1	SW846-6010A
Copper		0.59	mg/L		0.5	SW846-6010A
Iron	*N	1830	mg/L		2	SW846-6010A
Magnesium		149	mg/L		0.5	SW846-6010A
Manganese	N	25.8	mg/L		0.5	SW846-6010A
Mercury	BW	0.0022	mg/L		0.0002	SW846-7470
Nickel	*N	0.9	mg/L		0.5	SW846-6010A
Potassium	N	90.8	mg/L		20	SW846-6010A
Selenium	NUW	0.005	mg/L		0.005	SW846-7740
Silver	BU	0.5	mg/L		0.5	SW846-6010A
Sodium	NU	20	mg/L		20	SW846-6010A
Thallium	NU	2	mg/L		2	SW846-6010A
Vanadium		4.01	mg/L		1	SW846-6010A
Zinc	*BN	3.54	mg/L		2	SW846-6010A
<b>RADS</b>						
Alpha activity		3.8	pCi/L	1.9	2.9	SW846-9310
Beta activity		59.8	pCi/L	3.4	2.7	SW846-9310
Plutonium-239/240	A	-0.131	pCi/L	0.201	1.25	RL-7120
Technetium-99		106	pCi/L	12	14	DNT
Uranium-235		0.524	wt %			AS7300
<b>SVOA</b>						
1,2,4-Trichlorobenzene	U	0.04	mg/L		0.04	SW846-8270 M
1,2-Dichlorobenzene	U	0.04	mg/L		0.04	SW846-8270 M
1,4-Dichlorobenzene	U	0.04	mg/L		0.04	SW846-8270 M
2,4,5-Trichlorophenol	U	0.04	mg/L		0.04	SW846-8270 M
2,4,6-Trichlorophenol	U	0.04	mg/L		0.04	SW846-8270 M
2,4-Dichlorophenol	U	0.04	mg/L		0.04	SW846-8270 M
2,4-Dimethylphenol	U	0.04	mg/L		0.04	SW846-8270 M
2,4-Dinitrotoluene	U	0.04	mg/L		0.04	SW846-8270 M
2,6-Dinitrotoluene	U	0.04	mg/L		0.04	SW846-8270 M
2-Chloronaphthalene	U	0.04	mg/L		0.04	SW846-8270 M
2-Chlorophenol	U	0.04	mg/L		0.04	SW846-8270 M
2-Methyl-4,6-dinitrophenol	U	0.04	mg/L		0.04	SW846-8270 M
2-Methylnaphthalene	U	0.04	mg/L		0.04	SW846-8270 M
2-Methylphenol	U	0.04	mg/L		0.04	SW846-8270 M
2-Nitrobenzenamine	U	0.04	mg/L		0.04	SW846-8270 M
2-Nitrophenol	U	0.04	mg/L		0.04	SW846-8270 M
3,3'-Dichlorobenzidine	U	0.04	mg/L		0.04	SW846-8270 M
3-Nitrobenzenamine	U	0.04	mg/L		0.04	SW846-8270 M
4-Bromophenyl phenyl ether	U	0.04	mg/L		0.04	SW846-8270 M
4-Chloro-3-methylphenol	U	0.04	mg/L		0.04	SW846-8270 M
4-Chlorobenzenamine	U	0.04	mg/L		0.04	SW846-8270 M
4-Chlorophenyl phenyl ether	U	0.04	mg/L		0.04	SW846-8270 M
4-Methylphenol	U	0.04	mg/L		0.04	SW846-8270 M

## 004-028

## ERI99-W3-4

## WAG 3 - SWMU 4

4-Nitrobenzenamine	U	0.04	mg/L	0.04	SW846-8270 M
4-Nitrophenol	U	0.04	mg/L	0.04	SW846-8270 M
Acenaphthene	U	0.04	mg/L	0.04	SW846-8270 M
Acenaphthylene	U	0.04	mg/L	0.04	SW846-8270 M
Anthracene	U	0.04	mg/L	0.04	SW846-8270 M
Benz(a)anthracene	U	0.04	mg/L	0.04	SW846-8270 M
Benzo(a)pyrene	U	0.04	mg/L	0.04	SW846-8270 M
Benzo(b)fluoranthene	U	0.04	mg/L	0.04	SW846-8270 M
Benzo(ghi)perylene	U	0.04	mg/L	0.04	SW846-8270 M
Benzo(k)fluoranthene	U	0.04	mg/L	0.04	SW846-8270 M
Bis(2-chloroethoxy)methane	U	0.04	mg/L	0.04	SW846-8270 M
Bis(2-chloroethyl) ether	U	0.04	mg/L	0.04	SW846-8270 M
Bis(2-chloroisopropyl) ether	U	0.04	mg/L	0.04	SW846-8270 M
Bis(2-ethylhexyl)phthalate	U	0.04	mg/L	0.04	SW846-8270 M
Carbazole	U	0.04	mg/L	0.04	SW846-8270 M
Chrysene	U	0.04	mg/L	0.04	SW846-8270 M
Dibenz(a,h)anthracene	U	0.04	mg/L	0.04	SW846-8270 M
Dibenzofuran	U	0.04	mg/L	0.04	SW846-8270 M
Diethyl phthalate	U	0.04	mg/L	0.04	SW846-8270 M
Dimethyl phthalate	U	0.04	mg/L	0.04	SW846-8270 M
Di-n-butyl phthalate	U	0.04	mg/L	0.04	SW846-8270 M
Fluoranthene	U	0.04	mg/L	0.04	SW846-8270 M
Fluorene	U	0.04	mg/L	0.04	SW846-8270 M
Hexachlorobenzene	U	0.04	mg/L	0.04	SW846-8270 M
Hexachlorobutadiene	U	0.04	mg/L	0.04	SW846-8270 M
Hexachlorocyclopentadiene	U	0.04	mg/L	0.04	SW846-8270 M
Hexachloroethane	U	0.04	mg/L	0.04	SW846-8270 M
Indeno(1,2,3-cd)pyrene	U	0.04	mg/L	0.04	SW846-8270 M
Isophorone	U	0.04	mg/L	0.04	SW846-8270 M
Naphthalene	U	0.04	mg/L	0.04	SW846-8270 M
Nitrobenzene	U	0.04	mg/L	0.04	SW846-8270 M
N-Nitroso-di-n-propylamine	U	0.04	mg/L	0.04	SW846-8270 M
N-Nitrosodiphenylamine	U	0.04	mg/L	0.04	SW846-8270 M
Pentachlorophenol	U	0.04	mg/L	0.04	SW846-8270 M
Phenanthrene	U	0.04	mg/L	0.04	SW846-8270 M
Phenol	U	0.04	mg/L	0.04	SW846-8270 M
Pyrene	U	0.04	mg/L	0.04	SW846-8270 M
<b>VOA</b>					
1,1-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
cis-1,2-Dichloroethene		0.0023	mg/L	0.001	SW846-8021 M
trans-1,2-Dichloroethene	J	0.0002	mg/L	0.001	SW846-8021 M
Trichloroethene		0.063	mg/L	0.001	SW846-8021 M
Vinyl chloride	U	0.001	mg/L	0.001	SW846-8021 M
<b>WETCHEM</b>					
Cyanide	U	0.02	mg/L	0.02	SW846-9014

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004-028

ERI99-W3-4

WAG 3 - SWMU 4

004028WA060-45

Collected: 9/3/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum		0.57	mg/L		0.2	SW846-6010A
Barium		1.67	mg/L		0.05	SW846-6010A
Beryllium	B	0.016	mg/L		0.005	SW846-6010A
Calcium		82.3	mg/L		0.5	SW846-6010A
Chromium	BU	0.05	mg/L		0.05	SW846-6010A
Cobalt		0.088	mg/L		0.01	SW846-6010A
Copper	U	0.05	mg/L		0.05	SW846-6010A
Iron	BU	0.2	mg/L		0.2	SW846-6010A
Magnesium		29	mg/L		0.05	SW846-6010A
Manganese		3.08	mg/L		0.05	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Potassium	U	2	mg/L		2	SW846-6010A
Vanadium	U	0.1	mg/L		0.1	SW846-6010A
Zinc	N	0.202	mg/L		0.2	SW846-6010A

004028WA060-5

Collected: 9/3/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum		0.42	mg/L		0.2	SW846-6010A
Barium	U	0.05	mg/L		0.05	SW846-6010A
Beryllium	BU	0.005	mg/L		0.005	SW846-6010A
Calcium		11.8	mg/L		0.5	SW846-6010A
Chromium	BU	0.05	mg/L		0.05	SW846-6010A
Cobalt	BU	0.01	mg/L		0.01	SW846-6010A
Copper	BU	0.05	mg/L		0.05	SW846-6010A
Iron		0.206	mg/L		0.2	SW846-6010A
Magnesium		4.91	mg/L		0.05	SW846-6010A
Manganese		0.065	mg/L		0.05	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Potassium	U	2	mg/L		2	SW846-6010A
Vanadium	BU	0.1	mg/L		0.1	SW846-6010A
Zinc	BU	0.2	mg/L		0.2	SW846-6010A



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**004-028**

**ERI99-W3-4**

**WAG 3 - SWMU 4**

**004028WA065**

Collected: 9/3/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	N	31.1	mg/L		0.2	SW846-6010A
Barium		0.267	mg/L		0.05	SW846-6010A
Beryllium	B	0.006	mg/L		0.005	SW846-6010A
Cadmium	BU	0.01	mg/L		0.01	SW846-6010A
Calcium		18.2	mg/L		0.5	SW846-6010A
Chromium	U	0.05	mg/L		0.05	SW846-6010A
Cobalt		0.041	mg/L		0.01	SW846-6010A
Copper	BU	0.05	mg/L		0.05	SW846-6010A
Iron	N	74.6	mg/L		0.2	SW846-6010A
Magnesium		8.3	mg/L		0.05	SW846-6010A
Manganese	N	2.09	mg/L		0.05	SW846-6010A
Mercury	BUW	0.0002	mg/L		0.0002	SW846-7470
Nickel		0.056	mg/L		0.05	SW846-6010A
Potassium		2.64	mg/L		2	SW846-6010A
Selenium	NUW	0.005	mg/L		0.005	SW846-7740
Silver	BU	0.05	mg/L		0.05	SW846-6010A
Sodium		14.9	mg/L		2	SW846-6010A
Thallium	NU	0.2	mg/L		0.2	SW846-6010A
Vanadium	U	0.1	mg/L		0.1	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A
<b>RADS</b>						
Alpha activity	U	2.1	pCi/L	1.6	2.6	SW846-9310
Americium-241	A	19.8	pCi/L	39.6	77.2	RL-7124
Beta activity		90.5	pCi/L	3.8	2.4	SW846-9310
Neptunium-237	A	-0.27	pCi/L	0.54	53.8	RL-7124
Plutonium-239/240	A	-0.094	pCi/L	0.234	1.27	RL-7120
Technetium-99		133	pCi/L	13	14	DNT
Thorium-234	A	-349	pCi/L	698	508	RL-7124
Uranium-235		0.581	wt %			AS7300
<b>SVOA</b>						
1,2,4-Trichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,2-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,3-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,4-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
2,4,5-Trichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4,6-Trichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dimethylphenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dinitrotoluene	U	0.01	mg/L		0.01	SW846-8270 M
2,6-Dinitrotoluene	U	0.01	mg/L		0.01	SW846-8270 M
2-Chloronaphthalene	U	0.01	mg/L		0.01	SW846-8270 M
2-Chlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Methyl-4,6-dinitrophenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Methylnaphthalene	U	0.01	mg/L		0.01	SW846-8270 M
2-Methylphenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Nitrobenzenamine	U	0.01	mg/L		0.01	SW846-8270 M
2-Nitrophenol	U	0.01	mg/L		0.01	SW846-8270 M
3,3'-Dichlorobenzidine	U	0.01	mg/L		0.01	SW846-8270 M
3-Nitrobenzenamine	U	0.01	mg/L		0.01	SW846-8270 M

\*QUALIFIER Codes See attached List.

## 004-028

## ERI99-W3-4

## WAG 3 - SWMU 4

4-Bromophenyl phenyl ether	U	0.01	mg/L	0.01	SW846-8270 M
4-Chloro-3-methylphenol	U	0.01	mg/L	0.01	SW846-8270 M
4-Chlorobenzeneamine	U	0.01	mg/L	0.01	SW846-8270 M
4-Chlorophenyl phenyl ether	U	0.01	mg/L	0.01	SW846-8270 M
4-Methylphenol	U	0.01	mg/L	0.01	SW846-8270 M
4-Nitrobenzeneamine	U	0.01	mg/L	0.01	SW846-8270 M
4-Nitrophenol	U	0.01	mg/L	0.01	SW846-8270 M
Acenaphthene	U	0.01	mg/L	0.01	SW846-8270 M
Acenaphthylene	U	0.01	mg/L	0.01	SW846-8270 M
Anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Benz(a)anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(a)pyrene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(b)fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(ghi)perylene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(k)fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroethoxy)methane	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroethyl) ether	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroisopropyl) ether	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-ethylhexyl)phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Carbazole	U	0.01	mg/L	0.01	SW846-8270 M
Chrysene	U	0.01	mg/L	0.01	SW846-8270 M
Dibenz(a,h)anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Dibenzofuran	U	0.01	mg/L	0.01	SW846-8270 M
Diethyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Dimethyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Di-n-butyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Di-n-octylphthalate	U	0.01	mg/L	0.01	SW846-8270 M
Fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Fluorene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorobenzene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorobutadiene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorocyclopentadiene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachloroethane	U	0.01	mg/L	0.01	SW846-8270 M
Indeno(1,2,3-cd)pyrene	U	0.01	mg/L	0.01	SW846-8270 M
Isophorone	U	0.01	mg/L	0.01	SW846-8270 M
Naphthalene	U	0.01	mg/L	0.01	SW846-8270 M
Nitrobenzene	U	0.01	mg/L	0.01	SW846-8270 M
N-Nitroso-di-n-propylamine	U	0.01	mg/L	0.01	SW846-8270 M
N-Nitrosodiphenylamine	U	0.01	mg/L	0.01	SW846-8270 M
Pentachlorophenol	U	0.01	mg/L	0.01	SW846-8270 M
Phenanthrene	U	0.01	mg/L	0.01	SW846-8270 M
Phenol	U	0.01	mg/L	0.01	SW846-8270 M
Pyrene	U	0.01	mg/L	0.01	SW846-8270 M
<b>VOA</b>					
1,1-Dichloroethene	J	0.0006	mg/L	0.001	SW846-8021 M
cis-1,2-Dichloroethene		0.026	mg/L	0.001	SW846-8021 M
trans-1,2-Dichloroethene		0.0039	mg/L	0.001	SW846-8021 M
Trichloroethene		1	mg/L	0.001	SW846-8021 M
Vinyl chloride	J	0.0002	mg/L	0.001	SW846-8021 M
<b>WETCHEM</b>					
Cyanide	U	0.02	mg/L	0.02	SW846-9014

# Paducah-OREIS Data Report

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**004-028**

**ERI99-W3-4**

**WAG 3 - SWMU 4**

**004028WA065-45**

Collected: 9/3/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium		0.082	mg/L		0.05	SW846-6010A
Beryllium	BU	0.005	mg/L		0.005	SW846-6010A
Calcium		16.9	mg/L		0.5	SW846-6010A
Cobalt		0.014	mg/L		0.01	SW846-6010A
Iron	B	0.559	mg/L		0.2	SW846-6010A
Magnesium		6.89	mg/L		0.05	SW846-6010A
Manganese		0.829	mg/L		0.05	SW846-6010A
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Potassium	U	2	mg/L		2	SW846-6010A
Sodium		15.3	mg/L		2	SW846-6010A

**004028WA065-5**

Collected: 9/3/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium		0.085	mg/L		0.05	SW846-6010A
Beryllium	BU	0.005	mg/L		0.005	SW846-6010A
Calcium		17.1	mg/L		0.5	SW846-6010A
Cobalt	B	0.016	mg/L		0.01	SW846-6010A
Iron	U	0.2	mg/L		0.2	SW846-6010A
Magnesium		7.16	mg/L		0.05	SW846-6010A
Manganese		0.955	mg/L		0.05	SW846-6010A
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Potassium	U	2	mg/L		2	SW846-6010A
Sodium		15.3	mg/L		2	SW846-6010A

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004-028

ERI99-W3-4

WAG 3 - SWMU 4

004028WA070

Collected: 9/3/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	N	3.27	mg/L		0.2	SW846-6010A
Barium		0.075	mg/L		0.05	SW846-6010A
Beryllium	BU	0.005	mg/L		0.005	SW846-6010A
Cadmium	BU	0.01	mg/L		0.01	SW846-6010A
Calcium		19.1	mg/L		0.5	SW846-6010A
Chromium	U	0.05	mg/L		0.05	SW846-6010A
Cobalt	U	0.01	mg/L		0.01	SW846-6010A
Copper	BU	0.05	mg/L		0.05	SW846-6010A
Iron	N	19.8	mg/L		0.2	SW846-6010A
Magnesium		7.94	mg/L		0.05	SW846-6010A
Manganese	N	0.487	mg/L		0.05	SW846-6010A
Mercury	BUW	0.0002	mg/L		0.0002	SW846-7470
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Potassium	U	2	mg/L		2	SW846-6010A
Selenium	NUW	0.005	mg/L		0.005	SW846-7740
Silver	BU	0.05	mg/L		0.05	SW846-6010A
Sodium		14.9	mg/L		2	SW846-6010A
Thallium	NU	0.2	mg/L		0.2	SW846-6010A
Vanadium	U	0.1	mg/L		0.1	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A
<b>RADS</b>						
Alpha activity		6.1	pCi/L	2.2	3.1	SW846-9310
Americium-241	A	20.3	pCi/L	40.5	76.4	RL-7124
Beta activity		105	pCi/L	4.2	2.6	SW846-9310
Neptunium-237	A	-5.47	pCi/L	10.9	45	RL-7124
Plutonium-239/240	A	0.0414	pCi/L	0.305	1.27	RL-7120
Technetium-99		165	pCi/L	13	14	DNT
Thorium-234	A	-351	pCi/L	702	473	RL-7124
<b>SVOA</b>						
1,2,4-Trichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,2-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,3-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,4-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
2,4,5-Trichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4,6-Trichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dimethylphenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dinitrotoluene	U	0.01	mg/L		0.01	SW846-8270 M
2,6-Dinitrotoluene	U	0.01	mg/L		0.01	SW846-8270 M
2-Chloronaphthalene	U	0.01	mg/L		0.01	SW846-8270 M
2-Chlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Methyl-4,6-dinitrophenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Methylnaphthalene	U	0.01	mg/L		0.01	SW846-8270 M
2-Methylphenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Nitrobenzenamine	U	0.01	mg/L		0.01	SW846-8270 M
2-Nitrophenol	U	0.01	mg/L		0.01	SW846-8270 M
3,3'-Dichlorobenzidine	U	0.01	mg/L		0.01	SW846-8270 M
3-Nitrobenzenamine	U	0.01	mg/L		0.01	SW846-8270 M
4-Bromophenyl phenyl ether	U	0.01	mg/L		0.01	SW846-8270 M

## 004-028

## ERI99-W3-4

## WAG 3 - SWMU 4

4-Chloro-3-methylphenol	U	0.01	mg/L	0.01	SW846-8270 M
4-Chlorobenzeneamine	U	0.01	mg/L	0.01	SW846-8270 M
4-Chlorophenyl phenyl ether	U	0.01	mg/L	0.01	SW846-8270 M
4-Methylphenol	U	0.01	mg/L	0.01	SW846-8270 M
4-Nitrobenzeneamine	U	0.01	mg/L	0.01	SW846-8270 M
4-Nitrophenol	U	0.01	mg/L	0.01	SW846-8270 M
Acenaphthene	U	0.01	mg/L	0.01	SW846-8270 M
Acenaphthylene	U	0.01	mg/L	0.01	SW846-8270 M
Anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Benz(a)anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(a)pyrene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(b)fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(ghi)perylene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(k)fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroethoxy)methane	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroethyl) ether	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroisopropyl) ether	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-ethylhexyl)phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Carbazole	U	0.01	mg/L	0.01	SW846-8270 M
Chrysene	U	0.01	mg/L	0.01	SW846-8270 M
Dibenz(a,h)anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Dibenzofuran	U	0.01	mg/L	0.01	SW846-8270 M
Diethyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Dimethyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Di-n-butyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Di-n-octylphthalate	U	0.01	mg/L	0.01	SW846-8270 M
Fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Fluorene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorobenzene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorobutadiene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorocyclopentadiene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachloroethane	U	0.01	mg/L	0.01	SW846-8270 M
Indeno(1,2,3-cd)pyrene	U	0.01	mg/L	0.01	SW846-8270 M
Isophorone	U	0.01	mg/L	0.01	SW846-8270 M
Naphthalene	U	0.01	mg/L	0.01	SW846-8270 M
Nitrobenzene	U	0.01	mg/L	0.01	SW846-8270 M
N-Nitroso-di-n-propylamine	U	0.01	mg/L	0.01	SW846-8270 M
N-Nitrosodiphenylamine	U	0.01	mg/L	0.01	SW846-8270 M
Pentachlorophenol	U	0.01	mg/L	0.01	SW846-8270 M
Phenanthrene	U	0.01	mg/L	0.01	SW846-8270 M
Phenol	U	0.01	mg/L	0.01	SW846-8270 M
Pyrene	U	0.01	mg/L	0.01	SW846-8270 M
<b>VOA</b>					
1,1-Dichloroethene	J	0.0003	mg/L	0.001	SW846-8021 M
cis-1,2-Dichloroethene		0.028	mg/L	0.001	SW846-8021 M
trans-1,2-Dichloroethene		0.0037	mg/L	0.001	SW846-8021 M
Trichloroethene		1.5	mg/L	0.001	SW846-8021 M
Vinyl chloride	J	0.0002	mg/L	0.001	SW846-8021 M
<b>WETCHEM</b>					
Cyanide	U	0.02	mg/L	0.02	SW846-9014

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004-028

ERI99-W3-4

WAG 3 - SWMU 4

004028WA070-45

Collected: 9/3/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium		0.063	mg/L		0.05	SW846-6010A
Calcium		18.7	mg/L		0.5	SW846-6010A
Iron	B	0.394	mg/L		0.2	SW846-6010A
Magnesium		7.67	mg/L		0.05	SW846-6010A
Manganese		0.378	mg/L		0.05	SW846-6010A
Sodium		14.8	mg/L		2	SW846-6010A

004028WA070-5

Collected: 9/3/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium		0.069	mg/L		0.05	SW846-6010A
Calcium		19.2	mg/L		0.5	SW846-6010A
Iron		0.525	mg/L		0.2	SW846-6010A
Magnesium		8.19	mg/L		0.05	SW846-6010A
Manganese		0.417	mg/L		0.05	SW846-6010A
Sodium		15.1	mg/L		2	SW846-6010A

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**004-028**

**ERI99-W3-4**

**WAG 3 - SWMU 4**

**004028WA075**

Collected: 9/3/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	N	8	mg/L		0.2	SW846-6010A
Arsenic	NW	0.007	mg/L		0.005	SW846-7060
Barium		0.224	mg/L		0.05	SW846-6010A
Beryllium	B	0.006	mg/L		0.005	SW846-6010A
Cadmium	BU	0.01	mg/L		0.01	SW846-6010A
Calcium		22	mg/L		0.5	SW846-6010A
Chromium	U	0.05	mg/L		0.05	SW846-6010A
Cobalt		0.053	mg/L		0.01	SW846-6010A
Copper	BU	0.05	mg/L		0.05	SW846-6010A
Iron	N	165	mg/L		0.2	SW846-6010A
Magnesium		8.09	mg/L		0.05	SW846-6010A
Manganese	N	5.04	mg/L		0.05	SW846-6010A
Mercury	BUW	0.0002	mg/L		0.0002	SW846-7470
Nickel		0.129	mg/L		0.05	SW846-6010A
Potassium	U	2	mg/L		2	SW846-6010A
Selenium	NUW	0.005	mg/L		0.005	SW846-7740
Silver	BU	0.05	mg/L		0.05	SW846-6010A
Sodium		16.4	mg/L		2	SW846-6010A
Thallium	NU	0.2	mg/L		0.2	SW846-6010A
Vanadium	U	0.1	mg/L		0.1	SW846-6010A
Zinc		0.549	mg/L		0.2	SW846-6010A
<b>RADS</b>						
Alpha activity		4.1	pCi/L	2	2.9	SW846-9310
Americium-241	A	-15	pCi/L	30	64.4	RL-7124
Beta activity		101	pCi/L	4.1	2.6	SW846-9310
Neptunium-237	A	-2.21	pCi/L	4.42	42.9	RL-7124
Plutonium-239/240	A	-0.113	pCi/L	0.213	1.27	RL-7120
Technetium-99		171	pCi/L	14	14	DNT
Thorium-234	A	-186	pCi/L	371	475	RL-7124
<b>SVOA</b>						
1,2,4-Trichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,2-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,3-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,4-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
2,4,5-Trichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4,6-Trichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dimethylphenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dinitrotoluene	U	0.01	mg/L		0.01	SW846-8270 M
2,6-Dinitrotoluene	U	0.01	mg/L		0.01	SW846-8270 M
2-Chloronaphthalene	U	0.01	mg/L		0.01	SW846-8270 M
2-Chlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Methyl-4,6-dinitrophenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Methylnaphthalene	U	0.01	mg/L		0.01	SW846-8270 M
2-Methylphenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Nitrobenzenamine	U	0.01	mg/L		0.01	SW846-8270 M
2-Nitrophenol	U	0.01	mg/L		0.01	SW846-8270 M
3,3'-Dichlorobenzidine	U	0.01	mg/L		0.01	SW846-8270 M
3-Nitrobenzenamine	U	0.01	mg/L		0.01	SW846-8270 M

## 004-028

## ERI99-W3-4

## WAG 3 - SWMU 4

4-Bromophenyl phenyl ether	U	0.01	mg/L	0.01	SW846-8270 M
4-Chloro-3-methylphenol	U	0.01	mg/L	0.01	SW846-8270 M
4-Chlorobenzeneamine	U	0.01	mg/L	0.01	SW846-8270 M
4-Chlorophenyl phenyl ether	U	0.01	mg/L	0.01	SW846-8270 M
4-Methylphenol	U	0.01	mg/L	0.01	SW846-8270 M
4-Nitrobenzenamine	U	0.01	mg/L	0.01	SW846-8270 M
4-Nitrophenol	U	0.01	mg/L	0.01	SW846-8270 M
Acenaphthene	U	0.01	mg/L	0.01	SW846-8270 M
Acenaphthylene	U	0.01	mg/L	0.01	SW846-8270 M
Anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Benz(a)anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(a)pyrene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(b)fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(ghi)perylene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(k)fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroethoxy)methane	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroethyl) ether	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroisopropyl) ether	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-ethylhexyl)phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Carbazole	U	0.01	mg/L	0.01	SW846-8270 M
Chrysene	U	0.01	mg/L	0.01	SW846-8270 M
Dibenz(a,h)anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Dibenzofuran	U	0.01	mg/L	0.01	SW846-8270 M
Diethyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Dimethyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Di-n-butyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Di-n-octylphthalate	U	0.01	mg/L	0.01	SW846-8270 M
Fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Fluorene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorobenzene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorobutadiene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorocyclopentadiene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachloroethane	U	0.01	mg/L	0.01	SW846-8270 M
Indeno(1,2,3-cd)pyrene	U	0.01	mg/L	0.01	SW846-8270 M
Isophorone	U	0.01	mg/L	0.01	SW846-8270 M
Naphthalene	U	0.01	mg/L	0.01	SW846-8270 M
Nitrobenzene	U	0.01	mg/L	0.01	SW846-8270 M
N-Nitroso-di-n-propylamine	U	0.01	mg/L	0.01	SW846-8270 M
N-Nitrosodiphenylamine	U	0.01	mg/L	0.01	SW846-8270 M
Pentachlorophenol	U	0.01	mg/L	0.01	SW846-8270 M
Phenanthrene	U	0.01	mg/L	0.01	SW846-8270 M
Phenol	U	0.01	mg/L	0.01	SW846-8270 M
Pyrene	U	0.01	mg/L	0.01	SW846-8270 M

## VOA

1,1,1-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,1,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2-Trichloroethane		0.006	mg/L	0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethene		0.0016	mg/L	0.001	SW846-8021 M
1,2-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dimethylbenzene	U	0.005	mg/L	0.005	SW846-8260
2-Butanone	JU	0.01	mg/L	0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	JU	0.01	mg/L	0.01	SW846-8260



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WAG 3 - SWMU 4

Acetone	JU	0.01	mg/L	0.01	SW846-8260
Benzene	UY	0.005	mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromoform	U	0.005	mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L	0.005	SW846-8260
Carbon tetrachloride		0.013	mg/L	0.005	SW846-8260
Chlorobenzene	UY	0.005	mg/L	0.005	SW846-8260
Chloroethane	U	0.005	mg/L	0.005	SW846-8260
Chloroform		0.048	mg/L	0.005	SW846-8260
Chloromethane	U	0.005	mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene		0.065	mg/L	0.001	SW846-8021 M
cis-1,2-Dichloroethene		0.085	mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L	0.005	SW846-8260
m,p-Xylene	U	0.01	mg/L	0.01	SW846-8260
Methylene chloride	U	0.01	mg/L	0.01	SW846-8260
Styrene	U	0.005	mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L	0.005	SW846-8260
Toluene	UY	0.005	mg/L	0.005	SW846-8260
trans-1,2-Dichloroethene		0.0082	mg/L	0.001	SW846-8021 M
trans-1,2-Dichloroethene	UX	0.005	mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Trichloroethene		2	mg/L	0.001	SW846-8021 M
Trichloroethene		2.1	mg/L	0.04	SW846-8260
Vinyl chloride	U	0.001	mg/L	0.001	SW846-8021 M
<b>WETCHEM</b>					
Cyanide	U	0.02	mg/L	0.02	SW846-9014

004028WA075-45

Collected: 9/3/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Arsenic		0.007	mg/L		0.005	SW846-7060
Barium		0.141	mg/L		0.05	SW846-6010A
Beryllium	BU	0.005	mg/L		0.005	SW846-6010A
Calcium		21.4	mg/L		0.5	SW846-6010A
Cobalt		0.013	mg/L		0.01	SW846-6010A
Iron		0.665	mg/L		0.2	SW846-6010A
Magnesium		8.35	mg/L		0.05	SW846-6010A
Manganese		2.03	mg/L		0.05	SW846-6010A
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Sodium		16.8	mg/L		2	SW846-6010A
Zinc	NU	0.2	mg/L		0.2	SW846-6010A

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**ERI99-W3-4**

**WAG 3 - SWMU 4**

**004028WA075-5**

Collected: 9/3/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Arsenic		0.006	mg/L		0.005	SW846-7060
Barium		0.158	mg/L		0.05	SW846-6010A
Beryllium	BU	0.005	mg/L		0.005	SW846-6010A
Calcium		21.8	mg/L		0.5	SW846-6010A
Cobalt	B	0.015	mg/L		0.01	SW846-6010A
Iron		0.552	mg/L		0.2	SW846-6010A
Magnesium		8.84	mg/L		0.05	SW846-6010A
Manganese		2.37	mg/L		0.05	SW846-6010A
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Sodium		17	mg/L		2	SW846-6010A
Zinc	BU	0.2	mg/L		0.2	SW846-6010A

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ERI99-W3-4

WAG 3 - SWMU 4

004028WA080

Collected: 9/3/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	N	1.86	mg/L		0.2	SW846-6010A
Arsenic	NW	0.012	mg/L		0.005	SW846-7060
Barium		0.144	mg/L		0.05	SW846-6010A
Beryllium	BU	0.005	mg/L		0.005	SW846-6010A
Cadmium	BU	0.01	mg/L		0.01	SW846-6010A
Calcium		23.5	mg/L		0.5	SW846-6010A
Chromium	U	0.05	mg/L		0.05	SW846-6010A
Cobalt	U	0.01	mg/L		0.01	SW846-6010A
Copper	BU	0.05	mg/L		0.05	SW846-6010A
Iron	N	11.5	mg/L		0.2	SW846-6010A
Magnesium		9.59	mg/L		0.05	SW846-6010A
Manganese	N	0.854	mg/L		0.05	SW846-6010A
Mercury	BUW	0.0002	mg/L		0.0002	SW846-7470
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Potassium	U	2	mg/L		2	SW846-6010A
Selenium	NUW	0.005	mg/L		0.005	SW846-7740
Silver	BU	0.05	mg/L		0.05	SW846-6010A
Sodium		16.9	mg/L		2	SW846-6010A
Thallium	NU	0.2	mg/L		0.2	SW846-6010A
Vanadium	U	0.1	mg/L		0.1	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A
<b>RADS</b>						
Alpha activity	A	0.44	pCi/L	0.19	3.32	EPA-900.0
Alpha activity	U	2.6	pCi/L	2	3.2	SW846-9310
Americium-241	A	-17.1	pCi/L	34.2	68.3	RL-7124
Beta activity		80.38	pCi/L	6.02	4.99	EPA-900.0
Beta activity		91.9	pCi/L	3.9	2.4	SW846-9310
Neptunium-237	A	6.67	pCi/L	13.3	52.8	RL-7124
Plutonium-239/240	A	0.0327	pCi/L	0.317	1.14	RL-7120
Technetium-99		146	pCi/L	13	14	DNT
Technetium-99	X	129	pCi/L	15.1	16.5	RL-7100
Thorium-234	A	-144	pCi/L	288	481	RL-7124
<b>SVOA</b>						
1,2,4-Trichlorobenzene	U	0.01	mg/L		0.01	SW846-8270
1,2,4-Trichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,2-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270
1,2-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,3-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,3-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270
1,4-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270
1,4-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
2,4,5-Trichlorophenol	U	0.01	mg/L		0.01	SW846-8270
2,4,5-Trichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4,6-Trichlorophenol	JUY	0.01	mg/L		0.01	SW846-8270
2,4,6-Trichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dichlorophenol	U	0.01	mg/L		0.01	SW846-8270
2,4-Dichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dimethylphenol	U	0.01	mg/L		0.01	SW846-8270
2,4-Dimethylphenol	U	0.01	mg/L		0.01	SW846-8270 M

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## ERI99-W3-4

## WAG 3 - SWMU 4

2,4-Dinitrophenol	U	0.01	mg/L	0.01	SW846-8270
2,4-Dinitrotoluene	U	0.01	mg/L	0.01	SW846-8270 M
2,4-Dinitrotoluene	U	0.01	mg/L	0.01	SW846-8270
2,6-Dinitrotoluene	U	0.01	mg/L	0.01	SW846-8270 M
2,6-Dinitrotoluene	U	0.01	mg/L	0.01	SW846-8270
2-Chloronaphthalene	U	0.01	mg/L	0.01	SW846-8270
2-Chloronaphthalene	U	0.01	mg/L	0.01	SW846-8270 M
2-Chlorophenol	U	0.01	mg/L	0.01	SW846-8270
2-Chlorophenol	U	0.01	mg/L	0.01	SW846-8270 M
2-Methyl-4,6-dinitrophenol	U	0.01	mg/L	0.01	SW846-8270 M
2-Methyl-4,6-dinitrophenol	U	0.01	mg/L	0.01	SW846-8270
2-Methylnaphthalene	U	0.01	mg/L	0.01	SW846-8270
2-Methylnaphthalene	U	0.01	mg/L	0.01	SW846-8270 M
2-Methylphenol	U	0.01	mg/L	0.01	SW846-8270 M
2-Methylphenol	U	0.01	mg/L	0.01	SW846-8270
2-Nitrobenzenamine	U	0.01	mg/L	0.01	SW846-8270 M
2-Nitrobenzenamine	U	0.01	mg/L	0.01	SW846-8270
2-Nitrophenol	U	0.01	mg/L	0.01	SW846-8270 M
2-Nitrophenol	U	0.01	mg/L	0.01	SW846-8270
3,3'-Dichlorobenzidine	U	0.01	mg/L	0.01	SW846-8270 M
3,3'-Dichlorobenzidine	U	0.01	mg/L	0.01	SW846-8270
3-Nitrobenzenamine	U	0.01	mg/L	0.01	SW846-8270 M
3-Nitrobenzenamine	U	0.01	mg/L	0.01	SW846-8270
4-Bromophenyl phenyl ether	U	0.01	mg/L	0.01	SW846-8270
4-Bromophenyl phenyl ether	U	0.01	mg/L	0.01	SW846-8270 M
4-Chloro-3-methylphenol	U	0.01	mg/L	0.01	SW846-8270
4-Chloro-3-methylphenol	U	0.01	mg/L	0.01	SW846-8270 M
4-Chlorobenzenamine	U	0.01	mg/L	0.01	SW846-8270 M
4-Chlorobenzenamine	U	0.01	mg/L	0.01	SW846-8270
4-Chlorophenyl phenyl ether	U	0.01	mg/L	0.01	SW846-8270
4-Chlorophenyl phenyl ether	U	0.01	mg/L	0.01	SW846-8270 M
4-Methylphenol	U	0.01	mg/L	0.01	SW846-8270 M
4-Methylphenol	U	0.01	mg/L	0.01	SW846-8270
4-Nitrobenzenamine	U	0.01	mg/L	0.01	SW846-8270 M
4-Nitrobenzenamine	U	0.01	mg/L	0.01	SW846-8270
4-Nitrophenol	U	0.01	mg/L	0.01	SW846-8270 M
4-Nitrophenol	U	0.01	mg/L	0.01	SW846-8270
Acenaphthene	U	0.01	mg/L	0.01	SW846-8270 M
Acenaphthene	U	0.01	mg/L	0.01	SW846-8270
Acenaphthylene	U	0.01	mg/L	0.01	SW846-8270
Acenaphthylene	U	0.01	mg/L	0.01	SW846-8270 M
Anthracene	U	0.01	mg/L	0.01	SW846-8270
Anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Benz(a)anthracene	U	0.01	mg/L	0.01	SW846-8270
Benz(a)anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(a)pyrene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(a)pyrene	U	0.01	mg/L	0.01	SW846-8270
Benzo(b)fluoranthene	U	0.01	mg/L	0.01	SW846-8270
Benzo(b)fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(ghi)perylene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(ghi)perylene	U	0.01	mg/L	0.01	SW846-8270
Benzo(k)fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(k)fluoranthene	U	0.01	mg/L	0.01	SW846-8270
Bis(2-chloroethoxy)methane	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroethoxy)methane	U	0.01	mg/L	0.01	SW846-8270

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## ERI99-W3-4

## WAG 3 - SWMU 4

Bis(2-chloroethyl) ether	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroethyl) ether	U	0.01	mg/L	0.01	SW846-8270
Bis(2-chloroisopropyl) ether	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroisopropyl) ether	U	0.01	mg/L	0.01	SW846-8270
Bis(2-ethylhexyl)phthalate	U	0.01	mg/L	0.01	SW846-8270
Bis(2-ethylhexyl)phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Butyl benzyl phthalate	U	0.01	mg/L	0.01	SW846-8270
Carbazole	U	0.01	mg/L	0.01	SW846-8270
Carbazole	U	0.01	mg/L	0.01	SW846-8270 M
Chrysene	U	0.01	mg/L	0.01	SW846-8270 M
Chrysene	U	0.01	mg/L	0.01	SW846-8270
Dibenz(a,h)anthracene	U	0.01	mg/L	0.01	SW846-8270
Dibenz(a,h)anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Dibenzofuran	U	0.01	mg/L	0.01	SW846-8270 M
Dibenzofuran	U	0.01	mg/L	0.01	SW846-8270
Diethyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Diethyl phthalate	U	0.01	mg/L	0.01	SW846-8270
Dimethyl phthalate	U	0.01	mg/L	0.01	SW846-8270
Dimethyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Di-n-butyl phthalate	U	0.01	mg/L	0.01	SW846-8270
Di-n-butyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Di-n-octylphthalate	U	0.01	mg/L	0.01	SW846-8270
Di-n-octylphthalate	U	0.01	mg/L	0.01	SW846-8270 M
Fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Fluoranthene	U	0.01	mg/L	0.01	SW846-8270
Fluorene	U	0.01	mg/L	0.01	SW846-8270 M
Fluorene	U	0.01	mg/L	0.01	SW846-8270
Hexachlorobenzene	U	0.01	mg/L	0.01	SW846-8270
Hexachlorobenzene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorobutadiene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorobutadiene	U	0.01	mg/L	0.01	SW846-8270
Hexachlorocyclopentadiene	U	0.01	mg/L	0.01	SW846-8270
Hexachlorocyclopentadiene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachloroethane	U	0.01	mg/L	0.01	SW846-8270 M
Hexachloroethane	U	0.01	mg/L	0.01	SW846-8270
Indeno(1,2,3-cd)pyrene	U	0.01	mg/L	0.01	SW846-8270
Indeno(1,2,3-cd)pyrene	U	0.01	mg/L	0.01	SW846-8270 M
Isophorone	U	0.01	mg/L	0.01	SW846-8270 M
Isophorone	U	0.01	mg/L	0.01	SW846-8270
Naphthalene	U	0.01	mg/L	0.01	SW846-8270
Naphthalene	U	0.01	mg/L	0.01	SW846-8270 M
Nitrobenzene	U	0.01	mg/L	0.01	SW846-8270 M
Nitrobenzene	U	0.01	mg/L	0.01	SW846-8270
N-Nitroso-di-n-propylamine	U	0.01	mg/L	0.01	SW846-8270
N-Nitroso-di-n-propylamine	U	0.01	mg/L	0.01	SW846-8270 M
N-Nitrosodiphenylamine	U	0.01	mg/L	0.01	SW846-8270
N-Nitrosodiphenylamine	U	0.01	mg/L	0.01	SW846-8270 M
Pentachlorophenol	JUY	0.01	mg/L	0.01	SW846-8270
Pentachlorophenol	U	0.01	mg/L	0.01	SW846-8270 M
Phenanthrene	U	0.01	mg/L	0.01	SW846-8270
Phenanthrene	U	0.01	mg/L	0.01	SW846-8270 M
Phenol	U	0.01	mg/L	0.01	SW846-8270 M
Phenol	U	0.01	mg/L	0.01	SW846-8270
Pyrene	U	0.01	mg/L	0.01	SW846-8270 M
Pyrene	U	0.01	mg/L	0.01	SW846-8270

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WAG 3 - SWMU 4

Pyridine	UY	0.01	mg/L	0.01	SW846-8270
<b>VOA</b>					
1,1-Dichloroethene		0.012	mg/L	0.001	SW846-8021 M
cis-1,2-Dichloroethene		0.11	mg/L	0.001	SW846-8021 M
trans-1,2-Dichloroethene		0.013	mg/L	0.001	SW846-8021 M
Trichloroethene		3.7	mg/L	0.001	SW846-8021 M
Vinyl chloride	U	0.001	mg/L	0.001	SW846-8021 M
<b>WETCHEM</b>					
Cyanide	U	0.02	mg/L	0.02	SW846-9014

004028WA080-45

Collected: 9/3/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Arsenic		0.011	mg/L		0.005	SW846-7060
Barium		0.087	mg/L		0.05	SW846-6010A
Calcium		22.9	mg/L		0.5	SW846-6010A
Iron		1.18	mg/L		0.2	SW846-6010A
Magnesium		9.29	mg/L		0.05	SW846-6010A
Manganese		0.462	mg/L		0.05	SW846-6010A
Sodium		16.9	mg/L		2	SW846-6010A

004028WA080-5

Collected: 9/3/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Arsenic		0.011	mg/L		0.005	SW846-7060
Barium		0.091	mg/L		0.05	SW846-6010A
Calcium		23.4	mg/L		0.5	SW846-6010A
Iron		1.23	mg/L		0.2	SW846-6010A
Magnesium		9.83	mg/L		0.05	SW846-6010A
Manganese		0.446	mg/L		0.05	SW846-6010A
Sodium		16.8	mg/L		2	SW846-6010A

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**004-028**

**ERI99-W3-4**

**WAG 3 - SWMU 4**

**004028WA085**

Collected: 9/7/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		36.6	mg/L		2	SW846-9056
Fluoride		0.15	mg/L		0.1	EPA-340.2
Nitrate	U	4	mg/L		4	SW846-9056
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Orthophosphate	U	6	mg/L		6	SW846-9056
Sulfate		7.3	mg/L		5	SW846-9056
<b>METAL</b>						
Aluminum	N	3.09	mg/L		0.2	SW846-6010A
Arsenic	NW	0.009	mg/L		0.005	SW846-7060
Barium		1.02	mg/L		0.05	SW846-6010A
Beryllium	BU	0.005	mg/L		0.005	SW846-6010A
Cadmium	BU	0.01	mg/L		0.01	SW846-6010A
Calcium		23.5	mg/L		0.5	SW846-6010A
Chromium	U	0.05	mg/L		0.05	SW846-6010A
Cobalt		0.095	mg/L		0.01	SW846-6010A
Copper	BU	0.05	mg/L		0.05	SW846-6010A
Iron	N	102	mg/L		0.2	SW846-6010A
Magnesium		9.05	mg/L		0.05	SW846-6010A
Manganese	N	7.89	mg/L		0.05	SW846-6010A
Mercury	BUW	0.0002	mg/L		0.0002	SW846-7470
Nickel		0.059	mg/L		0.05	SW846-6010A
Potassium	U	2	mg/L		2	SW846-6010A
Selenium	NUW	0.005	mg/L		0.005	SW846-7740
Silver	BU	0.05	mg/L		0.05	SW846-6010A
Sodium		16.1	mg/L		2	SW846-6010A
Thallium	NU	0.2	mg/L		0.2	SW846-6010A
Vanadium	U	0.1	mg/L		0.1	SW846-6010A
Zinc		0.237	mg/L		0.2	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		161	mg/L		100	EPA-160.2
pH	J	6.51	none			SW846-9040
Redox		163	mV			SM-2580-B
<b>RADS</b>						
Alpha activity	U	2.7	pCi/L	1.9	3.1	SW846-9310
Beta activity		27.9	pCi/L	2.6	2.8	SW846-9310
Technetium-99		52	pCi/L	10	15	DNT
<b>SVOA</b>						
1,2,4-Trichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,2-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,3-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,4-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
2,4,5-Trichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4,6-Trichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dimethylphenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dinitrophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dinitrotoluene	U	0.01	mg/L		0.01	SW846-8270 M
2,6-Dinitrotoluene	U	0.01	mg/L		0.01	SW846-8270 M
2-Chloronaphthalene	U	0.01	mg/L		0.01	SW846-8270 M

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## ERI99-W3-4

## WAG 3 - SWMU 4

2-Chlorophenol	U	0.01	mg/L	0.01	SW846-8270 M
2-Methyl-4,6-dinitrophenol	U	0.01	mg/L	0.01	SW846-8270 M
2-Methylnaphthalene	U	0.01	mg/L	0.01	SW846-8270 M
2-Methylphenol	U	0.01	mg/L	0.01	SW846-8270 M
2-Nitrobenzenamine	U	0.01	mg/L	0.01	SW846-8270 M
2-Nitrophenol	U	0.01	mg/L	0.01	SW846-8270 M
3,3'-Dichlorobenzidine	U	0.01	mg/L	0.01	SW846-8270 M
3-Nitrobenzenamine	U	0.01	mg/L	0.01	SW846-8270 M
4-Bromophenyl phenyl ether	U	0.01	mg/L	0.01	SW846-8270 M
4-Chloro-3-methylphenol	U	0.01	mg/L	0.01	SW846-8270 M
4-Chlorobenzenamine	U	0.01	mg/L	0.01	SW846-8270 M
4-Chlorophenyl phenyl ether	U	0.01	mg/L	0.01	SW846-8270 M
4-Methylphenol	U	0.01	mg/L	0.01	SW846-8270 M
4-Nitrobenzenamine	U	0.01	mg/L	0.01	SW846-8270 M
4-Nitrophenol	U	0.01	mg/L	0.01	SW846-8270 M
Acenaphthene	U	0.01	mg/L	0.01	SW846-8270 M
Acenaphthylene	U	0.01	mg/L	0.01	SW846-8270 M
Anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Benz(a)anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(a)pyrene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(b)fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(ghi)perylene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(k)fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroethoxy)methane	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroethyl) ether	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroisopropyl) ether	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-ethylhexyl)phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Butyl benzyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Carbazole	U	0.01	mg/L	0.01	SW846-8270 M
Chrysene	U	0.01	mg/L	0.01	SW846-8270 M
Dibenz(a,h)anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Dibenzofuran	U	0.01	mg/L	0.01	SW846-8270 M
Diethyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Dimethyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Di-n-butyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Di-n-octylphthalate	U	0.01	mg/L	0.01	SW846-8270 M
Fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Fluorene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorobenzene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorobutadiene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorocyclopentadiene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachloroethane	U	0.01	mg/L	0.01	SW846-8270 M
Indeno(1,2,3-cd)pyrene	U	0.01	mg/L	0.01	SW846-8270 M
Isophorone	U	0.01	mg/L	0.01	SW846-8270 M
Naphthalene	U	0.01	mg/L	0.01	SW846-8270 M
Nitrobenzene	U	0.01	mg/L	0.01	SW846-8270 M
N-Nitroso-di-n-propylamine	U	0.01	mg/L	0.01	SW846-8270 M
N-Nitrosodiphenylamine	U	0.01	mg/L	0.01	SW846-8270 M
Pentachlorophenol	U	0.01	mg/L	0.01	SW846-8270 M
Phenanthrene	U	0.01	mg/L	0.01	SW846-8270 M
Phenol	U	0.01	mg/L	0.01	SW846-8270 M
Pyrene	U	0.01	mg/L	0.01	SW846-8270 M
<b>VOA</b>					
1,1-Dichloroethene		0.021	mg/L	0.001	SW846-8021 M
cis-1,2-Dichloroethene		0.1	mg/L	0.001	SW846-8021 M



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WAG 3 - SWMU 4

trans-1,2-Dichloroethene		0.012	mg/L	0.001	SW846-8021 M
Trichloroethene		2	mg/L	0.001	SW846-8021 M
Vinyl chloride	J	0.0008	mg/L	0.001	SW846-8021 M
<b>WETCHEM</b>					
Alkalinity		84	mg/L	10	EPA-310.1
Ammonia	U	0.2	mg/L	0.2	EPA-350.2
Bicarbonate as CaCO3		75	mg/L	10	SM-2320 B 17
Carbonate as CaCO3	U	10	mg/L	10	SM-2320 B 17
Chemical Oxygen Demand (COD)	JU	25	mg/L	25	EPA-410.4 1978
Cyanide	U	0.02	mg/L	0.02	SW846-9014
Phosphate as Phosphorous	U	2	mg/L	2	SW846-9056
Silica	J	18	mg/L	1	EPA-370.1
Suspended Solids		276	mg/L	10	EPA-160.1
Total Organic Carbon (TOC)		1.1	mg/L	1	SW846-9060
Turbidity		32	NTU	0.5	EPA-180.1 1978

004028WA085-45

Collected: 9/7/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Arsenic		0.009	mg/L		0.005	SW846-7060
Barium		0.619	mg/L		0.05	SW846-6010A
Calcium		23.9	mg/L		0.5	SW846-6010A
Cobalt		0.028	mg/L		0.01	SW846-6010A
Iron	BU	0.2	mg/L		0.2	SW846-6010A
Magnesium		8.41	mg/L		0.05	SW846-6010A
Manganese		4.58	mg/L		0.05	SW846-6010A
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Sodium		16	mg/L		2	SW846-6010A
Zinc	NU	0.2	mg/L		0.2	SW846-6010A

004028WA085-5

Collected: 9/7/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Arsenic		0.009	mg/L		0.005	SW846-7060
Barium		0.624	mg/L		0.05	SW846-6010A
Calcium		24.8	mg/L		0.5	SW846-6010A
Cobalt	B	0.032	mg/L		0.01	SW846-6010A
Iron	U	0.2	mg/L		0.2	SW846-6010A
Magnesium		9.97	mg/L		0.05	SW846-6010A
Manganese		4.58	mg/L		0.05	SW846-6010A
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Sodium		16.2	mg/L		2	SW846-6010A
Zinc	BU	0.2	mg/L		0.2	SW846-6010A

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ERI99-W3-4

WAG 3 - SWMU 4

004028WA090

Collected: 9/7/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	N	3.89	mg/L		0.2	SW846-6010A
Arsenic	NW	0.013	mg/L		0.005	SW846-7060
Barium		0.259	mg/L		0.05	SW846-6010A
Beryllium	BU	0.005	mg/L		0.005	SW846-6010A
Cadmium	BU	0.01	mg/L		0.01	SW846-6010A
Calcium		22.7	mg/L		0.5	SW846-6010A
Chromium	U	0.05	mg/L		0.05	SW846-6010A
Cobalt		0.026	mg/L		0.01	SW846-6010A
Copper	BU	0.05	mg/L		0.05	SW846-6010A
Iron	N	33.3	mg/L		0.2	SW846-6010A
Magnesium		9.19	mg/L		0.05	SW846-6010A
Manganese	N	1.1	mg/L		0.05	SW846-6010A
Mercury	BUW	0.0002	mg/L		0.0002	SW846-7470
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Potassium	U	2	mg/L		2	SW846-6010A
Selenium	NUW	0.005	mg/L		0.005	SW846-7740
Silver	BU	0.05	mg/L		0.05	SW846-6010A
Sodium		15.5	mg/L		2	SW846-6010A
Thallium	NU	0.2	mg/L		0.2	SW846-6010A
Vanadium	U	0.1	mg/L		0.1	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A
<b>RADS</b>						
Alpha activity	U	1.6	pCi/L	1.2	1.8	SW846-9310
Beta activity		17.1	pCi/L	2.1	2.5	SW846-9310
Technetium-99		28	pCi/L	9.7	15	DNT
<b>SVOA</b>						
1,2,4-Trichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,2-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,3-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,4-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
2,4,5-Trichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4,6-Trichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dimethylphenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dinitrotoluene	U	0.01	mg/L		0.01	SW846-8270 M
2,6-Dinitrotoluene	U	0.01	mg/L		0.01	SW846-8270 M
2-Chloronaphthalene	U	0.01	mg/L		0.01	SW846-8270 M
2-Chlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Methyl-4,6-dinitrophenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Methylnaphthalene	U	0.01	mg/L		0.01	SW846-8270 M
2-Methylphenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Nitrobenzenamine	U	0.01	mg/L		0.01	SW846-8270 M
2-Nitrophenol	U	0.01	mg/L		0.01	SW846-8270 M
3,3'-Dichlorobenzidine	U	0.01	mg/L		0.01	SW846-8270 M
3-Nitrobenzenamine	U	0.01	mg/L		0.01	SW846-8270 M
4-Bromophenyl phenyl ether	U	0.01	mg/L		0.01	SW846-8270 M
4-Chloro-3-methylphenol	U	0.01	mg/L		0.01	SW846-8270 M
4-Chlorobenzenamine	U	0.01	mg/L		0.01	SW846-8270 M
4-Chlorophenyl phenyl ether	U	0.01	mg/L		0.01	SW846-8270 M

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## ERI99-W3-4

## WAG 3 - SWMU 4

4-Methylphenol	U	0.01	mg/L	0.01	SW846-8270 M
4-Nitrobenzenamine	U	0.01	mg/L	0.01	SW846-8270 M
4-Nitrophenol	U	0.01	mg/L	0.01	SW846-8270 M
Acenaphthene	U	0.01	mg/L	0.01	SW846-8270 M
Acenaphthylene	U	0.01	mg/L	0.01	SW846-8270 M
Anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Benz(a)anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(a)pyrene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(b)fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(ghi)perylene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(k)fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroethoxy)methane	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroethyl) ether	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroisopropyl) ether	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-ethylhexyl)phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Carbazole	U	0.01	mg/L	0.01	SW846-8270 M
Chrysene	U	0.01	mg/L	0.01	SW846-8270 M
Dibenz(a,h)anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Dibenzofuran	U	0.01	mg/L	0.01	SW846-8270 M
Diethyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Dimethyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Di-n-butyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Di-n-octylphthalate	U	0.01	mg/L	0.01	SW846-8270 M
Fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Fluorene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorobenzene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorobutadiene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorocyclopentadiene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachloroethane	U	0.01	mg/L	0.01	SW846-8270 M
Indeno(1,2,3-cd)pyrene	U	0.01	mg/L	0.01	SW846-8270 M
Isophorone	U	0.01	mg/L	0.01	SW846-8270 M
Naphthalene	U	0.01	mg/L	0.01	SW846-8270 M
Nitrobenzene	U	0.01	mg/L	0.01	SW846-8270 M
N-Nitroso-di-n-propylamine	U	0.01	mg/L	0.01	SW846-8270 M
N-Nitrosodiphenylamine	U	0.01	mg/L	0.01	SW846-8270 M
Pentachlorophenol	U	0.01	mg/L	0.01	SW846-8270 M
Phenanthrene	U	0.01	mg/L	0.01	SW846-8270 M
Phenol	U	0.01	mg/L	0.01	SW846-8270 M
Pyrene	U	0.01	mg/L	0.01	SW846-8270 M
<b>VOA</b>					
1,1-Dichloroethene		0.021	mg/L	0.001	SW846-8021 M
cis-1,2-Dichloroethene		0.17	mg/L	0.001	SW846-8021 M
trans-1,2-Dichloroethene		0.013	mg/L	0.001	SW846-8021 M
Trichloroethene		2.1	mg/L	0.001	SW846-8021 M
Vinyl chloride	J	0.0004	mg/L	0.001	SW846-8021 M
<b>WETCHEM</b>					
Cyanide	U	0.02	mg/L	0.02	SW846-9014

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ERI99-W3-4

WAG 3 - SWMU 4

004028WA090-45

Collected: 9/7/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Arsenic		0.011	mg/L		0.005	SW846-7060
Barium		0.135	mg/L		0.05	SW846-6010A
Calcium		22.2	mg/L		0.5	SW846-6010A
Cobalt		0.012	mg/L		0.01	SW846-6010A
Iron		1.1	mg/L		0.2	SW846-6010A
Magnesium		8.84	mg/L		0.05	SW846-6010A
Manganese		0.451	mg/L		0.05	SW846-6010A
Sodium		15.7	mg/L		2	SW846-6010A

004028WA090-5

Collected: 9/7/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Arsenic		0.011	mg/L		0.005	SW846-7060
Barium		0.155	mg/L		0.05	SW846-6010A
Calcium		23.1	mg/L		0.5	SW846-6010A
Cobalt	B	0.017	mg/L		0.01	SW846-6010A
Iron		1.18	mg/L		0.2	SW846-6010A
Magnesium		9.4	mg/L		0.05	SW846-6010A
Manganese		0.539	mg/L		0.05	SW846-6010A
Sodium		15.8	mg/L		2	SW846-6010A

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**004-028**

**ERI99-W3-4**

**WAG 3 - SWMU 4**

**004028WA095**

Collected: 9/7/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	N	7.98	mg/L		0.2	SW846-6010A
Barium		0.241	mg/L		0.05	SW846-6010A
Beryllium	BU	0.005	mg/L		0.005	SW846-6010A
Cadmium	BU	0.01	mg/L		0.01	SW846-6010A
Calcium		17.8	mg/L		0.5	SW846-6010A
Chromium	U	0.05	mg/L		0.05	SW846-6010A
Cobalt		0.037	mg/L		0.01	SW846-6010A
Copper	BU	0.05	mg/L		0.05	SW846-6010A
Iron	N	37.9	mg/L		0.2	SW846-6010A
Magnesium		7.56	mg/L		0.05	SW846-6010A
Manganese	N	0.823	mg/L		0.05	SW846-6010A
Mercury	BUW	0.0002	mg/L		0.0002	SW846-7470
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Potassium	U	2	mg/L		2	SW846-6010A
Selenium	NUW	0.005	mg/L		0.005	SW846-7740
Silver	BU	0.05	mg/L		0.05	SW846-6010A
Sodium		12.6	mg/L		2	SW846-6010A
Thallium	NU	0.2	mg/L		0.2	SW846-6010A
Vanadium	U	0.1	mg/L		0.1	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A
<b>RADS</b>						
Alpha activity		3.3	pCi/L	1.5	2.1	SW846-9310
Beta activity		7.5	pCi/L	1.8	2.5	SW846-9310
Technetium-99	U	14.9	pCi/L	9.2	15	DNT
<b>SVOA</b>						
1,2,4-Trichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,2-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,3-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,4-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
2,4,5-Trichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4,6-Trichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dimethylphenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dinitrotoluene	U	0.01	mg/L		0.01	SW846-8270 M
2,6-Dinitrotoluene	U	0.01	mg/L		0.01	SW846-8270 M
2-Chloronaphthalene	U	0.01	mg/L		0.01	SW846-8270 M
2-Chlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Methyl-4,6-dinitrophenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Methylnaphthalene	U	0.01	mg/L		0.01	SW846-8270 M
2-Methylphenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Nitrobenzenamine	U	0.01	mg/L		0.01	SW846-8270 M
2-Nitrophenol	U	0.01	mg/L		0.01	SW846-8270 M
3,3'-Dichlorobenzidine	U	0.01	mg/L		0.01	SW846-8270 M
3-Nitrobenzenamine	U	0.01	mg/L		0.01	SW846-8270 M
4-Bromophenyl phenyl ether	U	0.01	mg/L		0.01	SW846-8270 M
4-Chloro-3-methylphenol	U	0.01	mg/L		0.01	SW846-8270 M
4-Chlorobenzenamine	U	0.01	mg/L		0.01	SW846-8270 M
4-Chlorophenyl phenyl ether	U	0.01	mg/L		0.01	SW846-8270 M
4-Methylphenol	U	0.01	mg/L		0.01	SW846-8270 M

## 004-028

## ERI99-W3-4

## WAG 3 - SWMU 4

4-Nitrobenzenamine	U	0.01	mg/L	0.01	SW846-8270 M
4-Nitrophenol	U	0.01	mg/L	0.01	SW846-8270 M
Acenaphthene	U	0.01	mg/L	0.01	SW846-8270 M
Acenaphthylene	U	0.01	mg/L	0.01	SW846-8270 M
Anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Benz(a)anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(a)pyrene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(b)fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(ghi)perylene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(k)fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroethoxy)methane	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroethyl) ether	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroisopropyl) ether	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-ethylhexyl)phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Carbazole	U	0.01	mg/L	0.01	SW846-8270 M
Chrysene	U	0.01	mg/L	0.01	SW846-8270 M
Dibenz(a,h)anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Dibenzofuran	U	0.01	mg/L	0.01	SW846-8270 M
Diethyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Dimethyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Di-n-butyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Di-n-octylphthalate	U	0.01	mg/L	0.01	SW846-8270 M
Fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Fluorene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorobenzene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorobutadiene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorocyclopentadiene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachloroethane	U	0.01	mg/L	0.01	SW846-8270 M
Indeno(1,2,3-cd)pyrene	U	0.01	mg/L	0.01	SW846-8270 M
Isophorone	U	0.01	mg/L	0.01	SW846-8270 M
Naphthalene	U	0.01	mg/L	0.01	SW846-8270 M
Nitrobenzene	U	0.01	mg/L	0.01	SW846-8270 M
N-Nitroso-di-n-propylamine	U	0.01	mg/L	0.01	SW846-8270 M
N-Nitrosodiphenylamine	U	0.01	mg/L	0.01	SW846-8270 M
Pentachlorophenol	U	0.01	mg/L	0.01	SW846-8270 M
Phenanthrene	U	0.01	mg/L	0.01	SW846-8270 M
Phenol	U	0.01	mg/L	0.01	SW846-8270 M
Pyrene	U	0.01	mg/L	0.01	SW846-8270 M
<b>VOA</b>					
1,1-Dichloroethene		0.0019	mg/L	0.001	SW846-8021 M
cis-1,2-Dichloroethene		0.0089	mg/L	0.001	SW846-8021 M
trans-1,2-Dichloroethene	J	0.0006	mg/L	0.001	SW846-8021 M
Trichloroethene		0.18	mg/L	0.001	SW846-8021 M
Vinyl chloride	U	0.001	mg/L	0.001	SW846-8021 M
<b>WETCHEM</b>					
Cyanide	U	0.02	mg/L	0.02	SW846-9014

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ERI99-W3-4

WAG 3 - SWMU 4

004028WA095-45

Collected: 9/7/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium		0.214	mg/L		0.05	SW846-6010A
Calcium		18.1	mg/L		0.5	SW846-6010A
Cobalt		0.03	mg/L		0.01	SW846-6010A
Iron	BU	0.2	mg/L		0.2	SW846-6010A
Magnesium		7.38	mg/L		0.05	SW846-6010A
Manganese		0.939	mg/L		0.05	SW846-6010A
Sodium		13.7	mg/L		2	SW846-6010A

004028WA095-5

Collected: 9/7/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium		0.225	mg/L		0.05	SW846-6010A
Calcium		18.5	mg/L		0.5	SW846-6010A
Cobalt	B	0.032	mg/L		0.01	SW846-6010A
Iron	U	0.2	mg/L		0.2	SW846-6010A
Magnesium		7.78	mg/L		0.05	SW846-6010A
Manganese		0.943	mg/L		0.05	SW846-6010A
Sodium		13.7	mg/L		2	SW846-6010A

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ERI99-W3-4

WAG 3 - SWMU 4

004028WA100

Collected: 9/7/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	N	36.5	mg/L		0.2	SW846-6010A
Barium		0.495	mg/L		0.05	SW846-6010A
Beryllium	B	0.006	mg/L		0.005	SW846-6010A
Cadmium	BU	0.01	mg/L		0.01	SW846-6010A
Calcium		21.6	mg/L		0.5	SW846-6010A
Chromium		0.102	mg/L		0.05	SW846-6010A
Cobalt		0.12	mg/L		0.01	SW846-6010A
Copper	BU	0.05	mg/L		0.05	SW846-6010A
Iron	N	178	mg/L		0.2	SW846-6010A
Magnesium		12.8	mg/L		0.05	SW846-6010A
Manganese	N	2.1	mg/L		0.05	SW846-6010A
Mercury	BUW	0.0002	mg/L		0.0002	SW846-7470
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Potassium		4.28	mg/L		2	SW846-6010A
Selenium	NUW	0.005	mg/L		0.005	SW846-7740
Silver	BU	0.05	mg/L		0.05	SW846-6010A
Sodium		14.1	mg/L		2	SW846-6010A
Thallium	NU	0.2	mg/L		0.2	SW846-6010A
Vanadium		0.112	mg/L		0.1	SW846-6010A
Zinc		0.255	mg/L		0.2	SW846-6010A
<b>RADS</b>						
Alpha activity		3.6	pCi/L	1.4	1.8	SW846-9310
Beta activity		5.2	pCi/L	1.7	2.5	SW846-9310
Technetium-99	U	5.1	pCi/L	8.8	15	DNT
<b>SVOA</b>						
1,2,4-Trichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,2-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,3-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,4-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
2,4,5-Trichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4,6-Trichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dimethylphenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dinitrotoluene	U	0.01	mg/L		0.01	SW846-8270 M
2,6-Dinitrotoluene	U	0.01	mg/L		0.01	SW846-8270 M
2-Chloronaphthalene	U	0.01	mg/L		0.01	SW846-8270 M
2-Chlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Methyl-4,6-dinitrophenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Methylnaphthalene	U	0.01	mg/L		0.01	SW846-8270 M
2-Methylphenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Nitrobenzenamine	U	0.01	mg/L		0.01	SW846-8270 M
2-Nitrophenol	U	0.01	mg/L		0.01	SW846-8270 M
3,3'-Dichlorobenzidine	U	0.01	mg/L		0.01	SW846-8270 M
3-Nitrobenzenamine	U	0.01	mg/L		0.01	SW846-8270 M
4-Bromophenyl phenyl ether	U	0.01	mg/L		0.01	SW846-8270 M
4-Chloro-3-methylphenol	U	0.01	mg/L		0.01	SW846-8270 M
4-Chlorobenzenamine	U	0.01	mg/L		0.01	SW846-8270 M
4-Chlorophenyl phenyl ether	U	0.01	mg/L		0.01	SW846-8270 M
4-Methylphenol	U	0.01	mg/L		0.01	SW846-8270 M



## 004-028

## ERI99-W3-4

## WAG 3 - SWMU 4

4-Nitrobenzenamine	U	0.01	mg/L	0.01	SW846-8270 M
4-Nitrophenol	U	0.01	mg/L	0.01	SW846-8270 M
Acenaphthene	U	0.01	mg/L	0.01	SW846-8270 M
Acenaphthylene	U	0.01	mg/L	0.01	SW846-8270 M
Anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Benz(a)anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(a)pyrene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(b)fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(ghi)perylene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(k)fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroethoxy)methane	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroethyl) ether	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroisopropyl) ether	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-ethylhexyl)phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Carbazole	U	0.01	mg/L	0.01	SW846-8270 M
Chrysene	U	0.01	mg/L	0.01	SW846-8270 M
Dibenz(a,h)anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Dibenzofuran	U	0.01	mg/L	0.01	SW846-8270 M
Diethyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Dimethyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Di-n-butyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Di-n-octylphthalate	U	0.01	mg/L	0.01	SW846-8270 M
Fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Fluorene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorobenzene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorobutadiene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorocyclopentadiene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachloroethane	U	0.01	mg/L	0.01	SW846-8270 M
Indeno(1,2,3-cd)pyrene	U	0.01	mg/L	0.01	SW846-8270 M
Isophorone	U	0.01	mg/L	0.01	SW846-8270 M
Naphthalene	U	0.01	mg/L	0.01	SW846-8270 M
Nitrobenzene	U	0.01	mg/L	0.01	SW846-8270 M
N-Nitroso-di-n-propylamine	U	0.01	mg/L	0.01	SW846-8270 M
N-Nitrosodiphenylamine	U	0.01	mg/L	0.01	SW846-8270 M
Pentachlorophenol	U	0.01	mg/L	0.01	SW846-8270 M
Phenanthrene	U	0.01	mg/L	0.01	SW846-8270 M
Phenol	U	0.01	mg/L	0.01	SW846-8270 M
Pyrene	U	0.01	mg/L	0.01	SW846-8270 M
<b>VOA</b>					
1,1-Dichloroethene		0.0025	mg/L	0.001	SW846-8021 M
cis-1,2-Dichloroethene		0.011	mg/L	0.001	SW846-8021 M
trans-1,2-Dichloroethene		0.0015	mg/L	0.001	SW846-8021 M
Trichloroethene		0.13	mg/L	0.001	SW846-8021 M
Vinyl chloride	U	0.001	mg/L	0.001	SW846-8021 M
<b>WETCHEM</b>					
Cyanide	U	0.02	mg/L	0.02	SW846-9014

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ERI99-W3-4

WAG 3 - SWMU 4

004028WA100-45

Collected: 9/7/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium		0.197	mg/L		0.05	SW846-6010A
Beryllium	BU	0.005	mg/L		0.005	SW846-6010A
Calcium		17.4	mg/L		0.5	SW846-6010A
Chromium	BU	0.05	mg/L		0.05	SW846-6010A
Cobalt		0.022	mg/L		0.01	SW846-6010A
Iron	BU	0.2	mg/L		0.2	SW846-6010A
Magnesium		7.06	mg/L		0.05	SW846-6010A
Manganese		0.591	mg/L		0.05	SW846-6010A
Potassium	U	2	mg/L		2	SW846-6010A
Sodium		13.8	mg/L		2	SW846-6010A
Vanadium	U	0.1	mg/L		0.1	SW846-6010A
Zinc	NU	0.2	mg/L		0.2	SW846-6010A

004028WA100-5

Collected: 9/7/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium		0.222	mg/L		0.05	SW846-6010A
Beryllium	BU	0.005	mg/L		0.005	SW846-6010A
Calcium		18	mg/L		0.5	SW846-6010A
Chromium	BU	0.05	mg/L		0.05	SW846-6010A
Cobalt	B	0.03	mg/L		0.01	SW846-6010A
Iron		0.34	mg/L		0.2	SW846-6010A
Magnesium		7.46	mg/L		0.05	SW846-6010A
Manganese		0.71	mg/L		0.05	SW846-6010A
Potassium	U	2	mg/L		2	SW846-6010A
Sodium		13.8	mg/L		2	SW846-6010A
Vanadium	BU	0.1	mg/L		0.1	SW846-6010A
Zinc	BU	0.2	mg/L		0.2	SW846-6010A

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**004-028**

**ERI99-W3-4**

**WAG 3 - SWMU 4**

**004028WA105**

Collected: 9/8/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	N	8.5	mg/L		0.2	SW846-6010A
Barium		0.178	mg/L		0.05	SW846-6010A
Beryllium	BU	0.005	mg/L		0.005	SW846-6010A
Cadmium	BU	0.01	mg/L		0.01	SW846-6010A
Calcium		18.2	mg/L		0.5	SW846-6010A
Chromium	U	0.05	mg/L		0.05	SW846-6010A
Cobalt	U	0.01	mg/L		0.01	SW846-6010A
Copper	BU	0.05	mg/L		0.05	SW846-6010A
Iron	N	32.6	mg/L		0.2	SW846-6010A
Magnesium		7.56	mg/L		0.05	SW846-6010A
Manganese	N	0.325	mg/L		0.05	SW846-6010A
Mercury	BUW	0.0002	mg/L		0.0002	SW846-7470
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Potassium		2.36	mg/L		2	SW846-6010A
Selenium	NUW	0.005	mg/L		0.005	SW846-7740
Silver	BU	0.05	mg/L		0.05	SW846-6010A
Sodium		13.8	mg/L		2	SW846-6010A
Thallium	NU	0.2	mg/L		0.2	SW846-6010A
Vanadium	U	0.1	mg/L		0.1	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A
<b>RADS</b>						
Alpha activity		2.2	pCi/L	1.2	1.6	SW846-9310
Beta activity		3.5	pCi/L	1.7	2.6	SW846-9310
Technetium-99	U	-0.8	pCi/L	8.6	15	DNT
<b>SVOA</b>						
1,2,4-Trichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,2-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,3-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,4-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
2,4,5-Trichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4,6-Trichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dimethylphenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dinitrotoluene	U	0.01	mg/L		0.01	SW846-8270 M
2,6-Dinitrotoluene	U	0.01	mg/L		0.01	SW846-8270 M
2-Chloronaphthalene	U	0.01	mg/L		0.01	SW846-8270 M
2-Chlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Methyl-4,6-dinitrophenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Methylnaphthalene	U	0.01	mg/L		0.01	SW846-8270 M
2-Methylphenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Nitrobenzenamine	U	0.01	mg/L		0.01	SW846-8270 M
2-Nitrophenol	U	0.01	mg/L		0.01	SW846-8270 M
3,3'-Dichlorobenzidine	U	0.01	mg/L		0.01	SW846-8270 M
3-Nitrobenzenamine	U	0.01	mg/L		0.01	SW846-8270 M
4-Bromophenyl phenyl ether	U	0.01	mg/L		0.01	SW846-8270 M
4-Chloro-3-methylphenol	U	0.01	mg/L		0.01	SW846-8270 M
4-Chlorobenzenamine	U	0.01	mg/L		0.01	SW846-8270 M
4-Chlorophenyl phenyl ether	U	0.01	mg/L		0.01	SW846-8270 M
4-Methylphenol	U	0.01	mg/L		0.01	SW846-8270 M

## 004-028

## ERI99-W3-4

## WAG 3 - SWMU 4

4-Nitrobenzenamine	U	0.01	mg/L	0.01	SW846-8270 M
4-Nitrophenol	U	0.01	mg/L	0.01	SW846-8270 M
Acenaphthene	U	0.01	mg/L	0.01	SW846-8270 M
Acenaphthylene	U	0.01	mg/L	0.01	SW846-8270 M
Anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Benz(a)anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(a)pyrene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(b)fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(ghi)perylene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(k)fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroethoxy)methane	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroethyl) ether	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroisopropyl) ether	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-ethylhexyl)phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Carbazole	U	0.01	mg/L	0.01	SW846-8270 M
Chrysene	U	0.01	mg/L	0.01	SW846-8270 M
Dibenz(a,h)anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Dibenzofuran	U	0.01	mg/L	0.01	SW846-8270 M
Diethyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Dimethyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Di-n-butyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Di-n-octylphthalate	U	0.01	mg/L	0.01	SW846-8270 M
Fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Fluorene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorobenzene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorobutadiene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorocyclopentadiene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachloroethane	U	0.01	mg/L	0.01	SW846-8270 M
Indeno(1,2,3-cd)pyrene	U	0.01	mg/L	0.01	SW846-8270 M
Isophorone	U	0.01	mg/L	0.01	SW846-8270 M
Naphthalene	U	0.01	mg/L	0.01	SW846-8270 M
Nitrobenzene	U	0.01	mg/L	0.01	SW846-8270 M
N-Nitroso-di-n-propylamine	U	0.01	mg/L	0.01	SW846-8270 M
N-Nitrosodiphenylamine	U	0.01	mg/L	0.01	SW846-8270 M
Pentachlorophenol	U	0.01	mg/L	0.01	SW846-8270 M
Phenanthrene	U	0.01	mg/L	0.01	SW846-8270 M
Phenol	U	0.01	mg/L	0.01	SW846-8270 M
Pyrene	U	0.01	mg/L	0.01	SW846-8270 M
<b>VOA</b>					
1,1-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
cis-1,2-Dichloroethene	J	0.0003	mg/L	0.001	SW846-8021 M
trans-1,2-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
Trichloroethene		0.0103	mg/L	0.001	SW846-8021 M
Vinyl chloride	U	0.001	mg/L	0.001	SW846-8021 M
<b>WETCHEM</b>					
Cyanide	U	0.02	mg/L	0.02	SW846-9014

# Paducah-OREIS Data Report

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**004-028**

**ERI99-W3-4**

**WAG 3 - SWMU 4**

**004028WA105-45**

Collected: 9/8/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium		0.137	mg/L		0.05	SW846-6010A
Calcium		16.6	mg/L		0.5	SW846-6010A
Iron		1.11	mg/L		0.2	SW846-6010A
Magnesium		6.42	mg/L		0.05	SW846-6010A
Manganese		0.174	mg/L		0.05	SW846-6010A
Potassium	U	2	mg/L		2	SW846-6010A
Sodium		13.4	mg/L		2	SW846-6010A

**004028WA105-5**

Collected: 9/8/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium		0.152	mg/L		0.05	SW846-6010A
Calcium		17.4	mg/L		0.5	SW846-6010A
Iron		1.41	mg/L		0.2	SW846-6010A
Magnesium		6.86	mg/L		0.05	SW846-6010A
Manganese		0.24	mg/L		0.05	SW846-6010A
Potassium	U	2	mg/L		2	SW846-6010A
Sodium		13.8	mg/L		2	SW846-6010A

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**004-028**

**ERI99-W3-4**

**WAG 3 - SWMU 4**

**004028WA110**

Collected: 9/8/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	N	145	mg/L		0.2	SW846-6010A
Barium		1.17	mg/L		0.05	SW846-6010A
Beryllium	B	0.019	mg/L		0.005	SW846-6010A
Cadmium	B	0.024	mg/L		0.01	SW846-6010A
Calcium		60.6	mg/L		0.5	SW846-6010A
Chromium		0.35	mg/L		0.05	SW846-6010A
Cobalt		0.116	mg/L		0.01	SW846-6010A
Copper		0.167	mg/L		0.05	SW846-6010A
Iron	*N	1380	mg/L		2	SW846-6010A
Lead		0.804	mg/L		0.2	SW846-6010A
Magnesium		31.8	mg/L		0.05	SW846-6010A
Manganese	N	7.19	mg/L		0.05	SW846-6010A
Mercury	BW	0.001	mg/L		0.0002	SW846-7470
Nickel	*NU	0.5	mg/L		0.5	SW846-6010A
Potassium		18	mg/L		2	SW846-6010A
Selenium	NUW	0.005	mg/L		0.005	SW846-7740
Silver	BU	0.05	mg/L		0.05	SW846-6010A
Sodium		12.2	mg/L		2	SW846-6010A
Thallium	NU	0.2	mg/L		0.2	SW846-6010A
Vanadium		2.04	mg/L		0.1	SW846-6010A
Zinc		0.671	mg/L		0.2	SW846-6010A
<b>RADS</b>						
Alpha activity		2.8	pCi/L	1.1	1.3	SW846-9310
Beta activity		3.9	pCi/L	1.5	2.3	SW846-9310
Technetium-99	U	5.6	pCi/L	8.8	15	DNT
<b>SVOA</b>						
1,2,4-Trichlorobenzene	U	0.02	mg/L		0.02	SW846-8270 M
1,2-Dichlorobenzene	U	0.02	mg/L		0.02	SW846-8270 M
1,3-Dichlorobenzene	U	0.02	mg/L		0.02	SW846-8270 M
1,4-Dichlorobenzene	U	0.02	mg/L		0.02	SW846-8270 M
2,4,5-Trichlorophenol	U	0.02	mg/L		0.02	SW846-8270 M
2,4,6-Trichlorophenol	U	0.02	mg/L		0.02	SW846-8270 M
2,4-Dichlorophenol	U	0.02	mg/L		0.02	SW846-8270 M
2,4-Dimethylphenol	U	0.02	mg/L		0.02	SW846-8270 M
2,4-Dinitrophenol	U	0.02	mg/L		0.02	SW846-8270 M
2,4-Dinitrotoluene	U	0.02	mg/L		0.02	SW846-8270 M
2,6-Dinitrotoluene	U	0.02	mg/L		0.02	SW846-8270 M
2-Chloronaphthalene	U	0.02	mg/L		0.02	SW846-8270 M
2-Chlorophenol	U	0.02	mg/L		0.02	SW846-8270 M
2-Methyl-4,6-dinitrophenol	U	0.02	mg/L		0.02	SW846-8270 M
2-Methylnaphthalene	U	0.02	mg/L		0.02	SW846-8270 M
2-Methylphenol	U	0.02	mg/L		0.02	SW846-8270 M
2-Nitrobenzenamine	U	0.02	mg/L		0.02	SW846-8270 M
2-Nitrophenol	U	0.02	mg/L		0.02	SW846-8270 M
3,3'-Dichlorobenzidine	U	0.02	mg/L		0.02	SW846-8270 M
3-Nitrobenzenamine	U	0.02	mg/L		0.02	SW846-8270 M
4-Bromophenyl phenyl ether	U	0.02	mg/L		0.02	SW846-8270 M
4-Chloro-3-methylphenol	U	0.02	mg/L		0.02	SW846-8270 M
4-Chlorobenzenamine	U	0.02	mg/L		0.02	SW846-8270 M

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## ERI99-W3-4

## WAG 3 - SWMU 4

4-Chlorophenyl phenyl ether	U	0.02	mg/L	0.02	SW846-8270 M
4-Methylphenol	U	0.02	mg/L	0.02	SW846-8270 M
4-Nitrobenzenamine	U	0.02	mg/L	0.02	SW846-8270 M
4-Nitrophenol	U	0.02	mg/L	0.02	SW846-8270 M
Acenaphthene	U	0.02	mg/L	0.02	SW846-8270 M
Acenaphthylene	U	0.02	mg/L	0.02	SW846-8270 M
Anthracene	U	0.02	mg/L	0.02	SW846-8270 M
Benz(a)anthracene	U	0.02	mg/L	0.02	SW846-8270 M
Benzo(a)pyrene	U	0.02	mg/L	0.02	SW846-8270 M
Benzo(b)fluoranthene	U	0.02	mg/L	0.02	SW846-8270 M
Benzo(ghi)perylene	U	0.02	mg/L	0.02	SW846-8270 M
Benzo(k)fluoranthene	U	0.02	mg/L	0.02	SW846-8270 M
Bis(2-chloroethoxy)methane	U	0.02	mg/L	0.02	SW846-8270 M
Bis(2-chloroethyl) ether	U	0.02	mg/L	0.02	SW846-8270 M
Bis(2-chloroisopropyl) ether	U	0.02	mg/L	0.02	SW846-8270 M
Bis(2-ethylhexyl)phthalate	U	0.02	mg/L	0.02	SW846-8270 M
Butyl benzyl phthalate	U	0.02	mg/L	0.02	SW846-8270 M
Carbazole	U	0.02	mg/L	0.02	SW846-8270 M
Chrysene	U	0.02	mg/L	0.02	SW846-8270 M
Dibenz(a,h)anthracene	U	0.02	mg/L	0.02	SW846-8270 M
Dibenzofuran	U	0.02	mg/L	0.02	SW846-8270 M
Diethyl phthalate	U	0.02	mg/L	0.02	SW846-8270 M
Dimethyl phthalate	U	0.02	mg/L	0.02	SW846-8270 M
Di-n-butyl phthalate	U	0.02	mg/L	0.02	SW846-8270 M
Di-n-octylphthalate	U	0.02	mg/L	0.02	SW846-8270 M
Fluoranthene	U	0.02	mg/L	0.02	SW846-8270 M
Fluorene	U	0.02	mg/L	0.02	SW846-8270 M
Hexachlorobenzene	U	0.02	mg/L	0.02	SW846-8270 M
Hexachlorobutadiene	U	0.02	mg/L	0.02	SW846-8270 M
Hexachlorocyclopentadiene	U	0.02	mg/L	0.02	SW846-8270 M
Hexachloroethane	U	0.02	mg/L	0.02	SW846-8270 M
Indeno(1,2,3-cd)pyrene	U	0.02	mg/L	0.02	SW846-8270 M
Isophorone	U	0.02	mg/L	0.02	SW846-8270 M
Naphthalene	U	0.02	mg/L	0.02	SW846-8270 M
Nitrobenzene	U	0.02	mg/L	0.02	SW846-8270 M
N-Nitroso-di-n-propylamine	U	0.02	mg/L	0.02	SW846-8270 M
N-Nitrosodiphenylamine	U	0.02	mg/L	0.02	SW846-8270 M
Pentachlorophenol	U	0.02	mg/L	0.02	SW846-8270 M
Phenanthrene	U	0.02	mg/L	0.02	SW846-8270 M
Phenol	U	0.02	mg/L	0.02	SW846-8270 M
Pyrene	U	0.02	mg/L	0.02	SW846-8270 M
<b>VOA</b>					
1,1-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
cis-1,2-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
trans-1,2-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
Trichloroethene	J	0.0002	mg/L	0.001	SW846-8021 M
Vinyl chloride	U	0.001	mg/L	0.001	SW846-8021 M
<b>WETCHEM</b>					
Cyanide	U	0.02	mg/L	0.02	SW846-9014

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004-028

ERI99-W3-4

WAG 3 - SWMU 4

004028WA110-45

Collected: 9/8/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium		0.122	mg/L		0.05	SW846-6010A
Beryllium	BU	0.005	mg/L		0.005	SW846-6010A
Cadmium	U	0.01	mg/L		0.01	SW846-6010A
Calcium		18	mg/L		0.5	SW846-6010A
Chromium	BU	0.05	mg/L		0.05	SW846-6010A
Cobalt	U	0.01	mg/L		0.01	SW846-6010A
Copper	U	0.05	mg/L		0.05	SW846-6010A
Iron	B	0.583	mg/L		0.2	SW846-6010A
Magnesium		7.13	mg/L		0.05	SW846-6010A
Manganese		0.913	mg/L		0.05	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Potassium	U	2	mg/L		2	SW846-6010A
Sodium		13.2	mg/L		2	SW846-6010A
Vanadium	U	0.1	mg/L		0.1	SW846-6010A
Zinc	NU	0.2	mg/L		0.2	SW846-6010A

004028WA110-5

Collected: 9/8/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum		0.397	mg/L		0.2	SW846-6010A
Barium		0.129	mg/L		0.05	SW846-6010A
Beryllium	BU	0.005	mg/L		0.005	SW846-6010A
Cadmium	BU	0.01	mg/L		0.01	SW846-6010A
Calcium		18.5	mg/L		0.5	SW846-6010A
Chromium	BU	0.05	mg/L		0.05	SW846-6010A
Cobalt	BU	0.01	mg/L		0.01	SW846-6010A
Copper	BU	0.05	mg/L		0.05	SW846-6010A
Iron		0.655	mg/L		0.2	SW846-6010A
Magnesium		7.46	mg/L		0.05	SW846-6010A
Manganese		0.952	mg/L		0.05	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Potassium	U	2	mg/L		2	SW846-6010A
Sodium		13.8	mg/L		2	SW846-6010A
Vanadium	BU	0.1	mg/L		0.1	SW846-6010A
Zinc	BU	0.2	mg/L		0.2	SW846-6010A



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ERI99-W3-4

WAG 3 - SWMU 4

004028WA120

Collected: 9/8/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	N	146	mg/L		0.2	SW846-6010A
Arsenic	NW	0.07	mg/L		0.005	SW846-7060
Barium		1.28	mg/L		0.05	SW846-6010A
Beryllium		0.028	mg/L		0.005	SW846-6010A
Cadmium	B	0.014	mg/L		0.01	SW846-6010A
Calcium		86	mg/L		0.5	SW846-6010A
Chromium		0.421	mg/L		0.05	SW846-6010A
Cobalt		0.374	mg/L		0.01	SW846-6010A
Copper		0.19	mg/L		0.05	SW846-6010A
Iron	*N	455	mg/L		2	SW846-6010A
Lead		0.456	mg/L		0.2	SW846-6010A
Magnesium		38.9	mg/L		0.05	SW846-6010A
Manganese	N	3.72	mg/L		0.05	SW846-6010A
Mercury	BW	0.0007	mg/L		0.0002	SW846-7470
Nickel		0.19	mg/L		0.05	SW846-6010A
Potassium		29.5	mg/L		2	SW846-6010A
Selenium	NUW	0.005	mg/L		0.005	SW846-7740
Silver	BU	0.05	mg/L		0.05	SW846-6010A
Sodium		13.8	mg/L		2	SW846-6010A
Thallium	ENU	0.2	mg/L		0.2	SW846-6010A
Vanadium		1.14	mg/L		0.1	SW846-6010A
Zinc		1.76	mg/L		0.2	SW846-6010A
<b>RADS</b>						
Alpha activity		4.1	pCi/L	1.3	1.5	SW846-9310
Beta activity		6.9	pCi/L	1.8	2.5	SW846-9310
Technetium-99	U	5.4	pCi/L	8.8	15	DNT
<b>SVOA</b>						
1,2,4-Trichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,2-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,3-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,4-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
2,4,5-Trichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4,6-Trichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dimethylphenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dinitrotoluene	U	0.01	mg/L		0.01	SW846-8270 M
2,6-Dinitrotoluene	U	0.01	mg/L		0.01	SW846-8270 M
2-Chloronaphthalene	U	0.01	mg/L		0.01	SW846-8270 M
2-Chlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Methyl-4,6-dinitrophenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Methylnaphthalene	U	0.01	mg/L		0.01	SW846-8270 M
2-Methylphenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Nitrobenzenamine	U	0.01	mg/L		0.01	SW846-8270 M
2-Nitrophenol	U	0.01	mg/L		0.01	SW846-8270 M
3,3'-Dichlorobenzidine	U	0.01	mg/L		0.01	SW846-8270 M
3-Nitrobenzenamine	U	0.01	mg/L		0.01	SW846-8270 M
4-Bromophenyl phenyl ether	U	0.01	mg/L		0.01	SW846-8270 M
4-Chloro-3-methylphenol	U	0.01	mg/L		0.01	SW846-8270 M
4-Chlorobenzenamine	U	0.01	mg/L		0.01	SW846-8270 M

## 004-028

## ERI99-W3-4

## WAG 3 - SWMU 4

4-Chlorophenyl phenyl ether	U	0.01	mg/L	0.01	SW846-8270 M
4-Methylphenol	U	0.01	mg/L	0.01	SW846-8270 M
4-Nitrobenzenamine	U	0.01	mg/L	0.01	SW846-8270 M
4-Nitrophenol	U	0.01	mg/L	0.01	SW846-8270 M
Acenaphthene	U	0.01	mg/L	0.01	SW846-8270 M
Acenaphthylene	U	0.01	mg/L	0.01	SW846-8270 M
Anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Benz(a)anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(a)pyrene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(b)fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(ghi)perylene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(k)fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroethoxy)methane	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroethyl) ether	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroisopropyl) ether	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-ethylhexyl)phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Carbazole	U	0.01	mg/L	0.01	SW846-8270 M
Chrysene	U	0.01	mg/L	0.01	SW846-8270 M
Dibenz(a,h)anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Dibenzofuran	U	0.01	mg/L	0.01	SW846-8270 M
Diethyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Dimethyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Di-n-butyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Di-n-octylphthalate	U	0.01	mg/L	0.01	SW846-8270 M
Fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Fluorene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorobenzene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorobutadiene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorocyclopentadiene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachloroethane	U	0.01	mg/L	0.01	SW846-8270 M
Indeno(1,2,3-cd)pyrene	U	0.01	mg/L	0.01	SW846-8270 M
Isophorone	U	0.01	mg/L	0.01	SW846-8270 M
Naphthalene	U	0.01	mg/L	0.01	SW846-8270 M
Nitrobenzene	U	0.01	mg/L	0.01	SW846-8270 M
N-Nitroso-di-n-propylamine	U	0.01	mg/L	0.01	SW846-8270 M
N-Nitrosodiphenylamine	U	0.01	mg/L	0.01	SW846-8270 M
Pentachlorophenol	U	0.01	mg/L	0.01	SW846-8270 M
Phenanthrene	U	0.01	mg/L	0.01	SW846-8270 M
Phenol	U	0.01	mg/L	0.01	SW846-8270 M
Pyrene	U	0.01	mg/L	0.01	SW846-8270 M
<b>VOA</b>					
1,1-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
cis-1,2-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
trans-1,2-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
Trichloroethene	J	0.0001	mg/L	0.001	SW846-8021 M
Vinyl chloride	U	0.001	mg/L	0.001	SW846-8021 M
<b>WETCHEM</b>					
Cyanide	U	0.02	mg/L	0.02	SW846-9014

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004-028

ERI99-W3-4

WAG 3 - SWMU 4

004028WA120-45

Collected: 9/8/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium		0.152	mg/L		0.05	SW846-6010A
Beryllium	BU	0.005	mg/L		0.005	SW846-6010A
Cadmium	U	0.01	mg/L		0.01	SW846-6010A
Calcium		21.4	mg/L		0.5	SW846-6010A
Chromium	BU	0.05	mg/L		0.05	SW846-6010A
Cobalt	U	0.01	mg/L		0.01	SW846-6010A
Copper	U	0.05	mg/L		0.05	SW846-6010A
Iron	BU	0.2	mg/L		0.2	SW846-6010A
Magnesium		8.13	mg/L		0.05	SW846-6010A
Manganese		0.698	mg/L		0.05	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Potassium		4.09	mg/L		2	SW846-6010A
Sodium		13.9	mg/L		2	SW846-6010A
Vanadium	U	0.1	mg/L		0.1	SW846-6010A
Zinc	NU	0.2	mg/L		0.2	SW846-6010A

004028WA120-5

Collected: 9/8/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium		0.165	mg/L		0.05	SW846-6010A
Beryllium	BU	0.005	mg/L		0.005	SW846-6010A
Cadmium	BU	0.01	mg/L		0.01	SW846-6010A
Calcium		22.5	mg/L		0.5	SW846-6010A
Chromium	BU	0.05	mg/L		0.05	SW846-6010A
Cobalt	BU	0.01	mg/L		0.01	SW846-6010A
Copper	BU	0.05	mg/L		0.05	SW846-6010A
Iron	U	0.2	mg/L		0.2	SW846-6010A
Magnesium		8.68	mg/L		0.05	SW846-6010A
Manganese		0.763	mg/L		0.05	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Potassium		4.59	mg/L		2	SW846-6010A
Sodium		14.3	mg/L		2	SW846-6010A
Vanadium	BU	0.1	mg/L		0.1	SW846-6010A
Zinc	BU	0.2	mg/L		0.2	SW846-6010A

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**004-028**

**ERI99-W3-4**

**WAG 3 - SWMU 4**

**004028WA160**

Collected: 9/8/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	N	270	mg/L		0.2	SW846-6010A
Arsenic	NW	0.105	mg/L		0.005	SW846-7060
Barium		2.67	mg/L		0.05	SW846-6010A
Beryllium		0.06	mg/L		0.005	SW846-6010A
Cadmium	B	0.018	mg/L		0.01	SW846-6010A
Calcium		104	mg/L		0.5	SW846-6010A
Chromium		0.654	mg/L		0.05	SW846-6010A
Cobalt		0.685	mg/L		0.01	SW846-6010A
Copper		0.282	mg/L		0.05	SW846-6010A
Iron	*N	781	mg/L		2	SW846-6010A
Lead		1.1	mg/L		0.2	SW846-6010A
Magnesium		77.2	mg/L		0.05	SW846-6010A
Manganese	N	9.17	mg/L		0.05	SW846-6010A
Mercury	BW	0.0028	mg/L		0.0002	SW846-7470
Nickel		0.13	mg/L		0.05	SW846-6010A
Potassium		56.8	mg/L		2	SW846-6010A
Selenium	NUW	0.005	mg/L		0.005	SW846-7740
Silver	BU	0.05	mg/L		0.05	SW846-6010A
Sodium		11.1	mg/L		2	SW846-6010A
Thallium	ENU	0.2	mg/L		0.2	SW846-6010A
Vanadium		2.07	mg/L		0.1	SW846-6010A
Zinc		3.35	mg/L		0.2	SW846-6010A
<b>RADS</b>						
Alpha activity		5.4	pCi/L	1.8	2	SW846-9310
Beta activity		6.3	pCi/L	1.7	2.4	SW846-9310
Technetium-99	A	12	pCi/L	9.7	16	DNT
<b>SVOA</b>						
1,2,4-Trichlorobenzene	U	0.04	mg/L		0.04	SW846-8270 M
1,2-Dichlorobenzene	U	0.04	mg/L		0.04	SW846-8270 M
1,4-Dichlorobenzene	U	0.04	mg/L		0.04	SW846-8270 M
2,4,5-Trichlorophenol	U	0.04	mg/L		0.04	SW846-8270 M
2,4,6-Trichlorophenol	U	0.04	mg/L		0.04	SW846-8270 M
2,4-Dichlorophenol	U	0.04	mg/L		0.04	SW846-8270 M
2,4-Dimethylphenol	U	0.04	mg/L		0.04	SW846-8270 M
2,4-Dinitrotoluene	U	0.04	mg/L		0.04	SW846-8270 M
2,6-Dinitrotoluene	U	0.04	mg/L		0.04	SW846-8270 M
2-Chloronaphthalene	U	0.04	mg/L		0.04	SW846-8270 M
2-Chlorophenol	U	0.04	mg/L		0.04	SW846-8270 M
2-Methyl-4,6-dinitrophenol	U	0.04	mg/L		0.04	SW846-8270 M
2-Methylnaphthalene	U	0.04	mg/L		0.04	SW846-8270 M
2-Methylphenol	U	0.04	mg/L		0.04	SW846-8270 M
2-Nitrobenzenamine	U	0.04	mg/L		0.04	SW846-8270 M
2-Nitrophenol	U	0.04	mg/L		0.04	SW846-8270 M
3,3'-Dichlorobenzidine	U	0.04	mg/L		0.04	SW846-8270 M
3-Nitrobenzenamine	U	0.04	mg/L		0.04	SW846-8270 M
4-Bromophenyl phenyl ether	U	0.04	mg/L		0.04	SW846-8270 M
4-Chloro-3-methylphenol	U	0.04	mg/L		0.04	SW846-8270 M
4-Chlorobenzenamine	U	0.04	mg/L		0.04	SW846-8270 M
4-Chlorophenyl phenyl ether	U	0.04	mg/L		0.04	SW846-8270 M

## 004-028

## ERI99-W3-4

## WAG 3 - SWMU 4

4-Methylphenol	U	0.04	mg/L	0.04	SW846-8270 M
4-Nitrobenzenamine	U	0.04	mg/L	0.04	SW846-8270 M
4-Nitrophenol	U	0.04	mg/L	0.04	SW846-8270 M
Acenaphthene	U	0.04	mg/L	0.04	SW846-8270 M
Acenaphthylene	U	0.04	mg/L	0.04	SW846-8270 M
Anthracene	U	0.04	mg/L	0.04	SW846-8270 M
Benz(a)anthracene	U	0.04	mg/L	0.04	SW846-8270 M
Benzo(a)pyrene	U	0.04	mg/L	0.04	SW846-8270 M
Benzo(b)fluoranthene	U	0.04	mg/L	0.04	SW846-8270 M
Benzo(ghi)perylene	U	0.04	mg/L	0.04	SW846-8270 M
Benzo(k)fluoranthene	U	0.04	mg/L	0.04	SW846-8270 M
Bis(2-chloroethoxy)methane	U	0.04	mg/L	0.04	SW846-8270 M
Bis(2-chloroethyl) ether	U	0.04	mg/L	0.04	SW846-8270 M
Bis(2-chloroisopropyl) ether	U	0.04	mg/L	0.04	SW846-8270 M
Bis(2-ethylhexyl)phthalate	U	0.04	mg/L	0.04	SW846-8270 M
Carbazole	U	0.04	mg/L	0.04	SW846-8270 M
Chrysene	U	0.04	mg/L	0.04	SW846-8270 M
Dibenz(a,h)anthracene	U	0.04	mg/L	0.04	SW846-8270 M
Dibenzofuran	U	0.04	mg/L	0.04	SW846-8270 M
Diethyl phthalate	U	0.04	mg/L	0.04	SW846-8270 M
Dimethyl phthalate	U	0.04	mg/L	0.04	SW846-8270 M
Di-n-butyl phthalate	U	0.04	mg/L	0.04	SW846-8270 M
Fluoranthene	U	0.04	mg/L	0.04	SW846-8270 M
Fluorene	U	0.04	mg/L	0.04	SW846-8270 M
Hexachlorobenzene	U	0.04	mg/L	0.04	SW846-8270 M
Hexachlorobutadiene	U	0.04	mg/L	0.04	SW846-8270 M
Hexachlorocyclopentadiene	U	0.04	mg/L	0.04	SW846-8270 M
Hexachloroethane	U	0.04	mg/L	0.04	SW846-8270 M
Indeno(1,2,3-cd)pyrene	U	0.04	mg/L	0.04	SW846-8270 M
Isophorone	U	0.04	mg/L	0.04	SW846-8270 M
Naphthalene	U	0.04	mg/L	0.04	SW846-8270 M
Nitrobenzene	U	0.04	mg/L	0.04	SW846-8270 M
N-Nitroso-di-n-propylamine	U	0.04	mg/L	0.04	SW846-8270 M
N-Nitrosodiphenylamine	U	0.04	mg/L	0.04	SW846-8270 M
Pentachlorophenol	U	0.04	mg/L	0.04	SW846-8270 M
Phenanthrene	U	0.04	mg/L	0.04	SW846-8270 M
Phenol	U	0.04	mg/L	0.04	SW846-8270 M
Pyrene	U	0.04	mg/L	0.04	SW846-8270 M
<b>VOA</b>					
1,1-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
cis-1,2-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
trans-1,2-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
Trichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
Vinyl chloride	U	0.001	mg/L	0.001	SW846-8021 M
<b>WETCHEM</b>					
Cyanide	U	0.02	mg/L	0.02	SW846-9014

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004-028

ERI99-W3-4

WAG 3 - SWMU 4

004028WA160-45

Collected: 9/8/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium		0.088	mg/L		0.05	SW846-6010A
Beryllium	BU	0.005	mg/L		0.005	SW846-6010A
Cadmium	U	0.01	mg/L		0.01	SW846-6010A
Calcium		10	mg/L		0.5	SW846-6010A
Chromium	BU	0.05	mg/L		0.05	SW846-6010A
Cobalt	U	0.01	mg/L		0.01	SW846-6010A
Copper	U	0.05	mg/L		0.05	SW846-6010A
Iron	B	0.24	mg/L		0.2	SW846-6010A
Magnesium		3.95	mg/L		0.05	SW846-6010A
Manganese		0.33	mg/L		0.05	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Potassium		3.97	mg/L		2	SW846-6010A
Sodium		14.5	mg/L		2	SW846-6010A
Vanadium	U	0.1	mg/L		0.1	SW846-6010A
Zinc	NU	0.2	mg/L		0.2	SW846-6010A

004028WA160-5

Collected: 9/8/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum		0.633	mg/L		0.2	SW846-6010A
Barium		0.095	mg/L		0.05	SW846-6010A
Beryllium	BU	0.005	mg/L		0.005	SW846-6010A
Cadmium	BU	0.01	mg/L		0.01	SW846-6010A
Calcium		10.4	mg/L		0.5	SW846-6010A
Chromium	BU	0.05	mg/L		0.05	SW846-6010A
Cobalt	BU	0.01	mg/L		0.01	SW846-6010A
Copper	BU	0.05	mg/L		0.05	SW846-6010A
Iron		0.445	mg/L		0.2	SW846-6010A
Magnesium		3.78	mg/L		0.05	SW846-6010A
Manganese		0.343	mg/L		0.05	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Potassium		4.51	mg/L		2	SW846-6010A
Sodium		14.5	mg/L		2	SW846-6010A
Vanadium	BU	0.1	mg/L		0.1	SW846-6010A
Zinc	BU	0.2	mg/L		0.2	SW846-6010A

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**004-028**

**ERI99-W3-4**

**WAG 3 - SWMU 4**

**004028WD100**

Collected: 9/7/1999

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	N	10.6	mg/L		0.2	SW846-6010A
Barium		0.266	mg/L		0.05	SW846-6010A
Beryllium	BU	0.005	mg/L		0.005	SW846-6010A
Cadmium	BU	0.01	mg/L		0.01	SW846-6010A
Calcium		18.4	mg/L		0.5	SW846-6010A
Chromium	U	0.05	mg/L		0.05	SW846-6010A
Cobalt		0.034	mg/L		0.01	SW846-6010A
Copper	BU	0.05	mg/L		0.05	SW846-6010A
Iron	N	67.3	mg/L		0.2	SW846-6010A
Magnesium		8.5	mg/L		0.05	SW846-6010A
Manganese	N	0.787	mg/L		0.05	SW846-6010A
Mercury	BUW	0.0002	mg/L		0.0002	SW846-7470
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Potassium	U	2	mg/L		2	SW846-6010A
Selenium	NUW	0.005	mg/L		0.005	SW846-7740
Silver	BU	0.05	mg/L		0.05	SW846-6010A
Sodium		14	mg/L		2	SW846-6010A
Thallium	NU	0.2	mg/L		0.2	SW846-6010A
Vanadium	U	0.1	mg/L		0.1	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A
<b>RADS</b>						
Alpha activity		3.5	pCi/L	1.5	1.8	SW846-9310
Beta activity		4	pCi/L	1.6	2.4	SW846-9310
Technetium-99	U	4.3	pCi/L	8.8	15	DNT
<b>SVOA</b>						
1,2,4-Trichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,2-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,3-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,4-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
2,4,5-Trichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4,6-Trichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dimethylphenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dinitrotoluene	U	0.01	mg/L		0.01	SW846-8270 M
2,6-Dinitrotoluene	U	0.01	mg/L		0.01	SW846-8270 M
2-Chloronaphthalene	U	0.01	mg/L		0.01	SW846-8270 M
2-Chlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Methyl-4,6-dinitrophenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Methylnaphthalene	U	0.01	mg/L		0.01	SW846-8270 M
2-Methylphenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Nitrobenzenamine	U	0.01	mg/L		0.01	SW846-8270 M
2-Nitrophenol	U	0.01	mg/L		0.01	SW846-8270 M
3,3'-Dichlorobenzidine	U	0.01	mg/L		0.01	SW846-8270 M
3-Nitrobenzenamine	U	0.01	mg/L		0.01	SW846-8270 M
4-Bromophenyl phenyl ether	U	0.01	mg/L		0.01	SW846-8270 M
4-Chloro-3-methylphenol	U	0.01	mg/L		0.01	SW846-8270 M
4-Chlorobenzenamine	U	0.01	mg/L		0.01	SW846-8270 M
4-Chlorophenyl phenyl ether	U	0.01	mg/L		0.01	SW846-8270 M
4-Methylphenol	U	0.01	mg/L		0.01	SW846-8270 M

## 004-028

## ERI99-W3-4

## WAG 3 - SWMU 4

4-Nitrobenzenamine	U	0.01	mg/L	0.01	SW846-8270 M
4-Nitrophenol	U	0.01	mg/L	0.01	SW846-8270 M
Acenaphthene	U	0.01	mg/L	0.01	SW846-8270 M
Acenaphthylene	U	0.01	mg/L	0.01	SW846-8270 M
Anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Benz(a)anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(a)pyrene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(b)fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(ghi)perylene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(k)fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroethoxy)methane	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroethyl) ether	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroisopropyl) ether	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-ethylhexyl)phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Carbazole	U	0.01	mg/L	0.01	SW846-8270 M
Chrysene	U	0.01	mg/L	0.01	SW846-8270 M
Dibenz(a,h)anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Dibenzofuran	U	0.01	mg/L	0.01	SW846-8270 M
Diethyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Dimethyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Di-n-butyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Di-n-octylphthalate	U	0.01	mg/L	0.01	SW846-8270 M
Fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Fluorene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorobenzene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorobutadiene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorocyclopentadiene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachloroethane	U	0.01	mg/L	0.01	SW846-8270 M
Indeno(1,2,3-cd)pyrene	U	0.01	mg/L	0.01	SW846-8270 M
Isophorone	U	0.01	mg/L	0.01	SW846-8270 M
Naphthalene	U	0.01	mg/L	0.01	SW846-8270 M
Nitrobenzene	U	0.01	mg/L	0.01	SW846-8270 M
N-Nitroso-di-n-propylamine	U	0.01	mg/L	0.01	SW846-8270 M
N-Nitrosodiphenylamine	U	0.01	mg/L	0.01	SW846-8270 M
Pentachlorophenol	U	0.01	mg/L	0.01	SW846-8270 M
Phenanthrene	U	0.01	mg/L	0.01	SW846-8270 M
Phenol	U	0.01	mg/L	0.01	SW846-8270 M
Pyrene	U	0.01	mg/L	0.01	SW846-8270 M
<b>VOA</b>					
1,1-Dichloroethene		0.0024	mg/L	0.001	SW846-8021 M
cis-1,2-Dichloroethene		0.012	mg/L	0.001	SW846-8021 M
trans-1,2-Dichloroethene		0.0013	mg/L	0.001	SW846-8021 M
Trichloroethene		0.19	mg/L	0.001	SW846-8021 M
Vinyl chloride	U	0.001	mg/L	0.001	SW846-8021 M
<b>WETCHEM</b>					
Cyanide	U	0.02	mg/L	0.02	SW846-9014



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004-028

ERI99-W3-4

WAG 3 - SWMU 4

004028WD100-45

Collected: 9/7/1999

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium		0.191	mg/L		0.05	SW846-6010A
Calcium		17.3	mg/L		0.5	SW846-6010A
Cobalt	U	0.01	mg/L		0.01	SW846-6010A
Iron		1.62	mg/L		0.2	SW846-6010A
Magnesium		7.04	mg/L		0.05	SW846-6010A
Manganese		0.401	mg/L		0.05	SW846-6010A
Sodium		13.8	mg/L		2	SW846-6010A

004028WD100-5

Collected: 9/7/1999

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium		0.211	mg/L		0.05	SW846-6010A
Calcium		17.8	mg/L		0.5	SW846-6010A
Cobalt	B	0.017	mg/L		0.01	SW846-6010A
Iron		1.51	mg/L		0.2	SW846-6010A
Magnesium		7.46	mg/L		0.05	SW846-6010A
Manganese		0.49	mg/L		0.05	SW846-6010A
Sodium		13.9	mg/L		2	SW846-6010A

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004-029

ERI99-W3-4

WAG 3 - SWMU 4

004029WA040

Collected: 9/10/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	N	1180	mg/L		2	SW846-6010A
Arsenic	NW	0.019	mg/L		0.005	SW846-7060
Barium		13.6	mg/L		0.05	SW846-6010A
Beryllium		0.099	mg/L		0.005	SW846-6010A
Cadmium		0.021	mg/L		0.01	SW846-6010A
Calcium	N	93.2	mg/L		0.5	SW846-6010A
Chromium		0.3	mg/L		0.05	SW846-6010A
Cobalt		3.58	mg/L		0.01	SW846-6010A
Copper		0.426	mg/L		0.05	SW846-6010A
Iron	*N	1560	mg/L		2	SW846-6010A
Lead		0.642	mg/L		0.2	SW846-6010A
Magnesium		66.7	mg/L		0.05	SW846-6010A
Manganese	N	118	mg/L		0.05	SW846-6010A
Mercury		0.0018	mg/L		0.0002	SW846-7470
Nickel	NU	0.5	mg/L		0.5	SW846-6010A
Potassium		63.1	mg/L		2	SW846-6010A
Selenium	*BNW	0.015	mg/L		0.005	SW846-7740
Silver	BNU	0.05	mg/L		0.05	SW846-6010A
Sodium	N	85.3	mg/L		2	SW846-6010A
Thallium	NU	0.2	mg/L		0.2	SW846-6010A
Vanadium		1.22	mg/L		0.1	SW846-6010A
Zinc		2.73	mg/L		0.2	SW846-6010A
<b>PCCB</b>						
PCB-1221	U	0.1	mg/L		0.1	SW846-8082 M
PCB-1232	U	0.1	mg/L		0.1	SW846-8082 M
<b>RADS</b>						
Alpha activity		15.7	pCi/L	6.1	9	SW846-9310
Beta activity		213	pCi/L	6	2.7	SW846-9310
Neptunium-237	A	-5.32	pCi/L	10.6	55.1	RL-7124
Plutonium-239/240	A	0.0296	pCi/L	0.196	1.21	RL-7120
Technetium-99		382	pCi/L	18	14	DNT
Thorium-234	A	233	pCi/L	467	562	RL-7124
<b>SVOA</b>						
1,2,4-Trichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,2-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,3-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,4-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
2,4,5-Trichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4,6-Trichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dimethylphenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dinitrophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dinitrotoluene	U	0.01	mg/L		0.01	SW846-8270 M
2,6-Dinitrotoluene	U	0.01	mg/L		0.01	SW846-8270 M
2-Chloronaphthalene	U	0.01	mg/L		0.01	SW846-8270 M
2-Chlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Methyl-4,6-dinitrophenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Methylnaphthalene	U	0.01	mg/L		0.01	SW846-8270 M
2-Methylphenol	U	0.01	mg/L		0.01	SW846-8270 M

## 004-029

## ERI99-W3-4

## WAG 3 - SWMU 4

2-Nitrobenzenamine	U	0.01	mg/L	0.01	SW846-8270 M
2-Nitrophenol	U	0.01	mg/L	0.01	SW846-8270 M
3,3'-Dichlorobenzidine	U	0.01	mg/L	0.01	SW846-8270 M
3-Nitrobenzenamine	U	0.01	mg/L	0.01	SW846-8270 M
4-Bromophenyl phenyl ether	U	0.01	mg/L	0.01	SW846-8270 M
4-Chloro-3-methylphenol	U	0.01	mg/L	0.01	SW846-8270 M
4-Chlorobenzenamine	U	0.01	mg/L	0.01	SW846-8270 M
4-Chlorophenyl phenyl ether	U	0.01	mg/L	0.01	SW846-8270 M
4-Methylphenol	U	0.01	mg/L	0.01	SW846-8270 M
4-Nitrobenzenamine	U	0.01	mg/L	0.01	SW846-8270 M
4-Nitrophenol	U	0.01	mg/L	0.01	SW846-8270 M
Acenaphthene	U	0.01	mg/L	0.01	SW846-8270 M
Acenaphthylene	U	0.01	mg/L	0.01	SW846-8270 M
Anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Benz(a)anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(a)pyrene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(b)fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(ghi)perylene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(k)fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroethoxy)methane	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroethyl) ether	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroisopropyl) ether	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-ethylhexyl)phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Butyl benzyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Carbazole	U	0.01	mg/L	0.01	SW846-8270 M
Chrysene	U	0.01	mg/L	0.01	SW846-8270 M
Dibenz(a,h)anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Dibenzofuran	U	0.01	mg/L	0.01	SW846-8270 M
Diethyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Dimethyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Di-n-butyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Di-n-octylphthalate	U	0.01	mg/L	0.01	SW846-8270 M
Fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Fluorene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorobenzene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorobutadiene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorocyclopentadiene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachloroethane	U	0.01	mg/L	0.01	SW846-8270 M
Indeno(1,2,3-cd)pyrene	U	0.01	mg/L	0.01	SW846-8270 M
Isophorone	U	0.01	mg/L	0.01	SW846-8270 M
Naphthalene	U	0.01	mg/L	0.01	SW846-8270 M
Nitrobenzene	U	0.01	mg/L	0.01	SW846-8270 M
N-Nitroso-di-n-propylamine	U	0.01	mg/L	0.01	SW846-8270 M
N-Nitrosodiphenylamine	U	0.01	mg/L	0.01	SW846-8270 M
Pentachlorophenol	U	0.01	mg/L	0.01	SW846-8270 M
Phenanthrene	U	0.01	mg/L	0.01	SW846-8270 M
Phenol	U	0.01	mg/L	0.01	SW846-8270 M
Pyrene	U	0.01	mg/L	0.01	SW846-8270 M

## VOA

1,1-Dichloroethene		0.081	mg/L	0.001	SW846-8021 M
cis-1,2-Dichloroethene		0.13	mg/L	0.001	SW846-8021 M
trans-1,2-Dichloroethene		0.012	mg/L	0.001	SW846-8021 M
Trichloroethene		2.2	mg/L	0.001	SW846-8021 M
Vinyl chloride		0.012	mg/L	0.001	SW846-8021 M

## WETCHEM

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004-029

ERI99-W3-4

WAG 3 - SWMU 4

Cyanide U 0.02 mg/L 0.02 SW846-9014

004029WA040-45

Collected: 9/10/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Arsenic	W	0.019	mg/L		0.005	SW846-7060
Barium		0.148	mg/L		0.05	SW846-6010A
Beryllium	BU	0.005	mg/L		0.005	SW846-6010A
Cadmium	BU	0.01	mg/L		0.01	SW846-6010A
Calcium	N	31.2	mg/L		0.5	SW846-6010A
Chromium	BU	0.05	mg/L		0.05	SW846-6010A
Cobalt		0.041	mg/L		0.01	SW846-6010A
Copper	U	0.05	mg/L		0.05	SW846-6010A
Iron	BU	0.2	mg/L		0.2	SW846-6010A
Magnesium		12.7	mg/L		0.05	SW846-6010A
Manganese		2.24	mg/L		0.05	SW846-6010A
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470
Potassium	U	2	mg/L		2	SW846-6010A
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Sodium		95.9	mg/L		2	SW846-6010A
Vanadium	U	0.1	mg/L		0.1	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A

004029WA040-5

Collected: 9/10/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum		0.248	mg/L		0.2	SW846-6010A
Arsenic	W	0.019	mg/L		0.005	SW846-7060
Barium		0.153	mg/L		0.05	SW846-6010A
Beryllium	BU	0.005	mg/L		0.005	SW846-6010A
Cadmium	BU	0.01	mg/L		0.01	SW846-6010A
Calcium	N	30.5	mg/L		0.5	SW846-6010A
Chromium	BU	0.05	mg/L		0.05	SW846-6010A
Cobalt		0.044	mg/L		0.01	SW846-6010A
Copper	BU	0.05	mg/L		0.05	SW846-6010A
Iron	BU	0.2	mg/L		0.2	SW846-6010A
Magnesium		12.4	mg/L		0.05	SW846-6010A
Manganese		1.99	mg/L		0.05	SW846-6010A
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470
Potassium	U	2	mg/L		2	SW846-6010A
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Sodium		102	mg/L		2	SW846-6010A
Vanadium	U	0.1	mg/L		0.1	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A

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**004-029**

**ERI99-W3-4**

**WAG 3 - SWMU 4**

**004029WA060**

Collected: 9/10/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	N	218	mg/L		0.2	SW846-6010A
Arsenic	NW	0.015	mg/L		0.005	SW846-7060
Barium		1.38	mg/L		0.05	SW846-6010A
Beryllium		0.022	mg/L		0.005	SW846-6010A
Cadmium	U	0.01	mg/L		0.01	SW846-6010A
Calcium	N	33	mg/L		0.5	SW846-6010A
Chromium		0.161	mg/L		0.05	SW846-6010A
Cobalt		0.21	mg/L		0.01	SW846-6010A
Copper		0.077	mg/L		0.05	SW846-6010A
Iron	*N	338	mg/L		2	SW846-6010A
Lead		0.22	mg/L		0.2	SW846-6010A
Magnesium		26	mg/L		0.05	SW846-6010A
Manganese	N	10.3	mg/L		0.05	SW846-6010A
Mercury		0.0002	mg/L		0.0002	SW846-7470
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Potassium		20	mg/L		2	SW846-6010A
Selenium	*BNU	0.005	mg/L		0.005	SW846-7740
Silver	BNU	0.05	mg/L		0.05	SW846-6010A
Sodium	N	17.5	mg/L		2	SW846-6010A
Thallium	NU	0.2	mg/L		0.2	SW846-6010A
Vanadium		0.342	mg/L		0.1	SW846-6010A
Zinc	B	0.812	mg/L		0.2	SW846-6010A
<b>RADS</b>						
Alpha activity		15.4	pCi/L	5.1	7.6	SW846-9310
Americium-241	A	-1.91	pCi/L	3.83	73	RL-7124
Beta activity		398	pCi/L	7.9	3	SW846-9310
Neptunium-237	A	-23.3	pCi/L	46.6	43.8	RL-7124
Plutonium-239/240	A	-0.13	pCi/L	0.195	1.22	RL-7120
Technetium-99		607	pCi/L	21	13	DNT
Thorium-234	A	133	pCi/L	266	514	RL-7124
<b>SVOA</b>						
1,2,4-Trichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,2-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,3-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,4-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
2,4,5-Trichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4,6-Trichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dimethylphenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dinitrotoluene	U	0.01	mg/L		0.01	SW846-8270 M
2,6-Dinitrotoluene	U	0.01	mg/L		0.01	SW846-8270 M
2-Chloronaphthalene	U	0.01	mg/L		0.01	SW846-8270 M
2-Chlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Methyl-4,6-dinitrophenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Methylnaphthalene	U	0.01	mg/L		0.01	SW846-8270 M
2-Methylphenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Nitrobenzenamine	U	0.01	mg/L		0.01	SW846-8270 M
2-Nitrophenol	U	0.01	mg/L		0.01	SW846-8270 M
3,3'-Dichlorobenzidine	U	0.01	mg/L		0.01	SW846-8270 M

## 004-029

## ERI99-W3-4

## WAG 3 - SWMU 4

3-Nitrobenzenamine	U	0.01	mg/L	0.01	SW846-8270 M
4-Bromophenyl phenyl ether	U	0.01	mg/L	0.01	SW846-8270 M
4-Chloro-3-methylphenol	U	0.01	mg/L	0.01	SW846-8270 M
4-Chlorobenzenamine	U	0.01	mg/L	0.01	SW846-8270 M
4-Chlorophenyl phenyl ether	U	0.01	mg/L	0.01	SW846-8270 M
4-Methylphenol	U	0.01	mg/L	0.01	SW846-8270 M
4-Nitrobenzenamine	U	0.01	mg/L	0.01	SW846-8270 M
4-Nitrophenol	U	0.01	mg/L	0.01	SW846-8270 M
Acenaphthene	U	0.01	mg/L	0.01	SW846-8270 M
Acenaphthylene	U	0.01	mg/L	0.01	SW846-8270 M
Anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Benz(a)anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(a)pyrene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(b)fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(ghi)perylene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(k)fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroethoxy)methane	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroethyl) ether	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroisopropyl) ether	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-ethylhexyl)phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Carbazole	U	0.01	mg/L	0.01	SW846-8270 M
Chrysene	U	0.01	mg/L	0.01	SW846-8270 M
Dibenz(a,h)anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Dibenzofuran	U	0.01	mg/L	0.01	SW846-8270 M
Diethyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Dimethyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Di-n-butyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Di-n-octylphthalate	U	0.01	mg/L	0.01	SW846-8270 M
Fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Fluorene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorobenzene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorobutadiene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorocyclopentadiene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachloroethane	U	0.01	mg/L	0.01	SW846-8270 M
Indeno(1,2,3-cd)pyrene	U	0.01	mg/L	0.01	SW846-8270 M
Isophorone	U	0.01	mg/L	0.01	SW846-8270 M
Naphthalene	U	0.01	mg/L	0.01	SW846-8270 M
Nitrobenzene	U	0.01	mg/L	0.01	SW846-8270 M
N-Nitroso-di-n-propylamine	U	0.01	mg/L	0.01	SW846-8270 M
N-Nitrosodiphenylamine	U	0.01	mg/L	0.01	SW846-8270 M
Pentachlorophenol	U	0.01	mg/L	0.01	SW846-8270 M
Phenanthrene	U	0.01	mg/L	0.01	SW846-8270 M
Phenol	U	0.01	mg/L	0.01	SW846-8270 M
Pyrene	U	0.01	mg/L	0.01	SW846-8270 M
<b>VOA</b>					
1,1-Dichloroethene		0.0053	mg/L	0.001	SW846-8021 M
cis-1,2-Dichloroethene		0.081	mg/L	0.001	SW846-8021 M
trans-1,2-Dichloroethene		0.0046	mg/L	0.001	SW846-8021 M
Trichloroethene		1.4	mg/L	0.001	SW846-8021 M
Vinyl chloride	J	0.0009	mg/L	0.001	SW846-8021 M
<b>WETCHEM</b>					
Cyanide	U	0.02	mg/L	0.02	SW846-9014

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004-029

ERI99-W3-4

WAG 3 - SWMU 4

004029WA060-45

Collected: 9/10/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Arsenic	W	0.016	mg/L		0.005	SW846-7060
Barium		0.075	mg/L		0.05	SW846-6010A
Beryllium	BU	0.005	mg/L		0.005	SW846-6010A
Calcium	N	17.2	mg/L		0.5	SW846-6010A
Chromium	BU	0.05	mg/L		0.05	SW846-6010A
Cobalt		0.016	mg/L		0.01	SW846-6010A
Copper	U	0.05	mg/L		0.05	SW846-6010A
Iron	BU	0.2	mg/L		0.2	SW846-6010A
Magnesium		6.94	mg/L		0.05	SW846-6010A
Manganese		0.927	mg/L		0.05	SW846-6010A
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470
Potassium	U	2	mg/L		2	SW846-6010A
Sodium		19.5	mg/L		2	SW846-6010A
Vanadium	U	0.1	mg/L		0.1	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A

004029WA060-5

Collected: 9/10/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum		0.565	mg/L		0.2	SW846-6010A
Arsenic	W	0.022	mg/L		0.005	SW846-7060
Barium		0.102	mg/L		0.05	SW846-6010A
Beryllium	BU	0.005	mg/L		0.005	SW846-6010A
Calcium	N	23.8	mg/L		0.5	SW846-6010A
Chromium	BU	0.05	mg/L		0.05	SW846-6010A
Cobalt		0.032	mg/L		0.01	SW846-6010A
Copper	BU	0.05	mg/L		0.05	SW846-6010A
Iron	B	0.29	mg/L		0.2	SW846-6010A
Magnesium		9.28	mg/L		0.05	SW846-6010A
Manganese		1.91	mg/L		0.05	SW846-6010A
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470
Potassium	U	2	mg/L		2	SW846-6010A
Sodium		28.5	mg/L		2	SW846-6010A
Vanadium	U	0.1	mg/L		0.1	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A

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**004-029**

**ERI99-W3-4**

**WAG 3 - SWMU 4**

**004029WA065**

Collected: 9/10/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	N	37.7	mg/L		0.2	SW846-6010A
Arsenic	NW	0.039	mg/L		0.005	SW846-7060
Barium		0.252	mg/L		0.05	SW846-6010A
Beryllium	B	0.007	mg/L		0.005	SW846-6010A
Cadmium	U	0.01	mg/L		0.01	SW846-6010A
Calcium	N	21.3	mg/L		0.5	SW846-6010A
Chromium	BU	0.05	mg/L		0.05	SW846-6010A
Cobalt		0.071	mg/L		0.01	SW846-6010A
Copper	U	0.05	mg/L		0.05	SW846-6010A
Iron	N	132	mg/L		0.2	SW846-6010A
Magnesium		9.87	mg/L		0.05	SW846-6010A
Manganese	N	1.5	mg/L		0.05	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Potassium		3.69	mg/L		2	SW846-6010A
Selenium	*BNU	0.005	mg/L		0.005	SW846-7740
Silver	BNU	0.05	mg/L		0.05	SW846-6010A
Sodium	N	15.2	mg/L		2	SW846-6010A
Thallium	NU	0.2	mg/L		0.2	SW846-6010A
Vanadium	U	0.1	mg/L		0.1	SW846-6010A
Zinc	B	0.258	mg/L		0.2	SW846-6010A
<b>RADS</b>						
Alpha activity		14.5	pCi/L	5.3	8	SW846-9310
Americium-241	A	-25.7	pCi/L	51.5	60.7	RL-7124
Beta activity		396	pCi/L	7.9	3.2	SW846-9310
Neptunium-237	A	9.33	pCi/L	18.7	43.7	RL-7124
Plutonium-239/240	A	0.164	pCi/L	0.268	1.22	RL-7120
Technetium-99		635	pCi/L	21	13	DNT
Thorium-234	A	-190	pCi/L	380	484	RL-7124
<b>SVOA</b>						
1,2,4-Trichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,2-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,3-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,4-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
2,4,5-Trichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4,6-Trichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dimethylphenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dinitrotoluene	U	0.01	mg/L		0.01	SW846-8270 M
2,6-Dinitrotoluene	U	0.01	mg/L		0.01	SW846-8270 M
2-Chloronaphthalene	U	0.01	mg/L		0.01	SW846-8270 M
2-Chlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Methyl-4,6-dinitrophenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Methylnaphthalene	U	0.01	mg/L		0.01	SW846-8270 M
2-Methylphenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Nitrobenzenamine	U	0.01	mg/L		0.01	SW846-8270 M
2-Nitrophenol	U	0.01	mg/L		0.01	SW846-8270 M
3,3'-Dichlorobenzidine	U	0.01	mg/L		0.01	SW846-8270 M
3-Nitrobenzenamine	U	0.01	mg/L		0.01	SW846-8270 M



## 004-029

## ERI99-W3-4

## WAG 3 - SWMU 4

4-Bromophenyl phenyl ether	U	0.01	mg/L	0.01	SW846-8270 M
4-Chloro-3-methylphenol	U	0.01	mg/L	0.01	SW846-8270 M
4-Chlorobenzeneamine	U	0.01	mg/L	0.01	SW846-8270 M
4-Chlorophenyl phenyl ether	U	0.01	mg/L	0.01	SW846-8270 M
4-Methylphenol	U	0.01	mg/L	0.01	SW846-8270 M
4-Nitrobenzeneamine	U	0.01	mg/L	0.01	SW846-8270 M
4-Nitrophenol	U	0.01	mg/L	0.01	SW846-8270 M
Acenaphthene	U	0.01	mg/L	0.01	SW846-8270 M
Acenaphthylene	U	0.01	mg/L	0.01	SW846-8270 M
Anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Benz(a)anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(a)pyrene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(b)fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(ghi)perylene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(k)fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroethoxy)methane	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroethyl) ether	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroisopropyl) ether	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-ethylhexyl)phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Carbazole	U	0.01	mg/L	0.01	SW846-8270 M
Chrysene	U	0.01	mg/L	0.01	SW846-8270 M
Dibenz(a,h)anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Dibenzofuran	U	0.01	mg/L	0.01	SW846-8270 M
Diethyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Dimethyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Di-n-butyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Di-n-octylphthalate	U	0.01	mg/L	0.01	SW846-8270 M
Fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Fluorene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorobenzene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorobutadiene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorocyclopentadiene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachloroethane	U	0.01	mg/L	0.01	SW846-8270 M
Indeno(1,2,3-cd)pyrene	U	0.01	mg/L	0.01	SW846-8270 M
Isophorone	U	0.01	mg/L	0.01	SW846-8270 M
Naphthalene	U	0.01	mg/L	0.01	SW846-8270 M
Nitrobenzene	U	0.01	mg/L	0.01	SW846-8270 M
N-Nitroso-di-n-propylamine	U	0.01	mg/L	0.01	SW846-8270 M
N-Nitrosodiphenylamine	U	0.01	mg/L	0.01	SW846-8270 M
Pentachlorophenol	U	0.01	mg/L	0.01	SW846-8270 M
Phenanthrene	U	0.01	mg/L	0.01	SW846-8270 M
Phenol	U	0.01	mg/L	0.01	SW846-8270 M
Pyrene	U	0.01	mg/L	0.01	SW846-8270 M
<b>VOA</b>					
1,1-Dichloroethene		0.011	mg/L	0.001	SW846-8021 M
cis-1,2-Dichloroethene		0.15	mg/L	0.001	SW846-8021 M
trans-1,2-Dichloroethene		0.0071	mg/L	0.001	SW846-8021 M
Trichloroethene		3.8	mg/L	0.001	SW846-8021 M
Vinyl chloride		0.0022	mg/L	0.001	SW846-8021 M
<b>WETCHEM</b>					
Cyanide	U	0.02	mg/L	0.02	SW846-9014

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**004-029**

**ERI99-W3-4**

**WAG 3 - SWMU 4**

**004029WA065-45**

Collected: 9/10/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Arsenic	W	0.039	mg/L		0.005	SW846-7060
Barium		0.099	mg/L		0.05	SW846-6010A
Beryllium	BU	0.005	mg/L		0.005	SW846-6010A
Calcium	N	21.6	mg/L		0.5	SW846-6010A
Cobalt		0.031	mg/L		0.01	SW846-6010A
Iron	B	0.224	mg/L		0.2	SW846-6010A
Magnesium		8.89	mg/L		0.05	SW846-6010A
Manganese		0.654	mg/L		0.05	SW846-6010A
Potassium	U	2	mg/L		2	SW846-6010A
Sodium		17.8	mg/L		2	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A

**004029WA065-5**

Collected: 9/10/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum		0.394	mg/L		0.2	SW846-6010A
Arsenic	W	0.045	mg/L		0.005	SW846-7060
Barium		0.09	mg/L		0.05	SW846-6010A
Beryllium	BU	0.005	mg/L		0.005	SW846-6010A
Calcium	N	21.3	mg/L		0.5	SW846-6010A
Cobalt		0.022	mg/L		0.01	SW846-6010A
Iron	B	0.639	mg/L		0.2	SW846-6010A
Magnesium		8.71	mg/L		0.05	SW846-6010A
Manganese		0.446	mg/L		0.05	SW846-6010A
Potassium	U	2	mg/L		2	SW846-6010A
Sodium		18.6	mg/L		2	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A

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004-029

ERI99-W3-4

WAG 3 - SWMU 4

004029WA070

Collected: 9/10/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	N	50.7	mg/L		0.2	SW846-6010A
Arsenic	NW	0.026	mg/L		0.005	SW846-7060
Barium		0.464	mg/L		0.05	SW846-6010A
Beryllium	B	0.012	mg/L		0.005	SW846-6010A
Cadmium	U	0.01	mg/L		0.01	SW846-6010A
Calcium	N	24.2	mg/L		0.5	SW846-6010A
Chromium	BU	0.05	mg/L		0.05	SW846-6010A
Cobalt		0.122	mg/L		0.01	SW846-6010A
Copper	U	0.05	mg/L		0.05	SW846-6010A
Iron	N	234	mg/L		0.2	SW846-6010A
Magnesium		11	mg/L		0.05	SW846-6010A
Manganese	N	5.54	mg/L		0.05	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Potassium		4.22	mg/L		2	SW846-6010A
Selenium	*BNU	0.005	mg/L		0.005	SW846-7740
Silver	BNU	0.05	mg/L		0.05	SW846-6010A
Sodium	N	18.3	mg/L		2	SW846-6010A
Thallium	NU	0.2	mg/L		0.2	SW846-6010A
Vanadium		0.148	mg/L		0.1	SW846-6010A
Zinc	B	0.479	mg/L		0.2	SW846-6010A
<b>RADS</b>						
Alpha activity		14.7	pCi/L	4.6	6.6	SW846-9310
Americium-241	A	9.15	pCi/L	18.3	69.5	RL-7124
Beta activity		210	pCi/L	5.8	2.8	SW846-9310
Neptunium-237	A	3.34	pCi/L	6.67	47.2	RL-7124
Plutonium-239/240	A	0.266	pCi/L	0.285	1.22	RL-7120
Technetium-99		346	pCi/L	17	13	DNT
Thorium-234	A	-217	pCi/L	434	460	RL-7124
<b>SVOA</b>						
1,2,4-Trichlorobenzene	U	0.013	mg/L		0.013	SW846-8270 M
1,2-Dichlorobenzene	U	0.013	mg/L		0.013	SW846-8270 M
1,3-Dichlorobenzene	U	0.013	mg/L		0.013	SW846-8270 M
1,4-Dichlorobenzene	U	0.013	mg/L		0.013	SW846-8270 M
2,4,5-Trichlorophenol	U	0.013	mg/L		0.013	SW846-8270 M
2,4,6-Trichlorophenol	U	0.013	mg/L		0.013	SW846-8270 M
2,4-Dichlorophenol	U	0.013	mg/L		0.013	SW846-8270 M
2,4-Dimethylphenol	U	0.013	mg/L		0.013	SW846-8270 M
2,4-Dinitrotoluene	U	0.013	mg/L		0.013	SW846-8270 M
2,6-Dinitrotoluene	U	0.013	mg/L		0.013	SW846-8270 M
2-Chloronaphthalene	U	0.013	mg/L		0.013	SW846-8270 M
2-Chlorophenol	U	0.013	mg/L		0.013	SW846-8270 M
2-Methyl-4,6-dinitrophenol	U	0.013	mg/L		0.013	SW846-8270 M
2-Methylnaphthalene	U	0.013	mg/L		0.013	SW846-8270 M
2-Methylphenol	U	0.013	mg/L		0.013	SW846-8270 M
2-Nitrobenzenamine	U	0.013	mg/L		0.013	SW846-8270 M
2-Nitrophenol	U	0.013	mg/L		0.013	SW846-8270 M
3,3'-Dichlorobenzidine	U	0.013	mg/L		0.013	SW846-8270 M
3-Nitrobenzenamine	U	0.013	mg/L		0.013	SW846-8270 M

\*QUALIFIER Codes See attached List.

## 004-029

## ERI99-W3-4

## WAG 3 - SWMU 4

4-Bromophenyl phenyl ether	U	0.013	mg/L	0.013	SW846-8270 M
4-Chloro-3-methylphenol	U	0.013	mg/L	0.013	SW846-8270 M
4-Chlorobenzeneamine	U	0.013	mg/L	0.013	SW846-8270 M
4-Chlorophenyl phenyl ether	U	0.013	mg/L	0.013	SW846-8270 M
4-Methylphenol	U	0.013	mg/L	0.013	SW846-8270 M
4-Nitrobenzeneamine	U	0.013	mg/L	0.013	SW846-8270 M
4-Nitrophenol	U	0.013	mg/L	0.013	SW846-8270 M
Acenaphthene	U	0.013	mg/L	0.013	SW846-8270 M
Acenaphthylene	U	0.013	mg/L	0.013	SW846-8270 M
Anthracene	U	0.013	mg/L	0.013	SW846-8270 M
Benz(a)anthracene	U	0.013	mg/L	0.013	SW846-8270 M
Benzo(a)pyrene	U	0.013	mg/L	0.013	SW846-8270 M
Benzo(b)fluoranthene	U	0.013	mg/L	0.013	SW846-8270 M
Benzo(ghi)perylene	U	0.013	mg/L	0.013	SW846-8270 M
Benzo(k)fluoranthene	U	0.013	mg/L	0.013	SW846-8270 M
Bis(2-chloroethoxy)methane	U	0.013	mg/L	0.013	SW846-8270 M
Bis(2-chloroethyl) ether	U	0.013	mg/L	0.013	SW846-8270 M
Bis(2-chloroisopropyl) ether	U	0.013	mg/L	0.013	SW846-8270 M
Bis(2-ethylhexyl)phthalate	U	0.013	mg/L	0.013	SW846-8270 M
Carbazole	U	0.013	mg/L	0.013	SW846-8270 M
Chrysene	U	0.013	mg/L	0.013	SW846-8270 M
Dibenz(a,h)anthracene	U	0.013	mg/L	0.013	SW846-8270 M
Dibenzofuran	U	0.013	mg/L	0.013	SW846-8270 M
Diethyl phthalate	U	0.013	mg/L	0.013	SW846-8270 M
Dimethyl phthalate	U	0.013	mg/L	0.013	SW846-8270 M
Di-n-butyl phthalate	U	0.013	mg/L	0.013	SW846-8270 M
Di-n-octylphthalate	U	0.013	mg/L	0.013	SW846-8270 M
Fluoranthene	U	0.013	mg/L	0.013	SW846-8270 M
Fluorene	U	0.013	mg/L	0.013	SW846-8270 M
Hexachlorobenzene	U	0.013	mg/L	0.013	SW846-8270 M
Hexachlorobutadiene	U	0.013	mg/L	0.013	SW846-8270 M
Hexachlorocyclopentadiene	U	0.013	mg/L	0.013	SW846-8270 M
Hexachloroethane	U	0.013	mg/L	0.013	SW846-8270 M
Indeno(1,2,3-cd)pyrene	U	0.013	mg/L	0.013	SW846-8270 M
Isophorone	U	0.013	mg/L	0.013	SW846-8270 M
Naphthalene	U	0.013	mg/L	0.013	SW846-8270 M
Nitrobenzene	U	0.013	mg/L	0.013	SW846-8270 M
N-Nitroso-di-n-propylamine	U	0.013	mg/L	0.013	SW846-8270 M
N-Nitrosodiphenylamine	U	0.013	mg/L	0.013	SW846-8270 M
Pentachlorophenol	U	0.013	mg/L	0.013	SW846-8270 M
Phenanthrene	U	0.013	mg/L	0.013	SW846-8270 M
Phenol	U	0.013	mg/L	0.013	SW846-8270 M
Pyrene	U	0.013	mg/L	0.013	SW846-8270 M
<b>VOA</b>					
1,1-Dichloroethene		0.0097	mg/L	0.001	SW846-8021 M
cis-1,2-Dichloroethene		0.14	mg/L	0.001	SW846-8021 M
trans-1,2-Dichloroethene		0.012	mg/L	0.001	SW846-8021 M
Trichloroethene		2.1	mg/L	0.001	SW846-8021 M
Vinyl chloride		0.002	mg/L	0.001	SW846-8021 M
<b>WETCHEM</b>					
Cyanide	U	0.02	mg/L	0.02	SW846-9014

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004-029

ERI99-W3-4

WAG 3 - SWMU 4

004029WA070-45

Collected: 9/10/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Arsenic	W	0.028	mg/L		0.005	SW846-7060
Barium		0.132	mg/L		0.05	SW846-6010A
Beryllium	BU	0.005	mg/L		0.005	SW846-6010A
Calcium	N	25.4	mg/L		0.5	SW846-6010A
Cobalt		0.012	mg/L		0.01	SW846-6010A
Iron	BU	0.2	mg/L		0.2	SW846-6010A
Magnesium		10.5	mg/L		0.05	SW846-6010A
Manganese		1.05	mg/L		0.05	SW846-6010A
Potassium	U	2	mg/L		2	SW846-6010A
Sodium		21.4	mg/L		2	SW846-6010A
Vanadium	U	0.1	mg/L		0.1	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A

004029WA070-5

Collected: 9/10/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum		0.357	mg/L		0.2	SW846-6010A
Arsenic	W	0.028	mg/L		0.005	SW846-7060
Barium		0.133	mg/L		0.05	SW846-6010A
Beryllium	BU	0.005	mg/L		0.005	SW846-6010A
Calcium	N	25.1	mg/L		0.5	SW846-6010A
Cobalt	U	0.01	mg/L		0.01	SW846-6010A
Iron	B	0.361	mg/L		0.2	SW846-6010A
Magnesium		10.3	mg/L		0.05	SW846-6010A
Manganese		1.2	mg/L		0.05	SW846-6010A
Potassium	U	2	mg/L		2	SW846-6010A
Sodium		22.6	mg/L		2	SW846-6010A
Vanadium	U	0.1	mg/L		0.1	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A

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**004-029**

**ERI99-W3-4**

**WAG 3 - SWMU 4**

**004029WA075**

Collected: 9/11/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	N	6.27	mg/L		0.2	SW846-6010A
Arsenic	NW	0.008	mg/L		0.005	SW846-7060
Barium		0.115	mg/L		0.05	SW846-6010A
Beryllium	BU	0.005	mg/L		0.005	SW846-6010A
Cadmium	U	0.01	mg/L		0.01	SW846-6010A
Calcium	N	21.8	mg/L		0.5	SW846-6010A
Chromium	BU	0.05	mg/L		0.05	SW846-6010A
Cobalt		0.024	mg/L		0.01	SW846-6010A
Copper	U	0.05	mg/L		0.05	SW846-6010A
Iron	N	17.6	mg/L		0.2	SW846-6010A
Magnesium		9.09	mg/L		0.05	SW846-6010A
Manganese	N	0.69	mg/L		0.05	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Potassium	U	2	mg/L		2	SW846-6010A
Selenium	*NUW	0.005	mg/L		0.005	SW846-7740
Silver	BNU	0.05	mg/L		0.05	SW846-6010A
Sodium	N	16.4	mg/L		2	SW846-6010A
Thallium	NU	0.2	mg/L		0.2	SW846-6010A
Vanadium	U	0.1	mg/L		0.1	SW846-6010A
Zinc	BU	0.2	mg/L		0.2	SW846-6010A
<b>RADS</b>						
Alpha activity	A	1.3	pCi/L	1.5	2.5	SW846-9310
Beta activity		41.1	pCi/L	2.8	2.5	SW846-9310
Technetium-99		52	pCi/L	9.6	13	DNT
<b>SVOA</b>						
1,2,4-Trichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,2-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,3-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,4-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
2,4,5-Trichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4,6-Trichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dimethylphenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dinitrophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dinitrotoluene	U	0.01	mg/L		0.01	SW846-8270 M
2,6-Dinitrotoluene	U	0.01	mg/L		0.01	SW846-8270 M
2-Chloronaphthalene	U	0.01	mg/L		0.01	SW846-8270 M
2-Chlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Methyl-4,6-dinitrophenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Methylnaphthalene	U	0.01	mg/L		0.01	SW846-8270 M
2-Methylphenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Nitrobenzenamine	U	0.01	mg/L		0.01	SW846-8270 M
2-Nitrophenol	U	0.01	mg/L		0.01	SW846-8270 M
3,3'-Dichlorobenzidine	U	0.01	mg/L		0.01	SW846-8270 M
3-Nitrobenzenamine	U	0.01	mg/L		0.01	SW846-8270 M
4-Bromophenyl phenyl ether	U	0.01	mg/L		0.01	SW846-8270 M
4-Chloro-3-methylphenol	U	0.01	mg/L		0.01	SW846-8270 M
4-Chlorobenzenamine	U	0.01	mg/L		0.01	SW846-8270 M

## 004-029

## ERI99-W3-4

## WAG 3 - SWMU 4

4-Chlorophenyl phenyl ether	U	0.01	mg/L	0.01	SW846-8270 M
4-Methylphenol	U	0.01	mg/L	0.01	SW846-8270 M
4-Nitrobenzenamine	U	0.01	mg/L	0.01	SW846-8270 M
4-Nitrophenol	U	0.01	mg/L	0.01	SW846-8270 M
Acenaphthene	U	0.01	mg/L	0.01	SW846-8270 M
Acenaphthylene	U	0.01	mg/L	0.01	SW846-8270 M
Anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Benz(a)anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(a)pyrene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(b)fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(ghi)perylene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(k)fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroethoxy)methane	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroethyl) ether	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroisopropyl) ether	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-ethylhexyl)phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Butyl benzyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Carbazole	U	0.01	mg/L	0.01	SW846-8270 M
Chrysene	U	0.01	mg/L	0.01	SW846-8270 M
Dibenz(a,h)anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Dibenzofuran	U	0.01	mg/L	0.01	SW846-8270 M
Diethyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Dimethyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Di-n-butyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Di-n-octylphthalate	U	0.01	mg/L	0.01	SW846-8270 M
Fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Fluorene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorobenzene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorobutadiene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorocyclopentadiene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachloroethane	U	0.01	mg/L	0.01	SW846-8270 M
Indeno(1,2,3-cd)pyrene	U	0.01	mg/L	0.01	SW846-8270 M
Isophorone	U	0.01	mg/L	0.01	SW846-8270 M
Naphthalene	U	0.01	mg/L	0.01	SW846-8270 M
Nitrobenzene	U	0.01	mg/L	0.01	SW846-8270 M
N-Nitroso-di-n-propylamine	U	0.01	mg/L	0.01	SW846-8270 M
N-Nitrosodiphenylamine	U	0.01	mg/L	0.01	SW846-8270 M
Pentachlorophenol	U	0.01	mg/L	0.01	SW846-8270 M
Phenanthrene	U	0.01	mg/L	0.01	SW846-8270 M
Phenol	U	0.01	mg/L	0.01	SW846-8270 M
Pyrene	U	0.01	mg/L	0.01	SW846-8270 M
<b>VOA</b>					
1,1-Dichloroethene		0.0043	mg/L	0.001	SW846-8021 M
cis-1,2-Dichloroethene		0.02	mg/L	0.001	SW846-8021 M
trans-1,2-Dichloroethene	J	0.0005	mg/L	0.001	SW846-8021 M
Trichloroethene		0.4	mg/L	0.001	SW846-8021 M
Vinyl chloride	J	0.0004	mg/L	0.001	SW846-8021 M
<b>WETCHEM</b>					
Cyanide	U	0.02	mg/L	0.02	SW846-9014

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**004-029**

**ERI99-W3-4**

**WAG 3 - SWMU 4**

**004029WA075-45**

Collected: 9/11/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Arsenic	W	0.006	mg/L		0.005	SW846-7060
Barium		0.097	mg/L		0.05	SW846-6010A
Calcium	N	21.6	mg/L		0.5	SW846-6010A
Cobalt		0.015	mg/L		0.01	SW846-6010A
Iron		1.38	mg/L		0.2	SW846-6010A
Magnesium		9.05	mg/L		0.05	SW846-6010A
Manganese		0.578	mg/L		0.05	SW846-6010A
Sodium	J	17	mg/L		2	SW846-6010A

**004029WA075-5**

Collected: 9/11/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Arsenic	W	0.006	mg/L		0.005	SW846-7060
Barium		0.094	mg/L		0.05	SW846-6010A
Calcium	N	21.1	mg/L		0.5	SW846-6010A
Cobalt		0.014	mg/L		0.01	SW846-6010A
Iron	B	0.467	mg/L		0.2	SW846-6010A
Magnesium		8.76	mg/L		0.05	SW846-6010A
Manganese		0.475	mg/L		0.05	SW846-6010A
Sodium		17.6	mg/L		2	SW846-6010A



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**004-029**

**ERI99-W3-4**

**WAG 3 - SWMU 4**

**004029WA080**

Collected: 9/11/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	N	3.42	mg/L		0.2	SW846-6010A
Barium		0.104	mg/L		0.05	SW846-6010A
Beryllium	BU	0.005	mg/L		0.005	SW846-6010A
Cadmium	U	0.01	mg/L		0.01	SW846-6010A
Calcium	N	20.4	mg/L		0.5	SW846-6010A
Chromium	BU	0.05	mg/L		0.05	SW846-6010A
Cobalt		0.014	mg/L		0.01	SW846-6010A
Copper	U	0.05	mg/L		0.05	SW846-6010A
Iron	N	43.1	mg/L		0.2	SW846-6010A
Magnesium		8.49	mg/L		0.05	SW846-6010A
Manganese	N	0.475	mg/L		0.05	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Potassium	U	2	mg/L		2	SW846-6010A
Selenium	*NUW	0.005	mg/L		0.005	SW846-7740
Silver	BNU	0.05	mg/L		0.05	SW846-6010A
Sodium	N	14.6	mg/L		2	SW846-6010A
Thallium	NU	0.2	mg/L		0.2	SW846-6010A
Vanadium	U	0.1	mg/L		0.1	SW846-6010A
Zinc	BU	0.2	mg/L		0.2	SW846-6010A
<b>RADS</b>						
Alpha activity		2.1	pCi/L	1.3	2	SW846-9310
Beta activity		7.7	pCi/L	1.9	2.7	SW846-9310
Technetium-99		18.4	pCi/L	8.5	13	DNT
<b>SVOA</b>						
1,2,4-Trichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,2-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,3-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,4-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
2,4,5-Trichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4,6-Trichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dimethylphenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dinitrotoluene	U	0.01	mg/L		0.01	SW846-8270 M
2,6-Dinitrotoluene	U	0.01	mg/L		0.01	SW846-8270 M
2-Chloronaphthalene	U	0.01	mg/L		0.01	SW846-8270 M
2-Chlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Methyl-4,6-dinitrophenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Methylnaphthalene	U	0.01	mg/L		0.01	SW846-8270 M
2-Methylphenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Nitrobenzenamine	U	0.01	mg/L		0.01	SW846-8270 M
2-Nitrophenol	U	0.01	mg/L		0.01	SW846-8270 M
3,3'-Dichlorobenzidine	U	0.01	mg/L		0.01	SW846-8270 M
3-Nitrobenzenamine	U	0.01	mg/L		0.01	SW846-8270 M
4-Bromophenyl phenyl ether	U	0.01	mg/L		0.01	SW846-8270 M
4-Chloro-3-methylphenol	U	0.01	mg/L		0.01	SW846-8270 M
4-Chlorobenzenamine	U	0.01	mg/L		0.01	SW846-8270 M
4-Chlorophenyl phenyl ether	U	0.01	mg/L		0.01	SW846-8270 M
4-Methylphenol	U	0.01	mg/L		0.01	SW846-8270 M

## 004-029

## ERI99-W3-4

## WAG 3 - SWMU 4

4-Nitrobenzenamine	U	0.01	mg/L	0.01	SW846-8270 M
4-Nitrophenol	U	0.01	mg/L	0.01	SW846-8270 M
Acenaphthene	U	0.01	mg/L	0.01	SW846-8270 M
Acenaphthylene	U	0.01	mg/L	0.01	SW846-8270 M
Anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Benz(a)anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(a)pyrene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(b)fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(ghi)perylene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(k)fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroethoxy)methane	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroethyl) ether	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroisopropyl) ether	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-ethylhexyl)phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Carbazole	U	0.01	mg/L	0.01	SW846-8270 M
Chrysene	U	0.01	mg/L	0.01	SW846-8270 M
Dibenz(a,h)anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Dibenzofuran	U	0.01	mg/L	0.01	SW846-8270 M
Diethyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Dimethyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Di-n-butyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Di-n-octylphthalate	U	0.01	mg/L	0.01	SW846-8270 M
Fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Fluorene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorobenzene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorobutadiene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorocyclopentadiene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachloroethane	U	0.01	mg/L	0.01	SW846-8270 M
Indeno(1,2,3-cd)pyrene	U	0.01	mg/L	0.01	SW846-8270 M
Isophorone	U	0.01	mg/L	0.01	SW846-8270 M
Naphthalene	U	0.01	mg/L	0.01	SW846-8270 M
Nitrobenzene	U	0.01	mg/L	0.01	SW846-8270 M
N-Nitroso-di-n-propylamine	U	0.01	mg/L	0.01	SW846-8270 M
N-Nitrosodiphenylamine	U	0.01	mg/L	0.01	SW846-8270 M
Pentachlorophenol	U	0.01	mg/L	0.01	SW846-8270 M
Phenanthrene	U	0.01	mg/L	0.01	SW846-8270 M
Phenol	U	0.01	mg/L	0.01	SW846-8270 M
Pyrene	U	0.01	mg/L	0.01	SW846-8270 M
<b>VOA</b>					
1,1-Dichloroethene	J	0.0007	mg/L	0.001	SW846-8021 M
cis-1,2-Dichloroethene		0.0012	mg/L	0.001	SW846-8021 M
trans-1,2-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
Trichloroethene		0.069	mg/L	0.001	SW846-8021 M
Vinyl chloride	U	0.001	mg/L	0.001	SW846-8021 M
<b>WETCHEM</b>					
Cyanide	U	0.02	mg/L	0.02	SW846-9014

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ERI99-W3-4

WAG 3 - SWMU 4

004029WA080-45

Collected: 9/11/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium		0.09	mg/L		0.05	SW846-6010A
Calcium	N	20.2	mg/L		0.5	SW846-6010A
Cobalt		0.012	mg/L		0.01	SW846-6010A
Iron		1.16	mg/L		0.2	SW846-6010A
Magnesium		8.47	mg/L		0.05	SW846-6010A
Manganese		0.447	mg/L		0.05	SW846-6010A
Sodium	J	15.2	mg/L		2	SW846-6010A

004029WA080-5

Collected: 9/11/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium		0.085	mg/L		0.05	SW846-6010A
Calcium	N	20	mg/L		0.5	SW846-6010A
Cobalt	U	0.01	mg/L		0.01	SW846-6010A
Iron	B	1.13	mg/L		0.2	SW846-6010A
Magnesium		8.25	mg/L		0.05	SW846-6010A
Manganese		0.365	mg/L		0.05	SW846-6010A
Sodium		15.9	mg/L		2	SW846-6010A

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004-029

ERI99-W3-4

WAG 3 - SWMU 4

004029WA085

Collected: 9/11/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	N	14.2	mg/L		0.2	SW846-6010A
Barium		0.25	mg/L		0.05	SW846-6010A
Beryllium	B	0.005	mg/L		0.005	SW846-6010A
Cadmium	U	0.01	mg/L		0.01	SW846-6010A
Calcium	N	20	mg/L		0.5	SW846-6010A
Chromium	BU	0.05	mg/L		0.05	SW846-6010A
Cobalt		0.052	mg/L		0.01	SW846-6010A
Copper	U	0.05	mg/L		0.05	SW846-6010A
Iron	N	129	mg/L		0.2	SW846-6010A
Magnesium		9.06	mg/L		0.05	SW846-6010A
Manganese	N	2.52	mg/L		0.05	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Potassium	U	2	mg/L		2	SW846-6010A
Selenium	*NUW	0.005	mg/L		0.005	SW846-7740
Silver	BNU	0.05	mg/L		0.05	SW846-6010A
Sodium	N	14.3	mg/L		2	SW846-6010A
Thallium	NU	0.2	mg/L		0.2	SW846-6010A
Vanadium	U	0.1	mg/L		0.1	SW846-6010A
Zinc	B	0.258	mg/L		0.2	SW846-6010A
<b>RADS</b>						
Alpha activity		3	pCi/L	1.6	2.4	SW846-9310
Beta activity		6.1	pCi/L	1.8	2.7	SW846-9310
Technetium-99	A	4.6	pCi/L	8.7	15	DNT
<b>SVOA</b>						
1,2,4-Trichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,2-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,3-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,4-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
2,4,5-Trichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4,6-Trichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dimethylphenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dinitrotoluene	U	0.01	mg/L		0.01	SW846-8270 M
2,6-Dinitrotoluene	U	0.01	mg/L		0.01	SW846-8270 M
2-Chloronaphthalene	U	0.01	mg/L		0.01	SW846-8270 M
2-Chlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Methyl-4,6-dinitrophenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Methylnaphthalene	U	0.01	mg/L		0.01	SW846-8270 M
2-Methylphenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Nitrobenzenamine	U	0.01	mg/L		0.01	SW846-8270 M
2-Nitrophenol	U	0.01	mg/L		0.01	SW846-8270 M
3,3'-Dichlorobenzidine	U	0.01	mg/L		0.01	SW846-8270 M
3-Nitrobenzenamine	U	0.01	mg/L		0.01	SW846-8270 M
4-Bromophenyl phenyl ether	U	0.01	mg/L		0.01	SW846-8270 M
4-Chloro-3-methylphenol	U	0.01	mg/L		0.01	SW846-8270 M
4-Chlorobenzenamine	U	0.01	mg/L		0.01	SW846-8270 M
4-Chlorophenyl phenyl ether	U	0.01	mg/L		0.01	SW846-8270 M
4-Methylphenol	U	0.01	mg/L		0.01	SW846-8270 M

\*QUALIFIER Codes See attached List.

## 004-029

## ERI99-W3-4

## WAG 3 - SWMU 4

4-Nitrobenzenamine	U	0.01	mg/L	0.01	SW846-8270 M
4-Nitrophenol	U	0.01	mg/L	0.01	SW846-8270 M
Acenaphthene	U	0.01	mg/L	0.01	SW846-8270 M
Acenaphthylene	U	0.01	mg/L	0.01	SW846-8270 M
Anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Benz(a)anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(a)pyrene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(b)fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(ghi)perylene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(k)fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroethoxy)methane	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroethyl) ether	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroisopropyl) ether	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-ethylhexyl)phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Carbazole	U	0.01	mg/L	0.01	SW846-8270 M
Chrysene	U	0.01	mg/L	0.01	SW846-8270 M
Dibenz(a,h)anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Dibenzofuran	U	0.01	mg/L	0.01	SW846-8270 M
Diethyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Dimethyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Di-n-butyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Di-n-octylphthalate	U	0.01	mg/L	0.01	SW846-8270 M
Fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Fluorene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorobenzene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorobutadiene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorocyclopentadiene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachloroethane	U	0.01	mg/L	0.01	SW846-8270 M
Indeno(1,2,3-cd)pyrene	U	0.01	mg/L	0.01	SW846-8270 M
Isophorone	U	0.01	mg/L	0.01	SW846-8270 M
Naphthalene	U	0.01	mg/L	0.01	SW846-8270 M
Nitrobenzene	U	0.01	mg/L	0.01	SW846-8270 M
N-Nitroso-di-n-propylamine	U	0.01	mg/L	0.01	SW846-8270 M
N-Nitrosodiphenylamine	U	0.01	mg/L	0.01	SW846-8270 M
Pentachlorophenol	U	0.01	mg/L	0.01	SW846-8270 M
Phenanthrene	U	0.01	mg/L	0.01	SW846-8270 M
Phenol	U	0.01	mg/L	0.01	SW846-8270 M
Pyrene	U	0.01	mg/L	0.01	SW846-8270 M
<b>VOA</b>					
1,1-Dichloroethene	J	0.0007	mg/L	0.001	SW846-8021 M
cis-1,2-Dichloroethene	J	0.0003	mg/L	0.001	SW846-8021 M
trans-1,2-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
Trichloroethene		0.054	mg/L	0.001	SW846-8021 M
Vinyl chloride	U	0.001	mg/L	0.001	SW846-8021 M
<b>WETCHEM</b>					
Cyanide	U	0.02	mg/L	0.02	SW846-9014

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**004-029**

**ERI99-W3-4**

**WAG 3 - SWMU 4**

**004029WA085-45**

Collected: 9/11/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium		0.104	mg/L		0.05	SW846-6010A
Beryllium	BU	0.005	mg/L		0.005	SW846-6010A
Calcium	N	19.4	mg/L		0.5	SW846-6010A
Cobalt		0.015	mg/L		0.01	SW846-6010A
Iron	BU	0.2	mg/L		0.2	SW846-6010A
Magnesium		8.12	mg/L		0.05	SW846-6010A
Manganese		0.6	mg/L		0.05	SW846-6010A
Sodium	J	15.3	mg/L		2	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A

**004029WA085-5**

Collected: 9/11/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium		0.091	mg/L		0.05	SW846-6010A
Beryllium	BU	0.005	mg/L		0.005	SW846-6010A
Calcium	N	18.9	mg/L		0.5	SW846-6010A
Cobalt	U	0.01	mg/L		0.01	SW846-6010A
Iron	B	0.408	mg/L		0.2	SW846-6010A
Magnesium		7.98	mg/L		0.05	SW846-6010A
Manganese		0.377	mg/L		0.05	SW846-6010A
Sodium		15.8	mg/L		2	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A

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**004-029**

**ERI99-W3-4**

**WAG 3 - SWMU 4**

**004029WA090**

Collected: 9/11/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		26.7	mg/L		2	SW846-9056
Fluoride		0.15	mg/L		0.1	EPA-340.2
Nitrate	JU	4	mg/L		4	SW846-9056
Nitrate as Nitrogen	JU	1	mg/L		1	SW846-9056
Orthophosphate	JU	6	mg/L		6	SW846-9056
Sulfate		7.1	mg/L		5	SW846-9056
<b>METAL</b>						
Aluminum	N	14.7	mg/L		0.2	SW846-6010A
Barium		0.194	mg/L		0.05	SW846-6010A
Beryllium	BU	0.005	mg/L		0.005	SW846-6010A
Cadmium	U	0.01	mg/L		0.01	SW846-6010A
Calcium	N	19.1	mg/L		0.5	SW846-6010A
Chromium	BU	0.05	mg/L		0.05	SW846-6010A
Cobalt		0.08	mg/L		0.01	SW846-6010A
Copper	U	0.05	mg/L		0.05	SW846-6010A
Iron	N	108	mg/L		0.2	SW846-6010A
Magnesium		8.77	mg/L		0.05	SW846-6010A
Manganese	N	1.44	mg/L		0.05	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Potassium		2.87	mg/L		2	SW846-6010A
Selenium	*NUW	0.005	mg/L		0.005	SW846-7740
Silver	BNU	0.05	mg/L		0.05	SW846-6010A
Sodium	N	14.8	mg/L		2	SW846-6010A
Thallium	NU	0.2	mg/L		0.2	SW846-6010A
Vanadium	U	0.1	mg/L		0.1	SW846-6010A
Zinc	B	0.25	mg/L		0.2	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids	*	135	mg/L		100	EPA-160.2
pH		6.38	none			SW846-9040
Redox		146	mV			SM-2580-B
<b>RADS</b>						
Alpha activity		2.5	pCi/L	1.4	2.1	SW846-9310
Beta activity		4.8	pCi/L	1.6	2.5	SW846-9310
Technetium-99	A	3	pCi/L	8.6	15	DNT
<b>SVOA</b>						
1,2,4-Trichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,2-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,3-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,4-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
2,4,5-Trichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4,6-Trichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dimethylphenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dinitrotoluene	U	0.01	mg/L		0.01	SW846-8270 M
2,6-Dinitrotoluene	U	0.01	mg/L		0.01	SW846-8270 M
2-Chloronaphthalene	U	0.01	mg/L		0.01	SW846-8270 M
2-Chlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Methyl-4,6-dinitrophenol	U	0.01	mg/L		0.01	SW846-8270 M

## 004-029

## ERI99-W3-4

## WAG 3 - SWMU 4

2-Methylnaphthalene	U	0.01	mg/L	0.01	SW846-8270 M
2-Methylphenol	U	0.01	mg/L	0.01	SW846-8270 M
2-Nitrobenzenamine	U	0.01	mg/L	0.01	SW846-8270 M
2-Nitrophenol	U	0.01	mg/L	0.01	SW846-8270 M
3,3'-Dichlorobenzidine	U	0.01	mg/L	0.01	SW846-8270 M
3-Nitrobenzenamine	U	0.01	mg/L	0.01	SW846-8270 M
4-Bromophenyl phenyl ether	U	0.01	mg/L	0.01	SW846-8270 M
4-Chloro-3-methylphenol	U	0.01	mg/L	0.01	SW846-8270 M
4-Chlorobenzenamine	U	0.01	mg/L	0.01	SW846-8270 M
4-Chlorophenyl phenyl ether	U	0.01	mg/L	0.01	SW846-8270 M
4-Methylphenol	U	0.01	mg/L	0.01	SW846-8270 M
4-Nitrobenzenamine	U	0.01	mg/L	0.01	SW846-8270 M
4-Nitrophenol	U	0.01	mg/L	0.01	SW846-8270 M
Acenaphthene	U	0.01	mg/L	0.01	SW846-8270 M
Acenaphthylene	U	0.01	mg/L	0.01	SW846-8270 M
Anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Benz(a)anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(a)pyrene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(b)fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(ghi)perylene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(k)fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroethoxy)methane	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroethyl) ether	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroisopropyl) ether	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-ethylhexyl)phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Carbazole	U	0.01	mg/L	0.01	SW846-8270 M
Chrysene	U	0.01	mg/L	0.01	SW846-8270 M
Dibenz(a,h)anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Dibenzofuran	U	0.01	mg/L	0.01	SW846-8270 M
Diethyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Dimethyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Di-n-butyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Di-n-octylphthalate	U	0.01	mg/L	0.01	SW846-8270 M
Fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Fluorene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorobenzene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorobutadiene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorocyclopentadiene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachloroethane	U	0.01	mg/L	0.01	SW846-8270 M
Indeno(1,2,3-cd)pyrene	U	0.01	mg/L	0.01	SW846-8270 M
Isophorone	U	0.01	mg/L	0.01	SW846-8270 M
Naphthalene	U	0.01	mg/L	0.01	SW846-8270 M
Nitrobenzene	U	0.01	mg/L	0.01	SW846-8270 M
N-Nitroso-di-n-propylamine	U	0.01	mg/L	0.01	SW846-8270 M
N-Nitrosodiphenylamine	U	0.01	mg/L	0.01	SW846-8270 M
Pentachlorophenol	U	0.01	mg/L	0.01	SW846-8270 M
Phenanthrene	U	0.01	mg/L	0.01	SW846-8270 M
Phenol	U	0.01	mg/L	0.01	SW846-8270 M
Pyrene	U	0.01	mg/L	0.01	SW846-8270 M

## VOA

1,1-Dichloroethene	J	0.0009	mg/L	0.001	SW846-8021 M
cis-1,2-Dichloroethene	J	0.0008	mg/L	0.001	SW846-8021 M
trans-1,2-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
Trichloroethene		0.11	mg/L	0.001	SW846-8021 M
Vinyl chloride	U	0.001	mg/L	0.001	SW846-8021 M



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ERI99-W3-4

WAG 3 - SWMU 4

WETCHEM

Alkalinity		69 mg/L	10	EPA-310.1
Ammonia	U	0.2 mg/L	0.2	EPA-350.2
Bicarbonate as CaCO3		64 mg/L	10	SM-2320 B 17
Carbonate as CaCO3	U	10 mg/L	10	SM-2320 B 17
Chemical Oxygen Demand (COD)	JU	25 mg/L	25	EPA-410.4 1978
Cyanide	U	0.02 mg/L	0.02	SW846-9014
Phosphate as Phosphorous	JU	2 mg/L	2	SW846-9056
Silica	J	16 mg/L	1	EPA-370.1
Suspended Solids		606 mg/L	10	EPA-160.1
Total Organic Carbon (TOC)	X	1.9 mg/L	1	SW846-9060
Turbidity		640 NTU	0.5	EPA-180.1 1978

004029WA090-45

Collected: 9/11/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium		0.105	mg/L		0.05	SW846-6010A
Calcium	N	18.2	mg/L		0.5	SW846-6010A
Cobalt		0.026	mg/L		0.01	SW846-6010A
Iron		0.93	mg/L		0.2	SW846-6010A
Magnesium		7.57	mg/L		0.05	SW846-6010A
Manganese		0.64	mg/L		0.05	SW846-6010A
Potassium	U	2	mg/L		2	SW846-6010A
Sodium	J	15.9	mg/L		2	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A

004029WA090-5

Collected: 9/11/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium		0.1	mg/L		0.05	SW846-6010A
Calcium	N	17.7	mg/L		0.5	SW846-6010A
Cobalt		0.022	mg/L		0.01	SW846-6010A
Iron	B	0.997	mg/L		0.2	SW846-6010A
Magnesium		7.3	mg/L		0.05	SW846-6010A
Manganese		0.584	mg/L		0.05	SW846-6010A
Potassium	U	2	mg/L		2	SW846-6010A
Sodium		16.5	mg/L		2	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A

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**ERI99-W3-4**

**WAG 3 - SWMU 4**

**004029WA095**

Collected: 9/11/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	N	3.06	mg/L		0.2	SW846-6010A
Barium		0.153	mg/L		0.05	SW846-6010A
Beryllium	BU	0.005	mg/L		0.005	SW846-6010A
Cadmium	U	0.01	mg/L		0.01	SW846-6010A
Calcium	N	18.8	mg/L		0.5	SW846-6010A
Chromium	BU	0.05	mg/L		0.05	SW846-6010A
Cobalt		0.028	mg/L		0.01	SW846-6010A
Copper	U	0.05	mg/L		0.05	SW846-6010A
Iron	N	17.6	mg/L		0.2	SW846-6010A
Magnesium		7.58	mg/L		0.05	SW846-6010A
Manganese	N	1.07	mg/L		0.05	SW846-6010A
Mercury		0.0003	mg/L		0.0002	SW846-7470
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Potassium	U	2	mg/L		2	SW846-6010A
Selenium	*NUW	0.005	mg/L		0.005	SW846-7740
Silver	BNU	0.05	mg/L		0.05	SW846-6010A
Sodium	N	14	mg/L		2	SW846-6010A
Thallium	NU	0.2	mg/L		0.2	SW846-6010A
Vanadium	U	0.1	mg/L		0.1	SW846-6010A
Zinc	BU	0.2	mg/L		0.2	SW846-6010A
<b>RADS</b>						
Alpha activity		2.4	pCi/L	1.3	1.7	SW846-9310
Beta activity		3.9	pCi/L	1.5	2.4	SW846-9310
Technetium-99	A	-0.2	pCi/L	8.5	15	DNT
<b>SVOA</b>						
1,2,4-Trichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,2-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,3-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,4-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
2,4,5-Trichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4,6-Trichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dimethylphenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dinitrotoluene	U	0.01	mg/L		0.01	SW846-8270 M
2,6-Dinitrotoluene	U	0.01	mg/L		0.01	SW846-8270 M
2-Chloronaphthalene	U	0.01	mg/L		0.01	SW846-8270 M
2-Chlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Methyl-4,6-dinitrophenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Methylnaphthalene	U	0.01	mg/L		0.01	SW846-8270 M
2-Methylphenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Nitrobenzenamine	U	0.01	mg/L		0.01	SW846-8270 M
2-Nitrophenol	U	0.01	mg/L		0.01	SW846-8270 M
3,3'-Dichlorobenzidine	U	0.01	mg/L		0.01	SW846-8270 M
3-Nitrobenzenamine	U	0.01	mg/L		0.01	SW846-8270 M
4-Bromophenyl phenyl ether	U	0.01	mg/L		0.01	SW846-8270 M
4-Chloro-3-methylphenol	U	0.01	mg/L		0.01	SW846-8270 M
4-Chlorobenzenamine	U	0.01	mg/L		0.01	SW846-8270 M
4-Chlorophenyl phenyl ether	U	0.01	mg/L		0.01	SW846-8270 M
4-Methylphenol	U	0.01	mg/L		0.01	SW846-8270 M

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## ERI99-W3-4

## WAG 3 - SWMU 4

4-Nitrobenzenamine	U	0.01	mg/L	0.01	SW846-8270 M
4-Nitrophenol	U	0.01	mg/L	0.01	SW846-8270 M
Acenaphthene	U	0.01	mg/L	0.01	SW846-8270 M
Acenaphthylene	U	0.01	mg/L	0.01	SW846-8270 M
Anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Benz(a)anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(a)pyrene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(b)fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(ghi)perylene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(k)fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroethoxy)methane	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroethyl) ether	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroisopropyl) ether	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-ethylhexyl)phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Carbazole	U	0.01	mg/L	0.01	SW846-8270 M
Chrysene	U	0.01	mg/L	0.01	SW846-8270 M
Dibenz(a,h)anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Dibenzofuran	U	0.01	mg/L	0.01	SW846-8270 M
Diethyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Dimethyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Di-n-butyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Di-n-octylphthalate	U	0.01	mg/L	0.01	SW846-8270 M
Fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Fluorene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorobenzene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorobutadiene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorocyclopentadiene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachloroethane	U	0.01	mg/L	0.01	SW846-8270 M
Indeno(1,2,3-cd)pyrene	U	0.01	mg/L	0.01	SW846-8270 M
Isophorone	U	0.01	mg/L	0.01	SW846-8270 M
Naphthalene	U	0.01	mg/L	0.01	SW846-8270 M
Nitrobenzene	U	0.01	mg/L	0.01	SW846-8270 M
N-Nitroso-di-n-propylamine	U	0.01	mg/L	0.01	SW846-8270 M
N-Nitrosodiphenylamine	U	0.01	mg/L	0.01	SW846-8270 M
Pentachlorophenol	U	0.01	mg/L	0.01	SW846-8270 M
Phenanthrene	U	0.01	mg/L	0.01	SW846-8270 M
Phenol	U	0.01	mg/L	0.01	SW846-8270 M
Pyrene	U	0.01	mg/L	0.01	SW846-8270 M
<b>VOA</b>					
1,1-Dichloroethene		0.003	mg/L	0.001	SW846-8021 M
cis-1,2-Dichloroethene		0.0048	mg/L	0.001	SW846-8021 M
trans-1,2-Dichloroethene	J	0.0005	mg/L	0.001	SW846-8021 M
Trichloroethene		0.18	mg/L	0.001	SW846-8021 M
Vinyl chloride	J	0.0002	mg/L	0.001	SW846-8021 M
<b>WETCHEM</b>					
Cyanide	U	0.02	mg/L	0.02	SW846-9014

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ERI99-W3-4

WAG 3 - SWMU 4

004029WA095-45

Collected: 9/11/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium		0.135	mg/L		0.05	SW846-6010A
Calcium	N	18.2	mg/L		0.5	SW846-6010A
Cobalt		0.022	mg/L		0.01	SW846-6010A
Iron	B	0.313	mg/L		0.2	SW846-6010A
Magnesium		7.44	mg/L		0.05	SW846-6010A
Manganese		0.933	mg/L		0.05	SW846-6010A
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470
Sodium	J	14.2	mg/L		2	SW846-6010A

004029WA095-5

Collected: 9/11/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium		0.125	mg/L		0.05	SW846-6010A
Calcium	N	17.7	mg/L		0.5	SW846-6010A
Cobalt		0.018	mg/L		0.01	SW846-6010A
Iron	B	0.413	mg/L		0.2	SW846-6010A
Magnesium		7.18	mg/L		0.05	SW846-6010A
Manganese		0.841	mg/L		0.05	SW846-6010A
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470
Sodium		14.7	mg/L		2	SW846-6010A

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**004-029**

**ERI99-W3-4**

**WAG 3 - SWMU 4**

**004029WA100**

Collected: 9/11/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	N	16.4	mg/L		0.2	SW846-6010A
Barium		0.256	mg/L		0.05	SW846-6010A
Beryllium	BU	0.005	mg/L		0.005	SW846-6010A
Cadmium	U	0.01	mg/L		0.01	SW846-6010A
Calcium	N	20.4	mg/L		0.5	SW846-6010A
Chromium	BU	0.05	mg/L		0.05	SW846-6010A
Cobalt		0.073	mg/L		0.01	SW846-6010A
Copper	U	0.05	mg/L		0.05	SW846-6010A
Iron	N	84.1	mg/L		0.2	SW846-6010A
Magnesium		9.37	mg/L		0.05	SW846-6010A
Manganese	N	2.75	mg/L		0.05	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Potassium		2.94	mg/L		2	SW846-6010A
Selenium	*NUW	0.005	mg/L		0.005	SW846-7740
Silver	BNU	0.05	mg/L		0.05	SW846-6010A
Sodium	N	12.4	mg/L		2	SW846-6010A
Thallium	NU	0.2	mg/L		0.2	SW846-6010A
Vanadium	U	0.1	mg/L		0.1	SW846-6010A
Zinc	B	0.223	mg/L		0.2	SW846-6010A
<b>RADS</b>						
Alpha activity		2.7	pCi/L	1.3	1.7	SW846-9310
Beta activity		3.4	pCi/L	1.6	2.4	SW846-9310
Technetium-99	A	7.9	pCi/L	8.8	15	DNT
<b>SVOA</b>						
1,2,4-Trichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,2-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,3-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,4-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
2,4,5-Trichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4,6-Trichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dimethylphenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dinitrophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dinitrotoluene	U	0.01	mg/L		0.01	SW846-8270 M
2,6-Dinitrotoluene	U	0.01	mg/L		0.01	SW846-8270 M
2-Chloronaphthalene	U	0.01	mg/L		0.01	SW846-8270 M
2-Chlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Methyl-4,6-dinitrophenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Methylnaphthalene	U	0.01	mg/L		0.01	SW846-8270 M
2-Methylphenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Nitrobenzenamine	U	0.01	mg/L		0.01	SW846-8270 M
2-Nitrophenol	U	0.01	mg/L		0.01	SW846-8270 M
3,3'-Dichlorobenzidine	U	0.01	mg/L		0.01	SW846-8270 M
3-Nitrobenzenamine	U	0.01	mg/L		0.01	SW846-8270 M
4-Bromophenyl phenyl ether	U	0.01	mg/L		0.01	SW846-8270 M
4-Chloro-3-methylphenol	U	0.01	mg/L		0.01	SW846-8270 M
4-Chlorobenzenamine	U	0.01	mg/L		0.01	SW846-8270 M
4-Chlorophenyl phenyl ether	U	0.01	mg/L		0.01	SW846-8270 M

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## ERI99-W3-4

## WAG 3 - SWMU 4

4-Methylphenol	U	0.01	mg/L	0.01	SW846-8270 M
4-Nitrobenzenamine	U	0.01	mg/L	0.01	SW846-8270 M
4-Nitrophenol	U	0.01	mg/L	0.01	SW846-8270 M
Acenaphthene	U	0.01	mg/L	0.01	SW846-8270 M
Acenaphthylene	U	0.01	mg/L	0.01	SW846-8270 M
Anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Benz(a)anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(a)pyrene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(b)fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(ghi)perylene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(k)fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroethoxy)methane	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroethyl) ether	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroisopropyl) ether	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-ethylhexyl)phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Butyl benzyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Carbazole	U	0.01	mg/L	0.01	SW846-8270 M
Chrysene	U	0.01	mg/L	0.01	SW846-8270 M
Dibenz(a,h)anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Dibenzofuran	U	0.01	mg/L	0.01	SW846-8270 M
Diethyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Dimethyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Di-n-butyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Di-n-octylphthalate	U	0.01	mg/L	0.01	SW846-8270 M
Fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Fluorene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorobenzene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorobutadiene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorocyclopentadiene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachloroethane	U	0.01	mg/L	0.01	SW846-8270 M
Indeno(1,2,3-cd)pyrene	U	0.01	mg/L	0.01	SW846-8270 M
Isophorone	U	0.01	mg/L	0.01	SW846-8270 M
Naphthalene	U	0.01	mg/L	0.01	SW846-8270 M
Nitrobenzene	U	0.01	mg/L	0.01	SW846-8270 M
N-Nitroso-di-n-propylamine	U	0.01	mg/L	0.01	SW846-8270 M
N-Nitrosodiphenylamine	U	0.01	mg/L	0.01	SW846-8270 M
Pentachlorophenol	U	0.01	mg/L	0.01	SW846-8270 M
Phenanthrene	U	0.01	mg/L	0.01	SW846-8270 M
Phenol	U	0.01	mg/L	0.01	SW846-8270 M
Pyrene	U	0.01	mg/L	0.01	SW846-8270 M
<b>VOA</b>					
1,1-Dichloroethene		0.0046	mg/L	0.001	SW846-8021 M
cis-1,2-Dichloroethene		0.0032	mg/L	0.001	SW846-8021 M
trans-1,2-Dichloroethene	J	0.0003	mg/L	0.001	SW846-8021 M
Trichloroethene		0.06	mg/L	0.001	SW846-8021 M
Vinyl chloride	U	0.001	mg/L	0.001	SW846-8021 M
<b>WETCHEM</b>					
Cyanide	U	0.02	mg/L	0.02	SW846-9014

# Paducah-OREIS Data Report

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12/18/2007

**004-029**

**ERI99-W3-4**

**WAG 3 - SWMU 4**

**004029WA100-45**

Collected: 9/11/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium		0.124	mg/L		0.05	SW846-6010A
Calcium	N	19.4	mg/L		0.5	SW846-6010A
Cobalt		0.025	mg/L		0.01	SW846-6010A
Iron	B	0.224	mg/L		0.2	SW846-6010A
Magnesium		7.83	mg/L		0.05	SW846-6010A
Manganese		1.19	mg/L		0.05	SW846-6010A
Potassium	U	2	mg/L		2	SW846-6010A
Sodium	J	13.1	mg/L		2	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A

**004029WA100-5**

Collected: 9/11/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium		0.116	mg/L		0.05	SW846-6010A
Calcium	N	18.9	mg/L		0.5	SW846-6010A
Cobalt		0.023	mg/L		0.01	SW846-6010A
Iron	BU	0.2	mg/L		0.2	SW846-6010A
Magnesium		7.71	mg/L		0.05	SW846-6010A
Manganese		1.11	mg/L		0.05	SW846-6010A
Potassium	U	2	mg/L		2	SW846-6010A
Sodium		13.4	mg/L		2	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A

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004-029

ERI99-W3-4

WAG 3 - SWMU 4

004029WA105

Collected: 9/11/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	N	146	mg/L		0.2	SW846-6010A
Arsenic	NW	0.014	mg/L		0.005	SW846-7060
Barium		0.386	mg/L		0.05	SW846-6010A
Beryllium		0.02	mg/L		0.005	SW846-6010A
Cadmium		0.023	mg/L		0.01	SW846-6010A
Calcium	N	43.7	mg/L		0.5	SW846-6010A
Chromium		0.311	mg/L		0.05	SW846-6010A
Cobalt		0.047	mg/L		0.01	SW846-6010A
Copper		0.072	mg/L		0.05	SW846-6010A
Iron	*N	691	mg/L		2	SW846-6010A
Lead		0.301	mg/L		0.2	SW846-6010A
Magnesium		29.4	mg/L		0.05	SW846-6010A
Manganese	N	2.3	mg/L		0.05	SW846-6010A
Mercury		0.0003	mg/L		0.0002	SW846-7470
Nickel	NU	0.5	mg/L		0.5	SW846-6010A
Potassium		23.9	mg/L		2	SW846-6010A
Selenium	*NUW	0.005	mg/L		0.005	SW846-7740
Silver	BNU	0.05	mg/L		0.05	SW846-6010A
Sodium	N	11.8	mg/L		2	SW846-6010A
Thallium	NU	0.2	mg/L		0.2	SW846-6010A
Vanadium		2.15	mg/L		0.1	SW846-6010A
Zinc	B	0.838	mg/L		0.2	SW846-6010A
<b>RADS</b>						
Alpha activity	A	1.9	pCi/L	1.4	2.2	SW846-9310
Alpha activity		6.97	pCi/L	2.26	3.84	EPA-900.0
Beta activity		12.73	pCi/L	2.06	5.84	EPA-900.0
Beta activity	A	1.8	pCi/L	1.6	2.7	SW846-9310
Technetium-99	A	2.3	pCi/L	8.6	15	DNT
Technetium-99	AX	-2.89	pCi/L	0	16.5	RL-7100
<b>SVOA</b>						
1,2,4-Trichlorobenzene	JU	0.005	mg/L		0.005	SW846-8270
1,2,4-Trichlorobenzene	U	0.014	mg/L		0.014	SW846-8270 M
1,2-Dichlorobenzene	JU	0.005	mg/L		0.005	SW846-8270
1,2-Dichlorobenzene	U	0.014	mg/L		0.014	SW846-8270 M
1,3-Dichlorobenzene	JU	0.005	mg/L		0.005	SW846-8270
1,3-Dichlorobenzene	U	0.014	mg/L		0.014	SW846-8270 M
1,4-Dichlorobenzene	U	0.014	mg/L		0.014	SW846-8270 M
1,4-Dichlorobenzene	JU	0.005	mg/L		0.005	SW846-8270
2,4,5-Trichlorophenol	U	0.014	mg/L		0.014	SW846-8270 M
2,4,5-Trichlorophenol	JU	0.005	mg/L		0.005	SW846-8270
2,4,6-Trichlorophenol	U	0.014	mg/L		0.014	SW846-8270 M
2,4,6-Trichlorophenol	JU	0.005	mg/L		0.005	SW846-8270
2,4-Dichlorophenol	U	0.014	mg/L		0.014	SW846-8270 M
2,4-Dichlorophenol	JU	0.005	mg/L		0.005	SW846-8270
2,4-Dimethylphenol	U	0.014	mg/L		0.014	SW846-8270 M
2,4-Dimethylphenol	JU	0.005	mg/L		0.005	SW846-8270
2,4-Dinitrophenol	JU	0.005	mg/L		0.005	SW846-8270
2,4-Dinitrophenol	U	0.014	mg/L		0.014	SW846-8270 M
2,4-Dinitrotoluene	U	0.014	mg/L		0.014	SW846-8270 M



## 004-029

## ERI99-W3-4

## WAG 3 - SWMU 4

2,4-Dinitrotoluene	JU	0.005	mg/L	0.005	SW846-8270
2,6-Dinitrotoluene	U	0.014	mg/L	0.014	SW846-8270 M
2,6-Dinitrotoluene	JU	0.005	mg/L	0.005	SW846-8270
2-Chloronaphthalene	U	0.014	mg/L	0.014	SW846-8270 M
2-Chloronaphthalene	JU	0.005	mg/L	0.005	SW846-8270
2-Chlorophenol	JU	0.005	mg/L	0.005	SW846-8270
2-Chlorophenol	U	0.014	mg/L	0.014	SW846-8270 M
2-Methyl-4,6-dinitrophenol	JU	0.005	mg/L	0.005	SW846-8270
2-Methyl-4,6-dinitrophenol	U	0.014	mg/L	0.014	SW846-8270 M
2-Methylnaphthalene	U	0.014	mg/L	0.014	SW846-8270 M
2-Methylnaphthalene	JU	0.005	mg/L	0.005	SW846-8270
2-Methylphenol	JU	0.005	mg/L	0.005	SW846-8270
2-Methylphenol	U	0.014	mg/L	0.014	SW846-8270 M
2-Nitrobenzenamine	U	0.014	mg/L	0.014	SW846-8270 M
2-Nitrobenzenamine	JU	0.005	mg/L	0.005	SW846-8270
2-Nitrophenol	JU	0.005	mg/L	0.005	SW846-8270
2-Nitrophenol	U	0.014	mg/L	0.014	SW846-8270 M
3,3'-Dichlorobenzidine	JU	0.005	mg/L	0.005	SW846-8270
3,3'-Dichlorobenzidine	U	0.014	mg/L	0.014	SW846-8270 M
3-Nitrobenzenamine	U	0.014	mg/L	0.014	SW846-8270 M
3-Nitrobenzenamine	JU	0.005	mg/L	0.005	SW846-8270
4-Bromophenyl phenyl ether	JU	0.005	mg/L	0.005	SW846-8270
4-Bromophenyl phenyl ether	U	0.014	mg/L	0.014	SW846-8270 M
4-Chloro-3-methylphenol	JU	0.005	mg/L	0.005	SW846-8270
4-Chloro-3-methylphenol	U	0.014	mg/L	0.014	SW846-8270 M
4-Chlorobenzenamine	U	0.014	mg/L	0.014	SW846-8270 M
4-Chlorobenzenamine	JU	0.005	mg/L	0.005	SW846-8270
4-Chlorophenyl phenyl ether	JU	0.005	mg/L	0.005	SW846-8270
4-Chlorophenyl phenyl ether	U	0.014	mg/L	0.014	SW846-8270 M
4-Methylphenol	JU	0.005	mg/L	0.005	SW846-8270
4-Methylphenol	U	0.014	mg/L	0.014	SW846-8270 M
4-Nitrobenzenamine	U	0.014	mg/L	0.014	SW846-8270 M
4-Nitrobenzenamine	JU	0.005	mg/L	0.005	SW846-8270
4-Nitrophenol	U	0.014	mg/L	0.014	SW846-8270 M
4-Nitrophenol	JU	0.005	mg/L	0.005	SW846-8270
Acenaphthene	JU	0.005	mg/L	0.005	SW846-8270
Acenaphthene	U	0.014	mg/L	0.014	SW846-8270 M
Acenaphthylene	U	0.014	mg/L	0.014	SW846-8270 M
Acenaphthylene	JU	0.005	mg/L	0.005	SW846-8270
Anthracene	U	0.014	mg/L	0.014	SW846-8270 M
Anthracene	JU	0.005	mg/L	0.005	SW846-8270
Benz(a)anthracene	U	0.014	mg/L	0.014	SW846-8270 M
Benz(a)anthracene	JU	0.005	mg/L	0.005	SW846-8270
Benzo(a)pyrene	U	0.014	mg/L	0.014	SW846-8270 M
Benzo(a)pyrene	JU	0.005	mg/L	0.005	SW846-8270
Benzo(b)fluoranthene	U	0.014	mg/L	0.014	SW846-8270 M
Benzo(b)fluoranthene	JU	0.005	mg/L	0.005	SW846-8270
Benzo(ghi)perylene	U	0.014	mg/L	0.014	SW846-8270 M
Benzo(ghi)perylene	JU	0.005	mg/L	0.005	SW846-8270
Benzo(k)fluoranthene	U	0.014	mg/L	0.014	SW846-8270 M
Benzo(k)fluoranthene	JU	0.005	mg/L	0.005	SW846-8270
Bis(2-chloroethoxy)methane	U	0.014	mg/L	0.014	SW846-8270 M
Bis(2-chloroethoxy)methane	JU	0.005	mg/L	0.005	SW846-8270
Bis(2-chloroethyl) ether	JU	0.005	mg/L	0.005	SW846-8270
Bis(2-chloroethyl) ether	U	0.014	mg/L	0.014	SW846-8270 M

## 004-029

## ERI99-W3-4

## WAG 3 - SWMU 4

Bis(2-chloroisopropyl) ether	U	0.014	mg/L	0.014	SW846-8270 M
Bis(2-chloroisopropyl) ether	JU	0.005	mg/L	0.005	SW846-8270
Bis(2-ethylhexyl)phthalate	JU	0.005	mg/L	0.005	SW846-8270
Bis(2-ethylhexyl)phthalate	U	0.014	mg/L	0.014	SW846-8270 M
Butyl benzyl phthalate	U	0.014	mg/L	0.014	SW846-8270 M
Butyl benzyl phthalate	JU	0.005	mg/L	0.005	SW846-8270
Carbazole	U	0.014	mg/L	0.014	SW846-8270 M
Carbazole	JU	0.005	mg/L	0.005	SW846-8270
Chrysene	JU	0.005	mg/L	0.005	SW846-8270
Chrysene	U	0.014	mg/L	0.014	SW846-8270 M
Dibenz(a,h)anthracene	U	0.014	mg/L	0.014	SW846-8270 M
Dibenz(a,h)anthracene	JU	0.005	mg/L	0.005	SW846-8270
Dibenzofuran	JU	0.005	mg/L	0.005	SW846-8270
Dibenzofuran	U	0.014	mg/L	0.014	SW846-8270 M
Diethyl phthalate	JU	0.005	mg/L	0.005	SW846-8270
Diethyl phthalate	U	0.014	mg/L	0.014	SW846-8270 M
Dimethyl phthalate	U	0.014	mg/L	0.014	SW846-8270 M
Dimethyl phthalate	JU	0.005	mg/L	0.005	SW846-8270
Di-n-butyl phthalate	U	0.014	mg/L	0.014	SW846-8270 M
Di-n-butyl phthalate	JU	0.005	mg/L	0.005	SW846-8270
Di-n-octylphthalate	U	0.014	mg/L	0.014	SW846-8270 M
Di-n-octylphthalate	JU	0.005	mg/L	0.005	SW846-8270
Fluoranthene	JU	0.005	mg/L	0.005	SW846-8270
Fluoranthene	U	0.014	mg/L	0.014	SW846-8270 M
Fluorene	U	0.014	mg/L	0.014	SW846-8270 M
Fluorene	JU	0.005	mg/L	0.005	SW846-8270
Hexachlorobenzene	JU	0.005	mg/L	0.005	SW846-8270
Hexachlorobenzene	U	0.014	mg/L	0.014	SW846-8270 M
Hexachlorobutadiene	JU	0.005	mg/L	0.005	SW846-8270
Hexachlorobutadiene	U	0.014	mg/L	0.014	SW846-8270 M
Hexachlorocyclopentadiene	U	0.014	mg/L	0.014	SW846-8270 M
Hexachlorocyclopentadiene	JU	0.005	mg/L	0.005	SW846-8270
Hexachloroethane	U	0.014	mg/L	0.014	SW846-8270 M
Hexachloroethane	JU	0.005	mg/L	0.005	SW846-8270
Indeno(1,2,3-cd)pyrene	U	0.014	mg/L	0.014	SW846-8270 M
Indeno(1,2,3-cd)pyrene	JU	0.005	mg/L	0.005	SW846-8270
Isophorone	JU	0.005	mg/L	0.005	SW846-8270
Isophorone	U	0.014	mg/L	0.014	SW846-8270 M
Naphthalene	JU	0.005	mg/L	0.005	SW846-8270
Naphthalene	U	0.014	mg/L	0.014	SW846-8270 M
Nitrobenzene	JU	0.005	mg/L	0.005	SW846-8270
Nitrobenzene	U	0.014	mg/L	0.014	SW846-8270 M
N-Nitroso-di-n-propylamine	U	0.014	mg/L	0.014	SW846-8270 M
N-Nitroso-di-n-propylamine	JU	0.005	mg/L	0.005	SW846-8270
N-Nitrosodiphenylamine	JU	0.005	mg/L	0.005	SW846-8270
N-Nitrosodiphenylamine	U	0.014	mg/L	0.014	SW846-8270 M
Pentachlorophenol	JU	0.005	mg/L	0.005	SW846-8270
Pentachlorophenol	U	0.014	mg/L	0.014	SW846-8270 M
Phenanthrene	JU	0.005	mg/L	0.005	SW846-8270
Phenanthrene	U	0.014	mg/L	0.014	SW846-8270 M
Phenol	JU	0.005	mg/L	0.005	SW846-8270
Phenol	U	0.014	mg/L	0.014	SW846-8270 M
Pyrene	JU	0.005	mg/L	0.005	SW846-8270
Pyrene	U	0.014	mg/L	0.014	SW846-8270 M
Pyridine	JU	0.005	mg/L	0.005	SW846-8270

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ERI99-W3-4

WAG 3 - SWMU 4

VOA

1,1-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
cis-1,2-Dichloroethene	J	0.0001	mg/L	0.001	SW846-8021 M
trans-1,2-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
Trichloroethene		0.0082	mg/L	0.001	SW846-8021 M
Vinyl chloride	U	0.001	mg/L	0.001	SW846-8021 M

WETCHEM

Cyanide	U	0.02	mg/L	0.02	SW846-9014
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004029WA105-45

Collected: 9/11/1999

Media Type: WG

Sample Type: REG

Analysis	Qualifiers*	Results	Units	Counting Error (+/-)	Detect Limit	Method
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium	U	0.05	mg/L		0.05	SW846-6010A
Beryllium	BU	0.005	mg/L		0.005	SW846-6010A
Cadmium	BU	0.01	mg/L		0.01	SW846-6010A
Calcium	N	21.2	mg/L		0.5	SW846-6010A
Chromium	BU	0.05	mg/L		0.05	SW846-6010A
Cobalt	U	0.01	mg/L		0.01	SW846-6010A
Copper	U	0.05	mg/L		0.05	SW846-6010A
Iron	BU	0.2	mg/L		0.2	SW846-6010A
Magnesium		8.62	mg/L		0.05	SW846-6010A
Manganese		0.655	mg/L		0.05	SW846-6010A
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470
Potassium		2.12	mg/L		2	SW846-6010A
Sodium	J	12.7	mg/L		2	SW846-6010A
Vanadium	U	0.1	mg/L		0.1	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A

004029WA105-5

Collected: 9/11/1999

Media Type: WG

Sample Type: REG

Analysis	Qualifiers*	Results	Units	Counting Error (+/-)	Detect Limit	Method
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium	U	0.05	mg/L		0.05	SW846-6010A
Beryllium	BU	0.005	mg/L		0.005	SW846-6010A
Cadmium	BU	0.01	mg/L		0.01	SW846-6010A
Calcium	N	19.8	mg/L		0.5	SW846-6010A
Chromium	BU	0.05	mg/L		0.05	SW846-6010A
Cobalt	U	0.01	mg/L		0.01	SW846-6010A
Copper	BU	0.05	mg/L		0.05	SW846-6010A
Iron	B	0.259	mg/L		0.2	SW846-6010A
Magnesium		8.16	mg/L		0.05	SW846-6010A
Manganese		0.588	mg/L		0.05	SW846-6010A
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470
Potassium	U	2	mg/L		2	SW846-6010A
Sodium		12.9	mg/L		2	SW846-6010A
Vanadium	U	0.1	mg/L		0.1	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A

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ERI99-W3-4

WAG 3 - SWMU 4

004029WA110

Collected: 9/11/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	N	182	mg/L		0.2	SW846-6010A
Arsenic	NW	0.011	mg/L		0.005	SW846-7060
Barium		0.713	mg/L		0.05	SW846-6010A
Beryllium		0.043	mg/L		0.005	SW846-6010A
Cadmium		0.101	mg/L		0.01	SW846-6010A
Calcium	N	74.4	mg/L		0.5	SW846-6010A
Chromium		0.34	mg/L		0.05	SW846-6010A
Cobalt		0.166	mg/L		0.01	SW846-6010A
Copper		0.29	mg/L		0.05	SW846-6010A
Iron	*N	1790	mg/L		2	SW846-6010A
Lead		1.09	mg/L		0.2	SW846-6010A
Magnesium		39.2	mg/L		0.05	SW846-6010A
Manganese	N	5.16	mg/L		0.05	SW846-6010A
Mercury		0.0012	mg/L		0.0002	SW846-7470
Nickel	NU	0.5	mg/L		0.5	SW846-6010A
Potassium		25.5	mg/L		2	SW846-6010A
Selenium	*NUW	0.005	mg/L		0.005	SW846-7740
Silver	BNU	0.05	mg/L		0.05	SW846-6010A
Sodium	N	12.6	mg/L		2	SW846-6010A
Thallium	ENU	0.2	mg/L		0.2	SW846-6010A
Vanadium		6.42	mg/L		0.1	SW846-6010A
Zinc		1.63	mg/L		0.2	SW846-6010A
<b>RADS</b>						
Alpha activity		4.4	pCi/L	1.5	1.6	SW846-9310
Beta activity		4.2	pCi/L	1.6	2.5	SW846-9310
Technetium-99	A	5	pCi/L	8.7	15	DNT
<b>SVOA</b>						
1,2,4-Trichlorobenzene	U	0.017	mg/L		0.017	SW846-8270 M
1,2-Dichlorobenzene	U	0.017	mg/L		0.017	SW846-8270 M
1,3-Dichlorobenzene	U	0.017	mg/L		0.017	SW846-8270 M
1,4-Dichlorobenzene	U	0.017	mg/L		0.017	SW846-8270 M
2,4,5-Trichlorophenol	U	0.017	mg/L		0.017	SW846-8270 M
2,4,6-Trichlorophenol	U	0.017	mg/L		0.017	SW846-8270 M
2,4-Dichlorophenol	U	0.017	mg/L		0.017	SW846-8270 M
2,4-Dimethylphenol	U	0.017	mg/L		0.017	SW846-8270 M
2,4-Dinitrotoluene	U	0.017	mg/L		0.017	SW846-8270 M
2,6-Dinitrotoluene	U	0.017	mg/L		0.017	SW846-8270 M
2-Chloronaphthalene	U	0.017	mg/L		0.017	SW846-8270 M
2-Chlorophenol	U	0.017	mg/L		0.017	SW846-8270 M
2-Methyl-4,6-dinitrophenol	U	0.017	mg/L		0.017	SW846-8270 M
2-Methylnaphthalene	U	0.017	mg/L		0.017	SW846-8270 M
2-Methylphenol	U	0.017	mg/L		0.017	SW846-8270 M
2-Nitrobenzenamine	U	0.017	mg/L		0.017	SW846-8270 M
2-Nitrophenol	U	0.017	mg/L		0.017	SW846-8270 M
3,3'-Dichlorobenzidine	U	0.017	mg/L		0.017	SW846-8270 M
3-Nitrobenzenamine	U	0.017	mg/L		0.017	SW846-8270 M
4-Bromophenyl phenyl ether	U	0.017	mg/L		0.017	SW846-8270 M
4-Chloro-3-methylphenol	U	0.017	mg/L		0.017	SW846-8270 M
4-Chlorobenzenamine	U	0.017	mg/L		0.017	SW846-8270 M

## 004-029

## ERI99-W3-4

## WAG 3 - SWMU 4

4-Chlorophenyl phenyl ether	U	0.017	mg/L	0.017	SW846-8270 M
4-Methylphenol	U	0.017	mg/L	0.017	SW846-8270 M
4-Nitrobenzenamine	U	0.017	mg/L	0.017	SW846-8270 M
4-Nitrophenol	U	0.017	mg/L	0.017	SW846-8270 M
Acenaphthene	U	0.017	mg/L	0.017	SW846-8270 M
Acenaphthylene	U	0.017	mg/L	0.017	SW846-8270 M
Anthracene	U	0.017	mg/L	0.017	SW846-8270 M
Benz(a)anthracene	U	0.017	mg/L	0.017	SW846-8270 M
Benzo(a)pyrene	U	0.017	mg/L	0.017	SW846-8270 M
Benzo(b)fluoranthene	U	0.017	mg/L	0.017	SW846-8270 M
Benzo(ghi)perylene	U	0.017	mg/L	0.017	SW846-8270 M
Benzo(k)fluoranthene	U	0.017	mg/L	0.017	SW846-8270 M
Bis(2-chloroethoxy)methane	U	0.017	mg/L	0.017	SW846-8270 M
Bis(2-chloroethyl) ether	U	0.017	mg/L	0.017	SW846-8270 M
Bis(2-chloroisopropyl) ether	U	0.017	mg/L	0.017	SW846-8270 M
Bis(2-ethylhexyl)phthalate	U	0.017	mg/L	0.017	SW846-8270 M
Carbazole	U	0.017	mg/L	0.017	SW846-8270 M
Chrysene	U	0.017	mg/L	0.017	SW846-8270 M
Dibenz(a,h)anthracene	U	0.017	mg/L	0.017	SW846-8270 M
Dibenzofuran	U	0.017	mg/L	0.017	SW846-8270 M
Diethyl phthalate	U	0.017	mg/L	0.017	SW846-8270 M
Dimethyl phthalate	U	0.017	mg/L	0.017	SW846-8270 M
Di-n-butyl phthalate	U	0.017	mg/L	0.017	SW846-8270 M
Di-n-octylphthalate	U	0.017	mg/L	0.017	SW846-8270 M
Fluoranthene	U	0.017	mg/L	0.017	SW846-8270 M
Fluorene	U	0.017	mg/L	0.017	SW846-8270 M
Hexachlorobenzene	U	0.017	mg/L	0.017	SW846-8270 M
Hexachlorobutadiene	U	0.017	mg/L	0.017	SW846-8270 M
Hexachlorocyclopentadiene	U	0.017	mg/L	0.017	SW846-8270 M
Hexachloroethane	U	0.017	mg/L	0.017	SW846-8270 M
Indeno(1,2,3-cd)pyrene	U	0.017	mg/L	0.017	SW846-8270 M
Isophorone	U	0.017	mg/L	0.017	SW846-8270 M
Naphthalene	U	0.017	mg/L	0.017	SW846-8270 M
Nitrobenzene	U	0.017	mg/L	0.017	SW846-8270 M
N-Nitroso-di-n-propylamine	U	0.017	mg/L	0.017	SW846-8270 M
N-Nitrosodiphenylamine	U	0.017	mg/L	0.017	SW846-8270 M
Pentachlorophenol	U	0.017	mg/L	0.017	SW846-8270 M
Phenanthrene	U	0.017	mg/L	0.017	SW846-8270 M
Phenol	U	0.017	mg/L	0.017	SW846-8270 M
Pyrene	U	0.017	mg/L	0.017	SW846-8270 M

## VOA

1,1,1-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,1,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
1,2-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dimethylbenzene	U	0.005	mg/L	0.005	SW846-8260
2-Butanone	U	0.01	mg/L	0.01	SW846-8260
2-Hexanone	U	0.01	mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L	0.01	SW846-8260
Acetone	X	0.013	mg/L	0.01	SW846-8260
Benzene	U	0.005	mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L	0.005	SW846-8260

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ERI99-W3-4

WAG 3 - SWMU 4

Bromoform	U	0.005	mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L	0.005	SW846-8260
Chloroethane	U	0.005	mg/L	0.005	SW846-8260
Chloromethane	U	0.005	mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
cis-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L	0.005	SW846-8260
m,p-Xylene	U	0.01	mg/L	0.01	SW846-8260
Methylene chloride	U	0.01	mg/L	0.01	SW846-8260
Styrene	U	0.005	mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L	0.005	SW846-8260
Toluene	U	0.005	mg/L	0.005	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
trans-1,2-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
trans-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Trichloroethene	U	0.001	mg/L	0.001	SW846-8260
Trichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
Vinyl chloride	U	0.001	mg/L	0.001	SW846-8021 M
<b>WETCHEM</b>					
Cyanide	U	0.02	mg/L	0.02	SW846-9014

004029WA110-45

Collected: 9/11/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium		0.054	mg/L		0.05	SW846-6010A
Beryllium	BU	0.005	mg/L		0.005	SW846-6010A
Cadmium	BU	0.01	mg/L		0.01	SW846-6010A
Calcium	N	19.7	mg/L		0.5	SW846-6010A
Chromium	BU	0.05	mg/L		0.05	SW846-6010A
Cobalt	U	0.01	mg/L		0.01	SW846-6010A
Copper	U	0.05	mg/L		0.05	SW846-6010A
Iron	BU	0.2	mg/L		0.2	SW846-6010A
Magnesium		8.04	mg/L		0.05	SW846-6010A
Manganese		0.682	mg/L		0.05	SW846-6010A
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470
Potassium		2.22	mg/L		2	SW846-6010A
Sodium	J	12.9	mg/L		2	SW846-6010A
Vanadium	U	0.1	mg/L		0.1	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A

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**ERI99-W3-4**

**WAG 3 - SWMU 4**

**004029WA110-5**

Collected: 9/11/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium	U	0.05	mg/L		0.05	SW846-6010A
Beryllium	BU	0.005	mg/L		0.005	SW846-6010A
Cadmium	BU	0.01	mg/L		0.01	SW846-6010A
Calcium	N	18.9	mg/L		0.5	SW846-6010A
Chromium	BU	0.05	mg/L		0.05	SW846-6010A
Cobalt	U	0.01	mg/L		0.01	SW846-6010A
Copper	BU	0.05	mg/L		0.05	SW846-6010A
Iron	B	0.373	mg/L		0.2	SW846-6010A
Magnesium		7.77	mg/L		0.05	SW846-6010A
Manganese		0.738	mg/L		0.05	SW846-6010A
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470
Potassium		2.11	mg/L		2	SW846-6010A
Sodium		13.8	mg/L		2	SW846-6010A
Vanadium	U	0.1	mg/L		0.1	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A

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**004-029**

**ERI99-W3-4**

**WAG 3 - SWMU 4**

**004029WA115**

Collected: 9/11/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	N	169	mg/L		0.2	SW846-6010A
Barium		2.06	mg/L		0.05	SW846-6010A
Beryllium		0.042	mg/L		0.005	SW846-6010A
Cadmium		0.099	mg/L		0.01	SW846-6010A
Calcium	N	59.9	mg/L		0.5	SW846-6010A
Chromium		0.34	mg/L		0.05	SW846-6010A
Cobalt		0.226	mg/L		0.01	SW846-6010A
Copper		0.21	mg/L		0.05	SW846-6010A
Iron	*N	1690	mg/L		2	SW846-6010A
Lead		1.05	mg/L		0.2	SW846-6010A
Magnesium		31.4	mg/L		0.05	SW846-6010A
Manganese	N	20.8	mg/L		0.05	SW846-6010A
Mercury		0.0009	mg/L		0.0002	SW846-7470
Nickel	NU	0.5	mg/L		0.5	SW846-6010A
Potassium		21.1	mg/L		2	SW846-6010A
Selenium	*BNU	0.005	mg/L		0.005	SW846-7740
Silver	BNU	0.05	mg/L		0.05	SW846-6010A
Sodium	N	10.1	mg/L		2	SW846-6010A
Thallium	NU	0.2	mg/L		0.2	SW846-6010A
Vanadium		6.94	mg/L		0.1	SW846-6010A
Zinc		1.37	mg/L		0.2	SW846-6010A
<b>RADS</b>						
Alpha activity		4.9	pCi/L	1.7	2	SW846-9310
Beta activity		4.2	pCi/L	1.6	2.5	SW846-9310
Technetium-99	A	9.1	pCi/L	8.9	15	DNT
<b>SVOA</b>						
1,2,4-Trichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,2-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,3-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,4-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
2,4,5-Trichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4,6-Trichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dimethylphenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dinitrotoluene	U	0.01	mg/L		0.01	SW846-8270 M
2,6-Dinitrotoluene	U	0.01	mg/L		0.01	SW846-8270 M
2-Chloronaphthalene	U	0.01	mg/L		0.01	SW846-8270 M
2-Chlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Methyl-4,6-dinitrophenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Methylnaphthalene	U	0.01	mg/L		0.01	SW846-8270 M
2-Methylphenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Nitrobenzenamine	U	0.01	mg/L		0.01	SW846-8270 M
2-Nitrophenol	U	0.01	mg/L		0.01	SW846-8270 M
3,3'-Dichlorobenzidine	U	0.01	mg/L		0.01	SW846-8270 M
3-Nitrobenzenamine	U	0.01	mg/L		0.01	SW846-8270 M
4-Bromophenyl phenyl ether	U	0.01	mg/L		0.01	SW846-8270 M
4-Chloro-3-methylphenol	U	0.01	mg/L		0.01	SW846-8270 M
4-Chlorobenzenamine	U	0.01	mg/L		0.01	SW846-8270 M
4-Chlorophenyl phenyl ether	U	0.01	mg/L		0.01	SW846-8270 M



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## ERI99-W3-4

## WAG 3 - SWMU 4

4-Methylphenol	U	0.01	mg/L	0.01	SW846-8270 M
4-Nitrobenzenamine	U	0.01	mg/L	0.01	SW846-8270 M
4-Nitrophenol	U	0.01	mg/L	0.01	SW846-8270 M
Acenaphthene	U	0.01	mg/L	0.01	SW846-8270 M
Acenaphthylene	U	0.01	mg/L	0.01	SW846-8270 M
Anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Benz(a)anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(a)pyrene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(b)fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(ghi)perylene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(k)fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroethoxy)methane	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroethyl) ether	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroisopropyl) ether	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-ethylhexyl)phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Carbazole	U	0.01	mg/L	0.01	SW846-8270 M
Chrysene	U	0.01	mg/L	0.01	SW846-8270 M
Dibenz(a,h)anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Dibenzofuran	U	0.01	mg/L	0.01	SW846-8270 M
Diethyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Dimethyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Di-n-butyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Di-n-octylphthalate	U	0.01	mg/L	0.01	SW846-8270 M
Fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Fluorene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorobenzene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorobutadiene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorocyclopentadiene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachloroethane	U	0.01	mg/L	0.01	SW846-8270 M
Indeno(1,2,3-cd)pyrene	U	0.01	mg/L	0.01	SW846-8270 M
Isophorone	U	0.01	mg/L	0.01	SW846-8270 M
Naphthalene	U	0.01	mg/L	0.01	SW846-8270 M
Nitrobenzene	U	0.01	mg/L	0.01	SW846-8270 M
N-Nitroso-di-n-propylamine	U	0.01	mg/L	0.01	SW846-8270 M
N-Nitrosodiphenylamine	U	0.01	mg/L	0.01	SW846-8270 M
Pentachlorophenol	U	0.01	mg/L	0.01	SW846-8270 M
Phenanthrene	U	0.01	mg/L	0.01	SW846-8270 M
Phenol	U	0.01	mg/L	0.01	SW846-8270 M
Pyrene	U	0.01	mg/L	0.01	SW846-8270 M
<b>VOA</b>					
1,1-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
cis-1,2-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
trans-1,2-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
Trichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
Vinyl chloride	U	0.001	mg/L	0.001	SW846-8021 M
<b>WETCHEM</b>					
Cyanide	U	0.02	mg/L	0.02	SW846-9014

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ERI99-W3-4

WAG 3 - SWMU 4

004029WA115-45

Collected: 9/11/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium		0.153	mg/L		0.05	SW846-6010A
Beryllium	BU	0.005	mg/L		0.005	SW846-6010A
Cadmium	BU	0.01	mg/L		0.01	SW846-6010A
Calcium	N	18.6	mg/L		0.5	SW846-6010A
Chromium	BU	0.05	mg/L		0.05	SW846-6010A
Cobalt		0.016	mg/L		0.01	SW846-6010A
Copper	U	0.05	mg/L		0.05	SW846-6010A
Iron	B	0.273	mg/L		0.2	SW846-6010A
Magnesium		7.76	mg/L		0.05	SW846-6010A
Manganese		2.77	mg/L		0.05	SW846-6010A
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470
Potassium		2.32	mg/L		2	SW846-6010A
Sodium		13.5	mg/L		2	SW846-6010A
Vanadium	U	0.1	mg/L		0.1	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A

004029WA115-5

Collected: 9/11/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium		0.14	mg/L		0.05	SW846-6010A
Beryllium	BU	0.005	mg/L		0.005	SW846-6010A
Cadmium	BU	0.01	mg/L		0.01	SW846-6010A
Calcium	N	19.4	mg/L		0.5	SW846-6010A
Chromium	BU	0.05	mg/L		0.05	SW846-6010A
Cobalt		0.012	mg/L		0.01	SW846-6010A
Copper	BU	0.05	mg/L		0.05	SW846-6010A
Iron	B	0.305	mg/L		0.2	SW846-6010A
Magnesium		8.02	mg/L		0.05	SW846-6010A
Manganese		2.39	mg/L		0.05	SW846-6010A
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470
Potassium		2.18	mg/L		2	SW846-6010A
Sodium		13.2	mg/L		2	SW846-6010A
Vanadium	U	0.1	mg/L		0.1	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A

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**004-022**

**ERI99-W3-4-2**

**WAG 3 - SWMU 4 - Phase II**

**004022WA085**

Collected: 12/2/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		172.4	mg/L		2	SW846-9056
Fluoride		0.31	mg/L		0.1	EPA-340.2
Nitrate		11.1	mg/L		4	SW846-9056
Nitrate as Nitrogen		2.5	mg/L		1	SW846-9056
Orthophosphate	BU	6	mg/L			SW846-9056
Sulfate		301.5	mg/L		5	SW846-9056
<b>METAL</b>						
Aluminum	*N	391	mg/L		0.2	SW846-6010A
Arsenic	NW	0.049	mg/L		0.005	SW846-7060
Barium	N	1.64	mg/L		0.05	SW846-6010A
Beryllium	N	0.074	mg/L		0.01	SW846-6010A
Cadmium	NU	0.01	mg/L		0.01	SW846-6010A
Calcium	N	152	mg/L		1	SW846-6010A
Chromium	N	1.99	mg/L		0.05	SW846-6010A
Cobalt	N	0.164	mg/L		0.01	SW846-6010A
Copper	N	0.691	mg/L		0.05	SW846-6010A
Iron	N	885	mg/L		0.2	SW846-6010A
Lead	N	0.312	mg/L		0.2	SW846-6010A
Magnesium	N	53.2	mg/L		0.05	SW846-6010A
Manganese	N	12.2	mg/L		0.05	SW846-6010A
Mercury		0.0007	mg/L		0.0002	SW846-7470
Nickel	N	0.505	mg/L		0.05	SW846-6010A
Potassium	*N	22.3	mg/L		2	SW846-6010A
Selenium	*NUW	0.005	mg/L		0.005	SW846-7740
Silver	BNU	0.05	mg/L		0.05	SW846-6010A
Sodium	N	84.8	mg/L		2	SW846-6010A
Thallium	BENU	0.2	mg/L		0.2	SW846-6010A
Vanadium	N	1.13	mg/L		0.05	SW846-6010A
Zinc	N	3.2	mg/L		0.2	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		932	mg/L		100	EPA-160.2
pH		6.38	none			SW846-9040
Redox		241	mV			SM-2580-B
<b>PCCB</b>						
PCB-1016	U	0.00016	mg/L		0.0002	SW846-8082
PCB-1221	U	0.00016	mg/L		0.0002	SW846-8082
PCB-1232	U	0.00014	mg/L		0.0001	SW846-8082
PCB-1242	U	0.00015	mg/L		0.0002	SW846-8082
PCB-1248	U	0.00015	mg/L		0.0002	SW846-8082
PCB-1254	U	0.00012	mg/L		0.0001	SW846-8082
PCB-1260	U	0.00016	mg/L		0.0002	SW846-8082
PCB-1268	U	0.00008	mg/L		8E-05	SW846-8082
Polychlorinated biphenyl	U	0.00016	mg/L		0.0002	SW846-8082
<b>RADS</b>						
Alpha activity		39.01	pCi/L	11.05	9.87	EPA-900.0
Americium-241	A	-12.5	pCi/L	25	85.4	RL-7124
Beta activity		44.19	pCi/L	7.34	16.01	EPA-900.0
Neptunium-237	A	29.5	pCi/L	59.1	55.2	RL-7124
Plutonium-239/240	A	0.128	pCi/L	0.187	1.19	RL-7120

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## ERI99-W3-4-2

## WAG 3 - SWMU 4 - Phase II

Technetium-99	A	6.33	pCi/L	10.5	15.2	RL-7100
Thorium-234	A	-180	pCi/L	360	533	RL-7124
<b>SVOA</b>						
1,2,4-Trichlorobenzene	JU	0.005	mg/L		0.005	SW846-8270
1,2-Dichlorobenzene	JU	0.005	mg/L		0.005	SW846-8270
1,3-Dichlorobenzene	JU	0.005	mg/L		0.005	SW846-8270
1,4-Dichlorobenzene	JUX	0.005	mg/L		0.005	SW846-8270
2,4,5-Trichlorophenol	JUX	0.005	mg/L		0.005	SW846-8270
2,4,6-Trichlorophenol	JUX	0.005	mg/L		0.005	SW846-8270
2,4-Dichlorophenol	JU	0.005	mg/L		0.005	SW846-8270
2,4-Dimethylphenol	JU	0.005	mg/L		0.005	SW846-8270
2,4-Dinitrophenol	JU	0.005	mg/L		0.005	SW846-8270
2,4-Dinitrotoluene	JUX	0.005	mg/L		0.005	SW846-8270
2,6-Dinitrotoluene	JU	0.005	mg/L		0.005	SW846-8270
2-Chloronaphthalene	JU	0.005	mg/L		0.005	SW846-8270
2-Chlorophenol	JU	0.005	mg/L		0.005	SW846-8270
2-Methyl-4,6-dinitrophenol	JU	0.005	mg/L		0.005	SW846-8270
2-Methylnaphthalene	JU	0.005	mg/L		0.005	SW846-8270
2-Methylphenol	JUX	0.005	mg/L		0.005	SW846-8270
2-Nitrobenzenamine	JU	0.005	mg/L		0.005	SW846-8270
2-Nitrophenol	JU	0.005	mg/L		0.005	SW846-8270
3,3'-Dichlorobenzidine	JU	0.005	mg/L		0.005	SW846-8270
3-Nitrobenzenamine	JU	0.005	mg/L		0.005	SW846-8270
4-Bromophenyl phenyl ether	JU	0.005	mg/L		0.005	SW846-8270
4-Chloro-3-methylphenol	JU	0.005	mg/L		0.005	SW846-8270
4-Chlorobenzenamine	JU	0.005	mg/L		0.005	SW846-8270
4-Chlorophenyl phenyl ether	JU	0.005	mg/L		0.005	SW846-8270
4-Methylphenol	JUX	0.005	mg/L		0.005	SW846-8270
4-Nitrobenzenamine	JU	0.005	mg/L		0.005	SW846-8270
4-Nitrophenol	JU	0.005	mg/L		0.005	SW846-8270
Acenaphthene	JU	0.005	mg/L		0.005	SW846-8270
Acenaphthylene	JU	0.005	mg/L		0.005	SW846-8270
Anthracene	JU	0.005	mg/L		0.005	SW846-8270
Benz(a)anthracene	JU	0.005	mg/L		0.005	SW846-8270
Benzo(a)pyrene	JU	0.005	mg/L		0.005	SW846-8270
Benzo(b)fluoranthene	JU	0.005	mg/L		0.005	SW846-8270
Benzo(ghi)perylene	JU	0.005	mg/L		0.005	SW846-8270
Benzo(k)fluoranthene	JU	0.005	mg/L		0.005	SW846-8270
Bis(2-chloroethoxy)methane	JU	0.005	mg/L		0.005	SW846-8270
Bis(2-chloroethyl) ether	JU	0.005	mg/L		0.005	SW846-8270
Bis(2-chloroisopropyl) ether	JU	0.005	mg/L		0.005	SW846-8270
Bis(2-ethylhexyl)phthalate	JU	0.005	mg/L		0.005	SW846-8270
Butyl benzyl phthalate	JU	0.005	mg/L		0.005	SW846-8270
Carbazole	JU	0.005	mg/L		0.005	SW846-8270
Chrysene	JU	0.005	mg/L		0.005	SW846-8270
Dibenz(a,h)anthracene	JU	0.005	mg/L		0.005	SW846-8270
Dibenzofuran	JU	0.005	mg/L		0.005	SW846-8270
Diethyl phthalate	JU	0.005	mg/L		0.005	SW846-8270
Dimethyl phthalate	JU	0.005	mg/L		0.005	SW846-8270
Di-n-butyl phthalate	JU	0.005	mg/L		0.005	SW846-8270
Di-n-octylphthalate	JU	0.005	mg/L		0.005	SW846-8270
Fluoranthene	JU	0.005	mg/L		0.005	SW846-8270
Fluorene	JU	0.005	mg/L		0.005	SW846-8270
Hexachlorobenzene	JUX	0.005	mg/L		0.005	SW846-8270
Hexachlorobutadiene	JUX	0.005	mg/L		0.005	SW846-8270

## 004-022

## ERI99-W3-4-2

## WAG 3 - SWMU 4 - Phase II

Hexachlorocyclopentadiene	JU	0.005 mg/L	0.005	SW846-8270
Hexachloroethane	JUX	0.005 mg/L	0.005	SW846-8270
Indeno(1,2,3-cd)pyrene	JU	0.005 mg/L	0.005	SW846-8270
Isophorone	JU	0.005 mg/L	0.005	SW846-8270
Naphthalene	JU	0.005 mg/L	0.005	SW846-8270
Nitrobenzene	JUX	0.005 mg/L	0.005	SW846-8270
N-Nitroso-di-n-propylamine	JU	0.005 mg/L	0.005	SW846-8270
N-Nitrosodiphenylamine	JU	0.005 mg/L	0.005	SW846-8270
Pentachlorophenol	JUX	0.005 mg/L	0.005	SW846-8270
Phenanthrene	JU	0.005 mg/L	0.005	SW846-8270
Phenol	JU	0.005 mg/L	0.005	SW846-8270
Pyrene	JU	0.005 mg/L	0.005	SW846-8270
Pyridine	JUY	0.005 mg/L	0.005	SW846-8270
<b>VOA</b>				
1,1,1,2-Tetrachloroethane	U	5 mg/L	5	SW846-8260
1,2-Dichloropropane	U	5 mg/L	5	SW846-8260
1,2-Dimethylbenzene	U	5 mg/L	5	SW846-8260
2-Butanone	U	10 mg/L	10	SW846-8260
2-Hexanone	U	10 mg/L	10	SW846-8260
Bromodichloromethane	U	5 mg/L	5	SW846-8260
Bromoform	U	5 mg/L	5	SW846-8260
cis-1,2-Dichloroethene		11 mg/L	10	SW846-8260
cis-1,3-Dichloropropene	U	5 mg/L	5	SW846-8260
Dibromochloromethane	U	5 mg/L	5	SW846-8260
m,p-Xylene	U	10 mg/L	10	SW846-8260
Styrene	U	5 mg/L	5	SW846-8260
trans-1,3-Dichloropropene	U	5 mg/L	5	SW846-8260
Trichloroethene		35 mg/L	1	SW846-8260
<b>WETCHEM</b>				
Alkalinity	J	166 mg/L	10	EPA-310.1
Ammonia	*J	0.65 mg/L	0.2	EPA-350.2
Carbonate as CaCO <sub>3</sub>	U	10 mg/L	10	SM-2320 B 17
Chemical Oxygen Demand (COD)	BX	42 mg/L	25	EPA-410.4 1978
Cyanide	U	0.02 mg/L	0.02	SW846-9014
Phosphate as Phosphorous	BU	2 mg/L	2	SW846-9056
Silica		19 mg/L	1	EPA-370.1
Suspended Solids		8553 mg/L	10	EPA-160.1
Total Organic Carbon (TOC)	J	11 mg/L	1	SW846-9060

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004-022

ERI99-W3-4-2

WAG 3 - SWMU 4 - Phase II

004022WA085-45

Collected: 12/2/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Arsenic		0.052	mg/L		0.005	SW846-7060
Barium		0.067	mg/L		0.05	SW846-6010A
Beryllium	BU	0.01	mg/L		0.01	SW846-6010A
Calcium		130	mg/L		1	SW846-6010A
Chromium	U	0.05	mg/L		0.05	SW846-6010A
Cobalt		0.027	mg/L		0.01	SW846-6010A
Copper	U	0.05	mg/L		0.05	SW846-6010A
Iron		4.75	mg/L		0.2	SW846-6010A
Magnesium		34.8	mg/L		0.05	SW846-6010A
Manganese		8.66	mg/L		0.05	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Potassium	U	2	mg/L		2	SW846-6010A
Sodium	JN	93.7	mg/L		2	SW846-6010A
Vanadium	U	0.05	mg/L		0.05	SW846-6010A
Zinc		0.635	mg/L		0.2	SW846-6010A

004022WA085-5

Collected: 12/2/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Arsenic		0.047	mg/L		0.005	SW846-7060
Barium		0.057	mg/L		0.05	SW846-6010A
Beryllium	BU	0.01	mg/L		0.01	SW846-6010A
Calcium		130	mg/L		1	SW846-6010A
Chromium	U	0.05	mg/L		0.05	SW846-6010A
Cobalt		0.029	mg/L		0.01	SW846-6010A
Copper	U	0.05	mg/L		0.05	SW846-6010A
Iron		5.29	mg/L		0.2	SW846-6010A
Magnesium		34	mg/L		0.05	SW846-6010A
Manganese		9.24	mg/L		0.05	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Potassium	U	2	mg/L		2	SW846-6010A
Sodium	JN	96.9	mg/L		2	SW846-6010A
Vanadium	U	0.05	mg/L		0.05	SW846-6010A
Zinc		0.635	mg/L		0.2	SW846-6010A

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**004-025**

**ERI99-W3-4-2**

**WAG 3 - SWMU 4 - Phase II**

**004025WA085**

Collected: 11/22/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	*N	424	mg/L		0.2	SW846-6010A
Arsenic	NW	0.014	mg/L		0.005	SW846-7060
Barium	N	12.6	mg/L		0.05	SW846-6010A
Beryllium	N	0.118	mg/L		0.01	SW846-6010A
Cadmium	NU	0.01	mg/L		0.01	SW846-6010A
Calcium	N	226	mg/L		1	SW846-6010A
Chromium	N	2.67	mg/L		0.05	SW846-6010A
Cobalt	N	1.22	mg/L		0.01	SW846-6010A
Copper	N	1.03	mg/L		0.05	SW846-6010A
Iron	N	966	mg/L		0.2	SW846-6010A
Lead	N	0.761	mg/L		0.2	SW846-6010A
Magnesium	N	79.9	mg/L		0.05	SW846-6010A
Manganese	N	57.3	mg/L		0.05	SW846-6010A
Mercury	N	0.004	mg/L		0.0002	SW846-7470
Nickel	N	0.813	mg/L		0.05	SW846-6010A
Potassium	*N	39.4	mg/L		2	SW846-6010A
Selenium	*NUW	0.005	mg/L		0.005	SW846-7740
Silver	BNU	0.05	mg/L		0.05	SW846-6010A
Sodium	N	54.2	mg/L		2	SW846-6010A
Thallium	BENU	0.2	mg/L		0.2	SW846-6010A
Vanadium	N	0.99	mg/L		0.05	SW846-6010A
Zinc	N	5.98	mg/L		0.2	SW846-6010A
<b>PCCB</b>						
PCB-1016	U	0.00017	mg/L		0.0002	SW846-8082
PCB-1221	U	0.00017	mg/L		0.0002	SW846-8082
PCB-1232	U	0.00015	mg/L		0.0002	SW846-8082
PCB-1242	U	0.00016	mg/L		0.0002	SW846-8082
PCB-1248		0.00019	mg/L		0.0002	SW846-8082
PCB-1254		0.0002	mg/L		0.0001	SW846-8082
PCB-1260	U	0.00017	mg/L		0.0002	SW846-8082
PCB-1268	U	0.00008	mg/L		8E-05	SW846-8082
Polychlorinated biphenyl		0.00039	mg/L		0.0002	SW846-8082
<b>RADS</b>						
Alpha activity		125.1	pCi/L	24.07	22.17	EPA-900.0
Beta activity		119.96	pCi/L	13.76	20.21	EPA-900.0
Plutonium-239/240	A	-0.0972	pCi/L	0.192	1.19	RL-7120
Technetium-99	A	6.22	pCi/L	10.5	15.2	RL-7100
Uranium-235		0.586	wt %			AS7300
<b>SVOA</b>						
1,2,4-Trichlorobenzene	JU	0.005	mg/L		0.005	SW846-8270
1,2-Dichlorobenzene	JU	0.005	mg/L		0.005	SW846-8270
1,3-Dichlorobenzene	JU	0.005	mg/L		0.005	SW846-8270
1,4-Dichlorobenzene	JU	0.005	mg/L		0.005	SW846-8270
2,4,5-Trichlorophenol	JU	0.005	mg/L		0.005	SW846-8270
2,4,6-Trichlorophenol	JU	0.005	mg/L		0.005	SW846-8270
2,4-Dichlorophenol	JU	0.005	mg/L		0.005	SW846-8270
2,4-Dimethylphenol	JU	0.005	mg/L		0.005	SW846-8270
2,4-Dinitrophenol	JU	0.005	mg/L		0.005	SW846-8270
2,4-Dinitrotoluene	JU	0.005	mg/L		0.005	SW846-8270

## 004-025

## ERI99-W3-4-2

## WAG 3 - SWMU 4 - Phase II

2,6-Dinitrotoluene	JU	0.005	mg/L	0.005	SW846-8270
2-Chloronaphthalene	JU	0.005	mg/L	0.005	SW846-8270
2-Chlorophenol	JU	0.005	mg/L	0.005	SW846-8270
2-Methyl-4,6-dinitrophenol	JU	0.005	mg/L	0.005	SW846-8270
2-Methylnaphthalene	JU	0.005	mg/L	0.005	SW846-8270
2-Methylphenol	JU	0.005	mg/L	0.005	SW846-8270
2-Nitrobenzenamine	JU	0.005	mg/L	0.005	SW846-8270
2-Nitrophenol	JU	0.005	mg/L	0.005	SW846-8270
3,3'-Dichlorobenzidine	JU	0.005	mg/L	0.005	SW846-8270
3-Nitrobenzenamine	JU	0.005	mg/L	0.005	SW846-8270
4-Bromophenyl phenyl ether	JU	0.005	mg/L	0.005	SW846-8270
4-Chloro-3-methylphenol	JU	0.005	mg/L	0.005	SW846-8270
4-Chlorobenzenamine	JU	0.005	mg/L	0.005	SW846-8270
4-Chlorophenyl phenyl ether	JU	0.005	mg/L	0.005	SW846-8270
4-Methylphenol	JU	0.005	mg/L	0.005	SW846-8270
4-Nitrobenzenamine	JU	0.005	mg/L	0.005	SW846-8270
4-Nitrophenol	JU	0.005	mg/L	0.005	SW846-8270
Acenaphthene	JU	0.005	mg/L	0.005	SW846-8270
Acenaphthylene	JU	0.005	mg/L	0.005	SW846-8270
Anthracene	JU	0.005	mg/L	0.005	SW846-8270
Benz(a)anthracene	JU	0.005	mg/L	0.005	SW846-8270
Benzo(a)pyrene	JU	0.005	mg/L	0.005	SW846-8270
Benzo(b)fluoranthene	JU	0.005	mg/L	0.005	SW846-8270
Benzo(ghi)perylene	JU	0.005	mg/L	0.005	SW846-8270
Benzo(k)fluoranthene	JU	0.005	mg/L	0.005	SW846-8270
Bis(2-chloroethoxy)methane	JU	0.005	mg/L	0.005	SW846-8270
Bis(2-chloroethyl) ether	JU	0.005	mg/L	0.005	SW846-8270
Bis(2-chloroisopropyl) ether	JU	0.005	mg/L	0.005	SW846-8270
Bis(2-ethylhexyl)phthalate	JU	0.005	mg/L	0.005	SW846-8270
Butyl benzyl phthalate	JU	0.005	mg/L	0.005	SW846-8270
Carbazole	JU	0.005	mg/L	0.005	SW846-8270
Chrysene	JU	0.005	mg/L	0.005	SW846-8270
Dibenz(a,h)anthracene	JU	0.005	mg/L	0.005	SW846-8270
Dibenzofuran	JU	0.005	mg/L	0.005	SW846-8270
Diethyl phthalate	JU	0.005	mg/L	0.005	SW846-8270
Dimethyl phthalate	JU	0.005	mg/L	0.005	SW846-8270
Di-n-butyl phthalate	JU	0.005	mg/L	0.005	SW846-8270
Di-n-octylphthalate	JU	0.005	mg/L	0.005	SW846-8270
Fluoranthene	JU	0.005	mg/L	0.005	SW846-8270
Fluorene	JU	0.005	mg/L	0.005	SW846-8270
Hexachlorobenzene	JU	0.005	mg/L	0.005	SW846-8270
Hexachlorobutadiene	JU	0.005	mg/L	0.005	SW846-8270
Hexachlorocyclopentadiene	JU	0.005	mg/L	0.005	SW846-8270
Hexachloroethane	JU	0.005	mg/L	0.005	SW846-8270
Indeno(1,2,3-cd)pyrene	JU	0.005	mg/L	0.005	SW846-8270
Isophorone	JU	0.005	mg/L	0.005	SW846-8270
Naphthalene	JU	0.005	mg/L	0.005	SW846-8270
Nitrobenzene	JU	0.005	mg/L	0.005	SW846-8270
N-Nitroso-di-n-propylamine	JU	0.005	mg/L	0.005	SW846-8270
N-Nitrosodiphenylamine	JU	0.005	mg/L	0.005	SW846-8270
Pentachlorophenol	JU	0.005	mg/L	0.005	SW846-8270
Phenanthrene	JU	0.005	mg/L	0.005	SW846-8270
Phenol	JU	0.005	mg/L	0.005	SW846-8270
Pyrene	JU	0.005	mg/L	0.005	SW846-8270
Pyridine	JU	0.005	mg/L	0.005	SW846-8270



## 004-025

## ERI99-W3-4-2

## WAG 3 - SWMU 4 - Phase II

VOA					
1,1,1-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dimethylbenzene	U	0.005	mg/L	0.005	SW846-8260
2-Butanone	U	0.01	mg/L	0.01	SW846-8260
2-Hexanone	U	0.01	mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L	0.01	SW846-8260
Acetone	JU	0.01	mg/L	0.01	SW846-8260
Benzene	UXY	0.005	mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromoform	U	0.005	mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	0.005	SW846-8260
Chlorobenzene	UY	0.005	mg/L	0.005	SW846-8260
Chloroethane	U	0.005	mg/L	0.005	SW846-8260
Chloromethane	U	0.005	mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L	0.005	SW846-8260
m,p-Xylene	U	0.01	mg/L	0.01	SW846-8260
Methylene chloride	U	0.01	mg/L	0.01	SW846-8260
Styrene	U	0.005	mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L	0.005	SW846-8260
Toluene	UY	0.005	mg/L	0.005	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Trichloroethene	U	0.001	mg/L	0.001	SW846-8260
WETCHEM					
Cyanide	UX	0.02	mg/L	0.02	SW846-9014

004-026

ERI99-W3-4-2

WAG 3 - SWMU 4 - Phase II

004026WA085

Collected: 11/16/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	N	602	mg/L		2	SW846-6010A
Arsenic	*NW	0.019	mg/L		0.005	SW846-7060
Barium		4.32	mg/L		0.05	SW846-6010A
Beryllium	N	0.096	mg/L		0.01	SW846-6010A
Calcium	N	135	mg/L		1	SW846-6010A
Chromium	N	3.58	mg/L		0.05	SW846-6010A
Cobalt	N	0.564	mg/L		0.01	SW846-6010A
Copper	N	1.25	mg/L		0.05	SW846-6010A
Iron	N	2020	mg/L		2	SW846-6010A
Lead	N	0.376	mg/L		0.2	SW846-6010A
Magnesium	N	69.4	mg/L		0.05	SW846-6010A
Manganese	N	29.9	mg/L		0.05	SW846-6010A
Mercury	N	0.0015	mg/L		0.0002	SW846-7470
Nickel	N	0.849	mg/L		0.05	SW846-6010A
Potassium	N	39.2	mg/L		2	SW846-6010A
Selenium	*NUW	0.005	mg/L		0.005	SW846-7740
Silver	BNU	0.05	mg/L		0.05	SW846-6010A
Sodium	N	156	mg/L		2	SW846-6010A
Thallium	*JNU	2	mg/L		2	SW846-6010A
Vanadium	N	1.98	mg/L		0.05	SW846-6010A
Zinc	N	5.96	mg/L		0.2	SW846-6010A
<b>PCCB</b>						
PCB-1016	UX	0.00029	mg/L		0.0003	SW846-8082
PCB-1221	UX	0.00029	mg/L		0.0003	SW846-8082
PCB-1232	UX	0.00025	mg/L		0.0003	SW846-8082
PCB-1242	UX	0.00027	mg/L		0.0003	SW846-8082
PCB-1248	UX	0.00027	mg/L		0.0003	SW846-8082
PCB-1254	UX	0.00022	mg/L		0.0002	SW846-8082
PCB-1260	UX	0.00029	mg/L		0.0003	SW846-8082
PCB-1268	UX	0.00015	mg/L		0.0002	SW846-8082
Polychlorinated biphenyl	UX	0.00029	mg/L		0.0003	SW846-8082
<b>RADS</b>						
Alpha activity	A	3.76	pCi/L	2.08	23.61	EPA-900.0
Beta activity		23.83	pCi/L	4.5	20.48	EPA-900.0
Plutonium-239/240	A	0.102	pCi/L	0.259	1.2	RL-7120
Technetium-99	A	8.26	pCi/L	10.6	15.2	RL-7100
<b>SVOA</b>						
1,2,4-Trichlorobenzene	JU	0.005	mg/L		0.005	SW846-8270
1,2-Dichlorobenzene	JU	0.005	mg/L		0.005	SW846-8270
1,3-Dichlorobenzene	JU	0.005	mg/L		0.005	SW846-8270
1,4-Dichlorobenzene	JU	0.005	mg/L		0.005	SW846-8270
2,4,5-Trichlorophenol	JU	0.005	mg/L		0.005	SW846-8270
2,4,6-Trichlorophenol	JU	0.005	mg/L		0.005	SW846-8270
2,4-Dichlorophenol	JU	0.005	mg/L		0.005	SW846-8270
2,4-Dimethylphenol	JU	0.005	mg/L		0.005	SW846-8270
2,4-Dinitrophenol	JU	0.005	mg/L		0.005	SW846-8270
2,4-Dinitrotoluene	JU	0.005	mg/L		0.005	SW846-8270
2,6-Dinitrotoluene	JU	0.005	mg/L		0.005	SW846-8270
2-Chloronaphthalene	JU	0.005	mg/L		0.005	SW846-8270

## 004-026

## ERI99-W3-4-2

## WAG 3 - SWMU 4 - Phase II

2-Chlorophenol	JU	0.005	mg/L	0.005	SW846-8270
2-Methyl-4,6-dinitrophenol	JU	0.005	mg/L	0.005	SW846-8270
2-Methylnaphthalene	JU	0.005	mg/L	0.005	SW846-8270
2-Methylphenol	JU	0.005	mg/L	0.005	SW846-8270
2-Nitrobenzenamine	JU	0.005	mg/L	0.005	SW846-8270
2-Nitrophenol	JU	0.005	mg/L	0.005	SW846-8270
3,3'-Dichlorobenzidine	JU	0.005	mg/L	0.005	SW846-8270
3-Nitrobenzenamine	JU	0.005	mg/L	0.005	SW846-8270
4-Bromophenyl phenyl ether	JU	0.005	mg/L	0.005	SW846-8270
4-Chloro-3-methylphenol	JU	0.005	mg/L	0.005	SW846-8270
4-Chlorobenzenamine	JU	0.005	mg/L	0.005	SW846-8270
4-Chlorophenyl phenyl ether	JU	0.005	mg/L	0.005	SW846-8270
4-Methylphenol	JU	0.005	mg/L	0.005	SW846-8270
4-Nitrobenzenamine	JU	0.005	mg/L	0.005	SW846-8270
4-Nitrophenol	JU	0.005	mg/L	0.005	SW846-8270
Acenaphthene	JU	0.005	mg/L	0.005	SW846-8270
Acenaphthylene	JU	0.005	mg/L	0.005	SW846-8270
Anthracene	JU	0.005	mg/L	0.005	SW846-8270
Benz(a)anthracene	JU	0.005	mg/L	0.005	SW846-8270
Benzo(a)pyrene	JU	0.005	mg/L	0.005	SW846-8270
Benzo(b)fluoranthene	JU	0.005	mg/L	0.005	SW846-8270
Benzo(ghi)perylene	JU	0.005	mg/L	0.005	SW846-8270
Benzo(k)fluoranthene	JU	0.005	mg/L	0.005	SW846-8270
Bis(2-chloroethoxy)methane	JU	0.005	mg/L	0.005	SW846-8270
Bis(2-chloroethyl) ether	JU	0.005	mg/L	0.005	SW846-8270
Bis(2-chloroisopropyl) ether	JU	0.005	mg/L	0.005	SW846-8270
Bis(2-ethylhexyl)phthalate	JU	0.005	mg/L	0.005	SW846-8270
Butyl benzyl phthalate	JU	0.005	mg/L	0.005	SW846-8270
Carbazole	JU	0.005	mg/L	0.005	SW846-8270
Chrysene	JU	0.005	mg/L	0.005	SW846-8270
Dibenz(a,h)anthracene	JU	0.005	mg/L	0.005	SW846-8270
Dibenzofuran	JU	0.005	mg/L	0.005	SW846-8270
Diethyl phthalate	JU	0.005	mg/L	0.005	SW846-8270
Dimethyl phthalate	JU	0.005	mg/L	0.005	SW846-8270
Di-n-butyl phthalate	JU	0.005	mg/L	0.005	SW846-8270
Di-n-octylphthalate	JU	0.005	mg/L	0.005	SW846-8270
Fluoranthene	JU	0.005	mg/L	0.005	SW846-8270
Fluorene	JU	0.005	mg/L	0.005	SW846-8270
Hexachlorobenzene	JU	0.005	mg/L	0.005	SW846-8270
Hexachlorobutadiene	JU	0.005	mg/L	0.005	SW846-8270
Hexachlorocyclopentadiene	JU	0.005	mg/L	0.005	SW846-8270
Hexachloroethane	JU	0.005	mg/L	0.005	SW846-8270
Indeno(1,2,3-cd)pyrene	JU	0.005	mg/L	0.005	SW846-8270
Isophorone	JU	0.005	mg/L	0.005	SW846-8270
Naphthalene	JU	0.005	mg/L	0.005	SW846-8270
Nitrobenzene	JU	0.005	mg/L	0.005	SW846-8270
N-Nitroso-di-n-propylamine	JU	0.005	mg/L	0.005	SW846-8270
N-Nitrosodiphenylamine	JU	0.005	mg/L	0.005	SW846-8270
Pentachlorophenol	JU	0.005	mg/L	0.005	SW846-8270
Phenanthrene	JU	0.005	mg/L	0.005	SW846-8270
Phenol	JU	0.005	mg/L	0.005	SW846-8270
Pyrene	JU	0.005	mg/L	0.005	SW846-8270
Pyridine	JU	0.005	mg/L	0.005	SW846-8270
<b>VOA</b>					
1,1,1-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260

## 004-026

## ERI99-W3-4-2

## WAG 3 - SWMU 4 - Phase II

1,1,1,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,1,2-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dimethylbenzene	U	0.005	mg/L	0.005	SW846-8260
2-Butanone	U	0.01	mg/L	0.01	SW846-8260
2-Hexanone	U	0.01	mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L	0.01	SW846-8260
Acetone		0.018	mg/L	0.01	SW846-8260
Benzene	UX	0.005	mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromoform	U	0.005	mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	0.005	SW846-8260
Chlorobenzene	UY	0.005	mg/L	0.005	SW846-8260
Chloroethane		0.019	mg/L	0.005	SW846-8260
Chloromethane	U	0.005	mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	DX	0.56	mg/L	0.01	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L	0.005	SW846-8260
m,p-Xylene	U	0.01	mg/L	0.01	SW846-8260
Methylene chloride	U	0.01	mg/L	0.01	SW846-8260
Styrene	U	0.005	mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L	0.005	SW846-8260
Toluene	U	0.005	mg/L	0.005	SW846-8260
trans-1,2-Dichloroethene	UX	0.005	mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Trichloroethene	DX	0.65	mg/L	0.01	SW846-8260
Vinyl chloride	DX	0.44	mg/L	0.01	SW846-8260
<b>WETCHEM</b>					
Cyanide	UX	0.02	mg/L	0.02	SW846-9014

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004-026

ERI99-W3-4-2

WAG 3 - SWMU 4 - Phase II

004026WA085-45

Collected: 11/16/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium		0.256	mg/L		0.05	SW846-6010A
Beryllium	U	0.01	mg/L		0.01	SW846-6010A
Calcium	N	69.7	mg/L		1	SW846-6010A
Chromium	U	0.05	mg/L		0.05	SW846-6010A
Cobalt		0.057	mg/L		0.01	SW846-6010A
Copper	U	0.05	mg/L		0.05	SW846-6010A
Iron	N	5.02	mg/L		0.2	SW846-6010A
Magnesium	N	28.6	mg/L		0.05	SW846-6010A
Manganese	N	8.27	mg/L		0.05	SW846-6010A
Mercury	BNU	0.0002	mg/L		0.0002	SW846-7470
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Potassium		2.06	mg/L		2	SW846-6010A
Sodium	JN	212	mg/L		2	SW846-6010A
Vanadium	U	0.05	mg/L		0.05	SW846-6010A
Zinc		0.217	mg/L		0.2	SW846-6010A

004026WA085-5

Collected: 11/16/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Arsenic	N	0.02	mg/L		0.005	SW846-7060
Barium		0.254	mg/L		0.05	SW846-6010A
Beryllium	U	0.01	mg/L		0.01	SW846-6010A
Calcium	N	70	mg/L		1	SW846-6010A
Chromium	U	0.05	mg/L		0.05	SW846-6010A
Cobalt		0.055	mg/L		0.01	SW846-6010A
Copper	U	0.05	mg/L		0.05	SW846-6010A
Iron	N	4.9	mg/L		0.2	SW846-6010A
Magnesium	N	28.9	mg/L		0.05	SW846-6010A
Manganese	N	8.22	mg/L		0.05	SW846-6010A
Mercury	BNU	0.0002	mg/L		0.0002	SW846-7470
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Potassium		2.18	mg/L		2	SW846-6010A
Sodium	JN	213	mg/L		2	SW846-6010A
Vanadium	U	0.05	mg/L		0.05	SW846-6010A
Zinc		0.226	mg/L		0.2	SW846-6010A

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**004-026**

**ERI99-W3-4-2**

**WAG 3 - SWMU 4 - Phase II**

**004026WD085**

Collected: 11/16/1999

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	N	549	mg/L		2	SW846-6010A
Arsenic	*NW	0.02	mg/L		0.005	SW846-7060
Barium		4.79	mg/L		0.05	SW846-6010A
Beryllium	N	0.097	mg/L		0.01	SW846-6010A
Calcium	N	146	mg/L		1	SW846-6010A
Chromium	N	5.11	mg/L		0.05	SW846-6010A
Cobalt	N	0.622	mg/L		0.01	SW846-6010A
Copper	N	1.55	mg/L		0.05	SW846-6010A
Iron	N	2090	mg/L		2	SW846-6010A
Lead	N	0.426	mg/L		0.2	SW846-6010A
Magnesium	N	71.2	mg/L		0.05	SW846-6010A
Manganese	N	32.8	mg/L		0.05	SW846-6010A
Mercury	N	0.0013	mg/L		0.0002	SW846-7470
Nickel	N	1.26	mg/L		0.05	SW846-6010A
Potassium	N	37.9	mg/L		2	SW846-6010A
Selenium	*NW	0.01	mg/L		0.005	SW846-7740
Silver	BNU	0.05	mg/L		0.05	SW846-6010A
Sodium	*BJN	312	mg/L		20	SW846-6010A
Thallium	*JNU	2	mg/L		2	SW846-6010A
Vanadium	N	1.87	mg/L		0.05	SW846-6010A
Zinc	N	6.8	mg/L		0.2	SW846-6010A
<b>PCCB</b>						
PCB-1016	UX	0.00029	mg/L		0.0003	SW846-8082
PCB-1221	UX	0.00029	mg/L		0.0003	SW846-8082
PCB-1232	UX	0.00025	mg/L		0.0003	SW846-8082
PCB-1242	UX	0.00027	mg/L		0.0003	SW846-8082
PCB-1248	UX	0.00027	mg/L		0.0003	SW846-8082
PCB-1254	X	0.00091	mg/L		0.0002	SW846-8082
PCB-1260	UX	0.00029	mg/L		0.0003	SW846-8082
PCB-1268	UX	0.00015	mg/L		0.0002	SW846-8082
Polychlorinated biphenyl	X	0.00091	mg/L		0.0003	SW846-8082
<b>RADS</b>						
Alpha activity	A	-2.28	pCi/L	1.61	19.13	EPA-900.0
Beta activity		33.43	pCi/L	5.78	19.49	EPA-900.0
Plutonium-239/240	A	-0.164	pCi/L	0.167	1.19	RL-7120
Technetium-99	A	7.74	pCi/L	10.6	15.2	RL-7100
<b>SVOA</b>						
1,2,4-Trichlorobenzene	JU	0.005	mg/L		0.005	SW846-8270
1,2-Dichlorobenzene	JU	0.005	mg/L		0.005	SW846-8270
1,3-Dichlorobenzene	JU	0.005	mg/L		0.005	SW846-8270
1,4-Dichlorobenzene	JU	0.005	mg/L		0.005	SW846-8270
2,4,5-Trichlorophenol	JU	0.005	mg/L		0.005	SW846-8270
2,4,6-Trichlorophenol	JU	0.005	mg/L		0.005	SW846-8270
2,4-Dichlorophenol	JU	0.005	mg/L		0.005	SW846-8270
2,4-Dimethylphenol	JU	0.005	mg/L		0.005	SW846-8270
2,4-Dinitrophenol	JU	0.005	mg/L		0.005	SW846-8270
2,4-Dinitrotoluene	JU	0.005	mg/L		0.005	SW846-8270
2,6-Dinitrotoluene	JU	0.005	mg/L		0.005	SW846-8270
2-Chloronaphthalene	JU	0.005	mg/L		0.005	SW846-8270

## 004-026

## ERI99-W3-4-2

## WAG 3 - SWMU 4 - Phase II

2-Chlorophenol	JU	0.005	mg/L	0.005	SW846-8270
2-Methyl-4,6-dinitrophenol	JU	0.005	mg/L	0.005	SW846-8270
2-Methylnaphthalene	JU	0.005	mg/L	0.005	SW846-8270
2-Methylphenol	JU	0.005	mg/L	0.005	SW846-8270
2-Nitrobenzenamine	JU	0.005	mg/L	0.005	SW846-8270
2-Nitrophenol	JU	0.005	mg/L	0.005	SW846-8270
3,3'-Dichlorobenzidine	JU	0.005	mg/L	0.005	SW846-8270
3-Nitrobenzenamine	JU	0.005	mg/L	0.005	SW846-8270
4-Bromophenyl phenyl ether	JU	0.005	mg/L	0.005	SW846-8270
4-Chloro-3-methylphenol	JU	0.005	mg/L	0.005	SW846-8270
4-Chlorobenzenamine	JU	0.005	mg/L	0.005	SW846-8270
4-Chlorophenyl phenyl ether	JU	0.005	mg/L	0.005	SW846-8270
4-Methylphenol	JU	0.005	mg/L	0.005	SW846-8270
4-Nitrobenzenamine	JU	0.005	mg/L	0.005	SW846-8270
4-Nitrophenol	JU	0.005	mg/L	0.005	SW846-8270
Acenaphthene	JU	0.005	mg/L	0.005	SW846-8270
Acenaphthylene	JU	0.005	mg/L	0.005	SW846-8270
Anthracene	JU	0.005	mg/L	0.005	SW846-8270
Benz(a)anthracene	JU	0.005	mg/L	0.005	SW846-8270
Benzo(a)pyrene	JU	0.005	mg/L	0.005	SW846-8270
Benzo(b)fluoranthene	JU	0.005	mg/L	0.005	SW846-8270
Benzo(ghi)perylene	JU	0.005	mg/L	0.005	SW846-8270
Benzo(k)fluoranthene	JU	0.005	mg/L	0.005	SW846-8270
Bis(2-chloroethoxy)methane	JU	0.005	mg/L	0.005	SW846-8270
Bis(2-chloroethyl) ether	JU	0.005	mg/L	0.005	SW846-8270
Bis(2-chloroisopropyl) ether	JU	0.005	mg/L	0.005	SW846-8270
Bis(2-ethylhexyl)phthalate	JU	0.005	mg/L	0.005	SW846-8270
Butyl benzyl phthalate	JU	0.005	mg/L	0.005	SW846-8270
Carbazole	JU	0.005	mg/L	0.005	SW846-8270
Chrysene	JU	0.005	mg/L	0.005	SW846-8270
Dibenz(a,h)anthracene	JU	0.005	mg/L	0.005	SW846-8270
Dibenzofuran	JU	0.005	mg/L	0.005	SW846-8270
Diethyl phthalate	JU	0.005	mg/L	0.005	SW846-8270
Dimethyl phthalate	JU	0.005	mg/L	0.005	SW846-8270
Di-n-butyl phthalate	JU	0.005	mg/L	0.005	SW846-8270
Di-n-octylphthalate	JU	0.005	mg/L	0.005	SW846-8270
Fluoranthene	JU	0.005	mg/L	0.005	SW846-8270
Fluorene	JU	0.005	mg/L	0.005	SW846-8270
Hexachlorobenzene	JU	0.005	mg/L	0.005	SW846-8270
Hexachlorobutadiene	JU	0.005	mg/L	0.005	SW846-8270
Hexachlorocyclopentadiene	JU	0.005	mg/L	0.005	SW846-8270
Hexachloroethane	JU	0.005	mg/L	0.005	SW846-8270
Indeno(1,2,3-cd)pyrene	JU	0.005	mg/L	0.005	SW846-8270
Isophorone	JU	0.005	mg/L	0.005	SW846-8270
Naphthalene	JU	0.005	mg/L	0.005	SW846-8270
Nitrobenzene	JU	0.005	mg/L	0.005	SW846-8270
N-Nitroso-di-n-propylamine	JU	0.005	mg/L	0.005	SW846-8270
N-Nitrosodiphenylamine	JU	0.005	mg/L	0.005	SW846-8270
Pentachlorophenol	JU	0.005	mg/L	0.005	SW846-8270
Phenanthrene	JU	0.005	mg/L	0.005	SW846-8270
Phenol	JU	0.005	mg/L	0.005	SW846-8270
Pyrene	JU	0.005	mg/L	0.005	SW846-8270
Pyridine	JU	0.005	mg/L	0.005	SW846-8270
<b>VOA</b>					
1,1,1-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260

## 004-026

## ERI99-W3-4-2

## WAG 3 - SWMU 4 - Phase II

1,1,1,2-Tetrachloroethane	U	0.005 mg/L	0.005	SW846-8260
1,1,1,2-Trichloroethane	U	0.005 mg/L	0.005	SW846-8260
1,1-Dichloroethane	U	0.005 mg/L	0.005	SW846-8260
1,2-Dichloroethane	U	0.005 mg/L	0.005	SW846-8260
1,2-Dichloropropane	U	0.005 mg/L	0.005	SW846-8260
1,2-Dimethylbenzene	U	0.005 mg/L	0.005	SW846-8260
2-Butanone	U	0.01 mg/L	0.01	SW846-8260
2-Hexanone	U	0.01 mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01 mg/L	0.01	SW846-8260
Acetone		0.014 mg/L	0.01	SW846-8260
Benzene	UX	0.005 mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromoform	U	0.005 mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005 mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	0.005	SW846-8260
Chlorobenzene	UY	0.005 mg/L	0.005	SW846-8260
Chloroethane		0.019 mg/L	0.005	SW846-8260
Chloromethane	U	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	DX	0.54 mg/L	0.05	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
m,p-Xylene	U	0.01 mg/L	0.01	SW846-8260
Methylene chloride	U	0.01 mg/L	0.01	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
trans-1,2-Dichloroethene	UX	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	DX	0.65 mg/L	0.01	SW846-8260
Vinyl chloride	DX	0.42 mg/L	0.05	SW846-8260
<b>WETCHEM</b>				
Cyanide	UX	0.02 mg/L	0.02	SW846-9014



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004-026

ERI99-W3-4-2

WAG 3 - SWMU 4 - Phase II

004026WD085-45

Collected: 11/16/1999

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Arsenic	N	0.02	mg/L		0.005	SW846-7060
Barium		0.245	mg/L		0.05	SW846-6010A
Beryllium	U	0.01	mg/L		0.01	SW846-6010A
Calcium	N	70.3	mg/L		1	SW846-6010A
Chromium	U	0.05	mg/L		0.05	SW846-6010A
Cobalt		0.058	mg/L		0.01	SW846-6010A
Copper	U	0.05	mg/L		0.05	SW846-6010A
Iron	N	7.35	mg/L		0.2	SW846-6010A
Magnesium	N	29	mg/L		0.05	SW846-6010A
Manganese	N	8.28	mg/L		0.05	SW846-6010A
Mercury	BNU	0.0002	mg/L		0.0002	SW846-7470
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Potassium		2.24	mg/L		2	SW846-6010A
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Sodium	JN	212	mg/L		2	SW846-6010A
Vanadium	U	0.05	mg/L		0.05	SW846-6010A
Zinc		0.222	mg/L		0.2	SW846-6010A

004026WD085-5

Collected: 11/16/1999

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum		1.27	mg/L		0.2	SW846-6010A
Arsenic	N	0.02	mg/L		0.005	SW846-7060
Barium		0.243	mg/L		0.05	SW846-6010A
Beryllium	U	0.01	mg/L		0.01	SW846-6010A
Calcium	N	68.8	mg/L		1	SW846-6010A
Chromium	U	0.05	mg/L		0.05	SW846-6010A
Cobalt		0.056	mg/L		0.01	SW846-6010A
Copper	U	0.05	mg/L		0.05	SW846-6010A
Iron	N	5.96	mg/L		0.2	SW846-6010A
Magnesium	N	28.5	mg/L		0.05	SW846-6010A
Manganese	N	8.06	mg/L		0.05	SW846-6010A
Mercury	BNU	0.0002	mg/L		0.0002	SW846-7470
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Potassium		2.28	mg/L		2	SW846-6010A
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Sodium	JN	211	mg/L		2	SW846-6010A
Vanadium	U	0.05	mg/L		0.05	SW846-6010A
Zinc		0.214	mg/L		0.2	SW846-6010A

004-024

ERI99-W3-4WATER

WAG 3 - SWMU 4 Special Water Sampling

004024WB085

Collected: 9/28/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>SVOA</b>						
1,2,4-Trichlorobenzene	JU	0.005	mg/L		0.005	SW846-8270
1,2-Dichlorobenzene	JU	0.005	mg/L		0.005	SW846-8270
1,3-Dichlorobenzene	JU	0.005	mg/L		0.005	SW846-8270
1,4-Dichlorobenzene	JU	0.005	mg/L		0.005	SW846-8270
2,4,5-Trichlorophenol	JU	0.005	mg/L		0.005	SW846-8270
2,4,6-Trichlorophenol	JU	0.005	mg/L		0.005	SW846-8270
2,4-Dichlorophenol	JU	0.005	mg/L		0.005	SW846-8270
2,4-Dimethylphenol	JU	0.005	mg/L		0.005	SW846-8270
2,4-Dinitrophenol	JU	0.005	mg/L		0.005	SW846-8270
2,4-Dinitrotoluene	JU	0.005	mg/L		0.005	SW846-8270
2,6-Dinitrotoluene	JU	0.005	mg/L		0.005	SW846-8270
2-Chloronaphthalene	JU	0.005	mg/L		0.005	SW846-8270
2-Chlorophenol	JU	0.005	mg/L		0.005	SW846-8270
2-Methyl-4,6-dinitrophenol	JU	0.005	mg/L		0.005	SW846-8270
2-Methylnaphthalene	JU	0.005	mg/L		0.005	SW846-8270
2-Methylphenol	JU	0.005	mg/L		0.005	SW846-8270
2-Nitrobenzenamine	JU	0.005	mg/L		0.005	SW846-8270
2-Nitrophenol	JU	0.005	mg/L		0.005	SW846-8270
3,3'-Dichlorobenzidine	JU	0.005	mg/L		0.005	SW846-8270
3-Nitrobenzenamine	JU	0.005	mg/L		0.005	SW846-8270
4-Bromophenyl phenyl ether	JU	0.005	mg/L		0.005	SW846-8270
4-Chloro-3-methylphenol	JU	0.005	mg/L		0.005	SW846-8270
4-Chlorobenzenamine	JU	0.005	mg/L		0.005	SW846-8270
4-Chlorophenyl phenyl ether	JU	0.005	mg/L		0.005	SW846-8270
4-Methylphenol	JU	0.005	mg/L		0.005	SW846-8270
4-Nitrobenzenamine	JU	0.005	mg/L		0.005	SW846-8270
4-Nitrophenol	JU	0.005	mg/L		0.005	SW846-8270
Acenaphthene	JU	0.005	mg/L		0.005	SW846-8270
Acenaphthylene	JU	0.005	mg/L		0.005	SW846-8270
Anthracene	JU	0.005	mg/L		0.005	SW846-8270
Benz(a)anthracene	JU	0.005	mg/L		0.005	SW846-8270
Benzo(a)pyrene	JU	0.005	mg/L		0.005	SW846-8270
Benzo(b)fluoranthene	JU	0.005	mg/L		0.005	SW846-8270
Benzo(ghi)perylene	JU	0.005	mg/L		0.005	SW846-8270
Benzo(k)fluoranthene	JU	0.005	mg/L		0.005	SW846-8270
Bis(2-chloroethoxy)methane	JU	0.005	mg/L		0.005	SW846-8270
Bis(2-chloroethyl) ether	JU	0.005	mg/L		0.005	SW846-8270
Bis(2-chloroisopropyl) ether	JU	0.005	mg/L		0.005	SW846-8270
Bis(2-ethylhexyl)phthalate	JU	0.005	mg/L		0.005	SW846-8270
Butyl benzyl phthalate	JU	0.005	mg/L		0.005	SW846-8270
Carbazole	JU	0.005	mg/L		0.005	SW846-8270
Chrysene	JU	0.005	mg/L		0.005	SW846-8270
Dibenz(a,h)anthracene	JU	0.005	mg/L		0.005	SW846-8270
Dibenzofuran	JU	0.005	mg/L		0.005	SW846-8270
Diethyl phthalate	J	0.007	mg/L		0.005	SW846-8270
Dimethyl phthalate	JU	0.005	mg/L		0.005	SW846-8270
Di-n-butyl phthalate	JU	0.005	mg/L		0.005	SW846-8270
Di-n-octylphthalate	JU	0.005	mg/L		0.005	SW846-8270
Fluoranthene	JU	0.005	mg/L		0.005	SW846-8270

## 004-024

## ERI99-W3-4WATER

## WAG 3 - SWMU 4 Special Water Sampling

Fluorene	JU	0.005 mg/L	0.005	SW846-8270
Hexachlorobenzene	JU	0.005 mg/L	0.005	SW846-8270
Hexachlorobutadiene	JU	0.005 mg/L	0.005	SW846-8270
Hexachlorocyclopentadiene	JU	0.005 mg/L	0.005	SW846-8270
Hexachloroethane	JU	0.005 mg/L	0.005	SW846-8270
Indeno(1,2,3-cd)pyrene	JU	0.005 mg/L	0.005	SW846-8270
Isophorone	JU	0.005 mg/L	0.005	SW846-8270
Naphthalene	J	0.007 mg/L	0.005	SW846-8270
Nitrobenzene	JU	0.005 mg/L	0.005	SW846-8270
N-Nitroso-di-n-propylamine	JU	0.005 mg/L	0.005	SW846-8270
N-Nitrosodiphenylamine	JU	0.005 mg/L	0.005	SW846-8270
Pentachlorophenol	JU	0.005 mg/L	0.005	SW846-8270
Phenanthrene	JU	0.005 mg/L	0.005	SW846-8270
Phenol	JU	0.005 mg/L	0.005	SW846-8270
Pyrene	JU	0.005 mg/L	0.005	SW846-8270
Pyridine	JU	0.005 mg/L	0.005	SW846-8270
<b>VOA</b>				
1,1,1,2-Tetrachloroethane	U	5 mg/L	5	SW846-8260
1,2-Dichloropropane	U	5 mg/L	5	SW846-8260
1,2-Dimethylbenzene	U	5 mg/L	5	SW846-8260
2-Butanone	JUY	10 mg/L	10	SW846-8260
2-Hexanone	JU	5 mg/L	5	SW846-8260
Bromodichloromethane	U	5 mg/L	5	SW846-8260
Bromoform	U	5 mg/L	5	SW846-8260
cis-1,2-Dichloroethene		12 mg/L	5	SW846-8260
cis-1,3-Dichloropropene	U	5 mg/L	5	SW846-8260
Dibromochloromethane	U	5 mg/L	5	SW846-8260
m,p-Xylene	U	10 mg/L	10	SW846-8260
Styrene	U	5 mg/L	5	SW846-8260
trans-1,3-Dichloropropene	U	5 mg/L	5	SW846-8260
Trichloroethene		56 mg/L	1	SW846-8260

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**005-013**

**ERI99-W3-5**

**WAG 3 - SWMU 5**

**005013WA060**

Collected: 9/27/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum		59.9	mg/L		0.2	SW846-6010A
Barium		0.66	mg/L		0.05	SW846-6010A
Beryllium	B	0.005	mg/L		0.005	SW846-6010A
Cadmium	U	0.01	mg/L		0.01	SW846-6010A
Calcium		17.4	mg/L		0.5	SW846-6010A
Chromium		0.075	mg/L		0.05	SW846-6010A
Cobalt		0.044	mg/L		0.01	SW846-6010A
Copper	U	0.05	mg/L		0.05	SW846-6010A
Iron	N	91.5	mg/L		0.2	SW846-6010A
Magnesium		10.8	mg/L		0.05	SW846-6010A
Manganese		1.73	mg/L		0.05	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel		0.115	mg/L		0.05	SW846-6010A
Potassium		5.85	mg/L		2	SW846-6010A
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Silver	U	0.05	mg/L		0.05	SW846-6010A
Sodium		14.6	mg/L		2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Vanadium		0.105	mg/L		0.1	SW846-6010A
Zinc		0.297	mg/L		0.2	SW846-6010A
<b>RADS</b>						
Alpha activity	A	0.22	pCi/L	0.92	1.7	SW846-9310
Beta activity	A	0.6	pCi/L	1.4	2.4	SW846-9310
Radon	A	131	pCi/L	54.4	151	RL-7104
Technetium-99	A	-4.3	pCi/L	8.1	14	DNT
<b>SVOA</b>						
1,2,4-Trichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,2-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,3-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,4-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
2,4,5-Trichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4,6-Trichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dimethylphenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dinitrophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dinitrotoluene	U	0.01	mg/L		0.01	SW846-8270 M
2,6-Dinitrotoluene	U	0.01	mg/L		0.01	SW846-8270 M
2-Chloronaphthalene	U	0.01	mg/L		0.01	SW846-8270 M
2-Chlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Methyl-4,6-dinitrophenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Methylnaphthalene	U	0.01	mg/L		0.01	SW846-8270 M
2-Methylphenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Nitrobenzenamine	U	0.01	mg/L		0.01	SW846-8270 M
2-Nitrophenol	U	0.01	mg/L		0.01	SW846-8270 M
3,3'-Dichlorobenzidine	U	0.01	mg/L		0.01	SW846-8270 M
3-Nitrobenzenamine	U	0.01	mg/L		0.01	SW846-8270 M
4-Bromophenyl phenyl ether	U	0.01	mg/L		0.01	SW846-8270 M
4-Chloro-3-methylphenol	U	0.01	mg/L		0.01	SW846-8270 M
4-Chlorobenzenamine	U	0.01	mg/L		0.01	SW846-8270 M

## 005-013

## ERI99-W3-5

## WAG 3 - SWMU 5

4-Chlorophenyl phenyl ether	U	0.01	mg/L	0.01	SW846-8270 M
4-Methylphenol	U	0.01	mg/L	0.01	SW846-8270 M
4-Nitrobenzenamine	U	0.01	mg/L	0.01	SW846-8270 M
4-Nitrophenol	U	0.01	mg/L	0.01	SW846-8270 M
Acenaphthene	U	0.01	mg/L	0.01	SW846-8270 M
Acenaphthylene	U	0.01	mg/L	0.01	SW846-8270 M
Anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Benz(a)anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(a)pyrene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(b)fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(ghi)perylene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(k)fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroethoxy)methane	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroethyl) ether	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroisopropyl) ether	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-ethylhexyl)phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Butyl benzyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Carbazole	U	0.01	mg/L	0.01	SW846-8270 M
Chrysene	U	0.01	mg/L	0.01	SW846-8270 M
Dibenz(a,h)anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Dibenzofuran	U	0.01	mg/L	0.01	SW846-8270 M
Diethyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Dimethyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Di-n-butyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Di-n-octylphthalate	U	0.01	mg/L	0.01	SW846-8270 M
Fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Fluorene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorobenzene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorobutadiene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorocyclopentadiene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachloroethane	U	0.01	mg/L	0.01	SW846-8270 M
Indeno(1,2,3-cd)pyrene	U	0.01	mg/L	0.01	SW846-8270 M
Isophorone	U	0.01	mg/L	0.01	SW846-8270 M
Naphthalene	U	0.01	mg/L	0.01	SW846-8270 M
Nitrobenzene	U	0.01	mg/L	0.01	SW846-8270 M
N-Nitroso-di-n-propylamine	U	0.01	mg/L	0.01	SW846-8270 M
N-Nitrosodiphenylamine	U	0.01	mg/L	0.01	SW846-8270 M
Pentachlorophenol	U	0.01	mg/L	0.01	SW846-8270 M
Phenanthrene	U	0.01	mg/L	0.01	SW846-8270 M
Phenol	U	0.01	mg/L	0.01	SW846-8270 M
Pyrene	U	0.01	mg/L	0.01	SW846-8270 M
<b>VOA</b>					
1,1-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
cis-1,2-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
trans-1,2-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
Trichloroethene		0.001	mg/L	0.001	SW846-8021 M
Vinyl chloride	U	0.001	mg/L	0.001	SW846-8021 M
<b>WETCHEM</b>					
Cyanide	U	0.02	mg/L	0.02	SW846-9014

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005-013

ERI99-W3-5

WAG 3 - SWMU 5

005013WA060-45

Collected: 9/27/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium		0.144	mg/L		0.05	SW846-6010A
Beryllium	BU	0.005	mg/L		0.005	SW846-6010A
Calcium	J	16.1	mg/L		0.5	SW846-6010A
Chromium	U	0.05	mg/L		0.05	SW846-6010A
Cobalt		0.017	mg/L		0.01	SW846-6010A
Iron		0.794	mg/L		0.2	SW846-6010A
Magnesium		6.55	mg/L		0.05	SW846-6010A
Manganese	N	0.781	mg/L		0.05	SW846-6010A
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Potassium	U	2	mg/L		2	SW846-6010A
Sodium		20	mg/L		2	SW846-6010A
Vanadium	U	0.1	mg/L		0.1	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A

005013WA060-5

Collected: 9/27/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum		2.62	mg/L		0.2	SW846-6010A
Barium		0.148	mg/L		0.05	SW846-6010A
Beryllium	U	0.005	mg/L		0.005	SW846-6010A
Calcium	J	15.7	mg/L		0.5	SW846-6010A
Chromium	U	0.05	mg/L		0.05	SW846-6010A
Cobalt		0.017	mg/L		0.01	SW846-6010A
Iron		2.02	mg/L		0.2	SW846-6010A
Magnesium		6.66	mg/L		0.05	SW846-6010A
Manganese		0.69	mg/L		0.05	SW846-6010A
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Potassium	U	2	mg/L		2	SW846-6010A
Sodium		18.9	mg/L		2	SW846-6010A
Vanadium	U	0.1	mg/L		0.1	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A

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**005-013**

**ERI99-W3-5**

**WAG 3 - SWMU 5**

**005013WA065**

Collected: 9/27/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum		4.8	mg/L		0.2	SW846-6010A
Barium		0.136	mg/L		0.05	SW846-6010A
Beryllium	BU	0.005	mg/L		0.005	SW846-6010A
Cadmium	U	0.01	mg/L		0.01	SW846-6010A
Calcium		16	mg/L		0.5	SW846-6010A
Chromium	U	0.05	mg/L		0.05	SW846-6010A
Cobalt		0.016	mg/L		0.01	SW846-6010A
Copper	U	0.05	mg/L		0.05	SW846-6010A
Iron	N	14.6	mg/L		0.2	SW846-6010A
Magnesium		6.7	mg/L		0.05	SW846-6010A
Manganese		0.824	mg/L		0.05	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Potassium	U	2	mg/L		2	SW846-6010A
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Silver	U	0.05	mg/L		0.05	SW846-6010A
Sodium		17	mg/L		2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Vanadium	U	0.1	mg/L		0.1	SW846-6010A
Zinc	BU	0.2	mg/L		0.2	SW846-6010A
<b>RADS</b>						
Alpha activity	A	0.39	pCi/L	0.89	1.6	SW846-9310
Beta activity		7.1	pCi/L	1.7	2.5	SW846-9310
Radium-226	A	-12.7	pCi/L	25.4	231	RL-7124
Radon	A	73.4	pCi/L	48.8	151	RL-7104
Technetium-99		16.5	pCi/L	9.3	15	DNT
<b>SVOA</b>						
1,2,4-Trichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,2-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,3-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,4-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
2,4,5-Trichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4,6-Trichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dimethylphenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dinitrophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dinitrotoluene	U	0.01	mg/L		0.01	SW846-8270 M
2,6-Dinitrotoluene	U	0.01	mg/L		0.01	SW846-8270 M
2-Chloronaphthalene	U	0.01	mg/L		0.01	SW846-8270 M
2-Chlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Methyl-4,6-dinitrophenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Methylnaphthalene	U	0.01	mg/L		0.01	SW846-8270 M
2-Methylphenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Nitrobenzenamine	U	0.01	mg/L		0.01	SW846-8270 M
2-Nitrophenol	U	0.01	mg/L		0.01	SW846-8270 M
3,3'-Dichlorobenzidine	U	0.01	mg/L		0.01	SW846-8270 M
3-Nitrobenzenamine	U	0.01	mg/L		0.01	SW846-8270 M
4-Bromophenyl phenyl ether	U	0.01	mg/L		0.01	SW846-8270 M
4-Chloro-3-methylphenol	U	0.01	mg/L		0.01	SW846-8270 M

## 005-013

## ERI99-W3-5

## WAG 3 - SWMU 5

4-Chlorobenzeneamine	U	0.01	mg/L	0.01	SW846-8270 M
4-Chlorophenyl phenyl ether	U	0.01	mg/L	0.01	SW846-8270 M
4-Methylphenol	U	0.01	mg/L	0.01	SW846-8270 M
4-Nitrobenzeneamine	U	0.01	mg/L	0.01	SW846-8270 M
4-Nitrophenol	U	0.01	mg/L	0.01	SW846-8270 M
Acenaphthene	U	0.01	mg/L	0.01	SW846-8270 M
Acenaphthylene	U	0.01	mg/L	0.01	SW846-8270 M
Anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Benz(a)anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(a)pyrene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(b)fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(ghi)perylene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(k)fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroethoxy)methane	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroethyl) ether	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroisopropyl) ether	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-ethylhexyl)phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Butyl benzyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Carbazole	U	0.01	mg/L	0.01	SW846-8270 M
Chrysene	U	0.01	mg/L	0.01	SW846-8270 M
Dibenz(a,h)anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Dibenzofuran	U	0.01	mg/L	0.01	SW846-8270 M
Diethyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Dimethyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Di-n-butyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Di-n-octylphthalate	U	0.01	mg/L	0.01	SW846-8270 M
Fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Fluorene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorobenzene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorobutadiene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorocyclopentadiene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachloroethane	U	0.01	mg/L	0.01	SW846-8270 M
Indeno(1,2,3-cd)pyrene	U	0.01	mg/L	0.01	SW846-8270 M
Isophorone	U	0.01	mg/L	0.01	SW846-8270 M
Naphthalene	U	0.01	mg/L	0.01	SW846-8270 M
Nitrobenzene	U	0.01	mg/L	0.01	SW846-8270 M
N-Nitroso-di-n-propylamine	U	0.01	mg/L	0.01	SW846-8270 M
N-Nitrosodiphenylamine	U	0.01	mg/L	0.01	SW846-8270 M
Pentachlorophenol	U	0.01	mg/L	0.01	SW846-8270 M
Phenanthrene	U	0.01	mg/L	0.01	SW846-8270 M
Phenol	U	0.01	mg/L	0.01	SW846-8270 M
Pyrene	U	0.01	mg/L	0.01	SW846-8270 M
<b>VOA</b>					
1,1-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
cis-1,2-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
trans-1,2-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
Trichloroethene		0.006	mg/L	0.001	SW846-8021 M
Vinyl chloride	U	0.001	mg/L	0.001	SW846-8021 M
<b>WETCHEM</b>					
Cyanide	U	0.02	mg/L	0.02	SW846-9014



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005-013

ERI99-W3-5

WAG 3 - SWMU 5

005013WA065-45

Collected: 9/27/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium		0.17	mg/L		0.05	SW846-6010A
Calcium	J	18.1	mg/L		0.5	SW846-6010A
Cobalt		0.038	mg/L		0.01	SW846-6010A
Iron		1.23	mg/L		0.2	SW846-6010A
Magnesium		6.97	mg/L		0.05	SW846-6010A
Manganese	N	2.43	mg/L		0.05	SW846-6010A
Sodium		18.5	mg/L		2	SW846-6010A

005013WA065-5

Collected: 9/27/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium		0.088	mg/L		0.05	SW846-6010A
Calcium	J	17.4	mg/L		0.5	SW846-6010A
Cobalt	U	0.01	mg/L		0.01	SW846-6010A
Iron		1.48	mg/L		0.2	SW846-6010A
Magnesium		6.9	mg/L		0.05	SW846-6010A
Manganese		0.373	mg/L		0.05	SW846-6010A
Sodium		17.3	mg/L		2	SW846-6010A

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**005-013**

**ERI99-W3-5**

**WAG 3 - SWMU 5**

**005013WA070**

Collected: 9/27/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride	X	21.4	mg/L		2	SW846-9056
Fluoride		0.12	mg/L		0.1	EPA-340.2
Nitrate	UX	4	mg/L		4	SW846-9056
Nitrate as Nitrogen	UX	1	mg/L		1	SW846-9056
Orthophosphate	UX	6	mg/L		6	SW846-9056
Sulfate	X	7.5	mg/L		5	SW846-9056
<b>METAL</b>						
Aluminum		13	mg/L		0.2	SW846-6010A
Barium		0.776	mg/L		0.05	SW846-6010A
Beryllium	BU	0.005	mg/L		0.005	SW846-6010A
Cadmium	U	0.01	mg/L		0.01	SW846-6010A
Calcium		17.2	mg/L		0.5	SW846-6010A
Chromium	U	0.05	mg/L		0.05	SW846-6010A
Cobalt		0.047	mg/L		0.01	SW846-6010A
Copper	U	0.05	mg/L		0.05	SW846-6010A
Iron	N	90.4	mg/L		0.2	SW846-6010A
Magnesium		7.19	mg/L		0.05	SW846-6010A
Manganese		6.52	mg/L		0.05	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel		0.104	mg/L		0.05	SW846-6010A
Potassium	U	2	mg/L		2	SW846-6010A
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Silver	U	0.05	mg/L		0.05	SW846-6010A
Sodium		15.8	mg/L		2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Vanadium	U	0.1	mg/L		0.1	SW846-6010A
Zinc	BU	0.2	mg/L		0.2	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		132	mg/L		100	EPA-160.2
pH		6.44	none			SW846-9040
Redox		184	mV			SM-2580-B
<b>RADS</b>						
Alpha activity	A	0.69	pCi/L	0.98	1.7	SW846-9310
Alpha activity	A	3.24	pCi/L	1.2	3.95	EPA-900.0
Beta activity		13.67	pCi/L	2.09	4.95	EPA-900.0
Beta activity		6.1	pCi/L	1.6	2.3	SW846-9310
Radium-226	A	-11.5	pCi/L	23	246	RL-7124
Radon	A	91.4	pCi/L	55.3	151	RL-7104
Technetium-99	AB	8.93	pCi/L	13.1	18.9	RL-7100
Technetium-99	A	10.3	pCi/L	8.5	14	DNT
<b>SVOA</b>						
1,2,4-Trichlorobenzene	JU	0.005	mg/L		0.005	SW846-8270
1,2,4-Trichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,2-Dichlorobenzene	JU	0.005	mg/L		0.005	SW846-8270
1,2-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,3-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,3-Dichlorobenzene	JU	0.005	mg/L		0.005	SW846-8270
1,4-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,4-Dichlorobenzene	JU	0.005	mg/L		0.005	SW846-8270

## 005-013

## ERI99-W3-5

## WAG 3 - SWMU 5

2,4,5-Trichlorophenol	JU	0.005	mg/L	0.005	SW846-8270
2,4,5-Trichlorophenol	U	0.01	mg/L	0.01	SW846-8270 M
2,4,6-Trichlorophenol	JU	0.005	mg/L	0.005	SW846-8270
2,4,6-Trichlorophenol	U	0.01	mg/L	0.01	SW846-8270 M
2,4-Dichlorophenol	JU	0.005	mg/L	0.005	SW846-8270
2,4-Dichlorophenol	U	0.01	mg/L	0.01	SW846-8270 M
2,4-Dimethylphenol	JU	0.005	mg/L	0.005	SW846-8270
2,4-Dimethylphenol	U	0.01	mg/L	0.01	SW846-8270 M
2,4-Dinitrophenol	U	0.01	mg/L	0.01	SW846-8270 M
2,4-Dinitrophenol	JU	0.005	mg/L	0.005	SW846-8270
2,4-Dinitrotoluene	JU	0.005	mg/L	0.005	SW846-8270
2,4-Dinitrotoluene	U	0.01	mg/L	0.01	SW846-8270 M
2,6-Dinitrotoluene	U	0.01	mg/L	0.01	SW846-8270 M
2,6-Dinitrotoluene	JU	0.005	mg/L	0.005	SW846-8270
2-Chloronaphthalene	U	0.01	mg/L	0.01	SW846-8270 M
2-Chloronaphthalene	JU	0.005	mg/L	0.005	SW846-8270
2-Chlorophenol	U	0.01	mg/L	0.01	SW846-8270 M
2-Chlorophenol	JU	0.005	mg/L	0.005	SW846-8270
2-Methyl-4,6-dinitrophenol	U	0.01	mg/L	0.01	SW846-8270 M
2-Methyl-4,6-dinitrophenol	JU	0.005	mg/L	0.005	SW846-8270
2-Methylnaphthalene	U	0.01	mg/L	0.01	SW846-8270 M
2-Methylnaphthalene	JU	0.005	mg/L	0.005	SW846-8270
2-Methylphenol	U	0.01	mg/L	0.01	SW846-8270 M
2-Methylphenol	JU	0.005	mg/L	0.005	SW846-8270
2-Nitrobenzenamine	U	0.01	mg/L	0.01	SW846-8270 M
2-Nitrobenzenamine	JU	0.005	mg/L	0.005	SW846-8270
2-Nitrophenol	U	0.01	mg/L	0.01	SW846-8270 M
2-Nitrophenol	JU	0.005	mg/L	0.005	SW846-8270
3,3'-Dichlorobenzidine	U	0.01	mg/L	0.01	SW846-8270 M
3,3'-Dichlorobenzidine	JU	0.005	mg/L	0.005	SW846-8270
3-Nitrobenzenamine	U	0.01	mg/L	0.01	SW846-8270 M
3-Nitrobenzenamine	JU	0.005	mg/L	0.005	SW846-8270
4-Bromophenyl phenyl ether	JU	0.005	mg/L	0.005	SW846-8270
4-Bromophenyl phenyl ether	U	0.01	mg/L	0.01	SW846-8270 M
4-Chloro-3-methylphenol	JU	0.005	mg/L	0.005	SW846-8270
4-Chloro-3-methylphenol	U	0.01	mg/L	0.01	SW846-8270 M
4-Chlorobenzenamine	JU	0.005	mg/L	0.005	SW846-8270
4-Chlorobenzenamine	U	0.01	mg/L	0.01	SW846-8270 M
4-Chlorophenyl phenyl ether	JU	0.005	mg/L	0.005	SW846-8270
4-Chlorophenyl phenyl ether	U	0.01	mg/L	0.01	SW846-8270 M
4-Methylphenol	U	0.01	mg/L	0.01	SW846-8270 M
4-Methylphenol	JU	0.005	mg/L	0.005	SW846-8270
4-Nitrobenzenamine	U	0.01	mg/L	0.01	SW846-8270 M
4-Nitrobenzenamine	JU	0.005	mg/L	0.005	SW846-8270
4-Nitrophenol	U	0.01	mg/L	0.01	SW846-8270 M
4-Nitrophenol	JU	0.005	mg/L	0.005	SW846-8270
Acenaphthene	JU	0.005	mg/L	0.005	SW846-8270
Acenaphthene	U	0.01	mg/L	0.01	SW846-8270 M
Acenaphthylene	JU	0.005	mg/L	0.005	SW846-8270
Acenaphthylene	U	0.01	mg/L	0.01	SW846-8270 M
Anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Anthracene	JU	0.005	mg/L	0.005	SW846-8270
Benz(a)anthracene	JU	0.005	mg/L	0.005	SW846-8270
Benz(a)anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(a)pyrene	JU	0.005	mg/L	0.005	SW846-8270

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## ERI99-W3-5

## WAG 3 - SWMU 5

Benzo(a)pyrene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(b)fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(b)fluoranthene	JU	0.005	mg/L	0.005	SW846-8270
Benzo(ghi)perylene	JU	0.005	mg/L	0.005	SW846-8270
Benzo(ghi)perylene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(k)fluoranthene	JU	0.005	mg/L	0.005	SW846-8270
Benzo(k)fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroethoxy)methane	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroethoxy)methane	JU	0.005	mg/L	0.005	SW846-8270
Bis(2-chloroethyl) ether	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroethyl) ether	JU	0.005	mg/L	0.005	SW846-8270
Bis(2-chloroisopropyl) ether	JU	0.005	mg/L	0.005	SW846-8270
Bis(2-chloroisopropyl) ether	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-ethylhexyl)phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-ethylhexyl)phthalate	JU	0.005	mg/L	0.005	SW846-8270
Butyl benzyl phthalate	JU	0.005	mg/L	0.005	SW846-8270
Butyl benzyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Carbazole	U	0.01	mg/L	0.01	SW846-8270 M
Carbazole	JU	0.005	mg/L	0.005	SW846-8270
Chrysene	U	0.01	mg/L	0.01	SW846-8270 M
Chrysene	JU	0.005	mg/L	0.005	SW846-8270
Dibenz(a,h)anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Dibenz(a,h)anthracene	JU	0.005	mg/L	0.005	SW846-8270
Dibenzofuran	U	0.01	mg/L	0.01	SW846-8270 M
Dibenzofuran	JU	0.005	mg/L	0.005	SW846-8270
Diethyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Diethyl phthalate	JU	0.005	mg/L	0.005	SW846-8270
Dimethyl phthalate	JU	0.005	mg/L	0.005	SW846-8270
Dimethyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Di-n-butyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Di-n-butyl phthalate	JU	0.005	mg/L	0.005	SW846-8270
Di-n-octylphthalate	JU	0.005	mg/L	0.005	SW846-8270
Di-n-octylphthalate	U	0.01	mg/L	0.01	SW846-8270 M
Fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Fluoranthene	JU	0.005	mg/L	0.005	SW846-8270
Fluorene	U	0.01	mg/L	0.01	SW846-8270 M
Fluorene	JU	0.005	mg/L	0.005	SW846-8270
Hexachlorobenzene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorobenzene	JU	0.005	mg/L	0.005	SW846-8270
Hexachlorobutadiene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorobutadiene	JU	0.005	mg/L	0.005	SW846-8270
Hexachlorocyclopentadiene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorocyclopentadiene	JU	0.005	mg/L	0.005	SW846-8270
Hexachloroethane	JU	0.005	mg/L	0.005	SW846-8270
Hexachloroethane	U	0.01	mg/L	0.01	SW846-8270 M
Indeno(1,2,3-cd)pyrene	JU	0.005	mg/L	0.005	SW846-8270
Indeno(1,2,3-cd)pyrene	U	0.01	mg/L	0.01	SW846-8270 M
Isophorone	JU	0.005	mg/L	0.005	SW846-8270
Isophorone	U	0.01	mg/L	0.01	SW846-8270 M
Naphthalene	JU	0.005	mg/L	0.005	SW846-8270
Naphthalene	U	0.01	mg/L	0.01	SW846-8270 M
Nitrobenzene	JU	0.005	mg/L	0.005	SW846-8270
Nitrobenzene	U	0.01	mg/L	0.01	SW846-8270 M
N-Nitroso-di-n-propylamine	JU	0.005	mg/L	0.005	SW846-8270
N-Nitroso-di-n-propylamine	U	0.01	mg/L	0.01	SW846-8270 M

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ERI99-W3-5

WAG 3 - SWMU 5

N-Nitrosodiphenylamine	U	0.01	mg/L	0.01	SW846-8270 M
N-Nitrosodiphenylamine	JU	0.005	mg/L	0.005	SW846-8270
Pentachlorophenol	U	0.01	mg/L	0.01	SW846-8270 M
Pentachlorophenol	JU	0.005	mg/L	0.005	SW846-8270
Phenanthrene	JU	0.005	mg/L	0.005	SW846-8270
Phenanthrene	U	0.01	mg/L	0.01	SW846-8270 M
Phenol	JU	0.005	mg/L	0.005	SW846-8270
Phenol	U	0.01	mg/L	0.01	SW846-8270 M
Pyrene	U	0.01	mg/L	0.01	SW846-8270 M
Pyrene	JU	0.005	mg/L	0.005	SW846-8270
Pyridine	JU	0.005	mg/L	0.005	SW846-8270

VOA

1,1-Dichloroethene	J	0.0006	mg/L	0.001	SW846-8021 M
cis-1,2-Dichloroethene	J	0.0004	mg/L	0.001	SW846-8021 M
trans-1,2-Dichloroethene	J	0.0002	mg/L	0.001	SW846-8021 M
Trichloroethene		0.01	mg/L	0.001	SW846-8021 M
Vinyl chloride	U	0.001	mg/L	0.001	SW846-8021 M

WETCHEM

Alkalinity		62	mg/L	10	EPA-310.1
Ammonia	U	0.2	mg/L	0.2	EPA-350.2
Bicarbonate as CaCO3		64	mg/L	10	SM-2320 B 17
Carbonate as CaCO3	U	10	mg/L	10	SM-2320 B 17
Chemical Oxygen Demand (COD)	JU	25	mg/L	25	EPA-410.4 1978
Cyanide	U	0.02	mg/L	0.02	SW846-9014
Phosphate as Phosphorous	UX	2	mg/L	2	SW846-9056
Silica		16	mg/L	1	EPA-370.1
Sulfide		2	mg/L	2	EPA-376.1
Suspended Solids		876	mg/L	10	EPA-160.1
Total Organic Carbon (TOC)		1	mg/L	1	SW846-9060
Turbidity		950	NTU	0.5	EPA-180.1 1978

005013WA070-45

Collected: 9/27/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium		0.283	mg/L		0.05	SW846-6010A
Calcium	J	18.9	mg/L		0.5	SW846-6010A
Cobalt		0.024	mg/L		0.01	SW846-6010A
Iron	U	0.2	mg/L		0.2	SW846-6010A
Magnesium		7.32	mg/L		0.05	SW846-6010A
Manganese	N	3.37	mg/L		0.05	SW846-6010A
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Sodium		17.3	mg/L		2	SW846-6010A

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ERI99-W3-5

WAG 3 - SWMU 5

005013WA070-5

Collected: 9/27/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium		0.242	mg/L		0.05	SW846-6010A
Calcium	J	18.4	mg/L		0.5	SW846-6010A
Cobalt		0.019	mg/L		0.01	SW846-6010A
Iron		1.07	mg/L		0.2	SW846-6010A
Magnesium		7.29	mg/L		0.05	SW846-6010A
Manganese		2.62	mg/L		0.05	SW846-6010A
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Sodium		16.6	mg/L		2	SW846-6010A

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**ERI99-W3-5**

**WAG 3 - SWMU 5**

**005013WA075**

Collected: 9/27/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum		23	mg/L		0.2	SW846-6010A
Barium		0.774	mg/L		0.05	SW846-6010A
Beryllium	B	0.005	mg/L		0.005	SW846-6010A
Cadmium	U	0.01	mg/L		0.01	SW846-6010A
Calcium		18.2	mg/L		0.5	SW846-6010A
Chromium	U	0.05	mg/L		0.05	SW846-6010A
Cobalt		0.018	mg/L		0.01	SW846-6010A
Copper	U	0.05	mg/L		0.05	SW846-6010A
Iron	*N	590	mg/L		2	SW846-6010A
Magnesium		7.47	mg/L		0.05	SW846-6010A
Manganese		5.97	mg/L		0.05	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel		0.24	mg/L		0.05	SW846-6010A
Potassium	U	2	mg/L		2	SW846-6010A
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Silver	U	0.05	mg/L		0.05	SW846-6010A
Sodium		14.7	mg/L		2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Vanadium	U	0.1	mg/L		0.1	SW846-6010A
Zinc	BU	0.2	mg/L		0.2	SW846-6010A
<b>RADS</b>						
Alpha activity	A	1.3	pCi/L	1.3	2.1	SW846-9310
Beta activity		5.5	pCi/L	1.6	2.4	SW846-9310
Radium-226	A	-63.8	pCi/L	128	205	RL-7124
Radon	A	92.8	pCi/L	51.5	151	RL-7104
Technetium-99	A	13	pCi/L	9.8	16	DNT
<b>SVOA</b>						
1,2,4-Trichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,2-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,3-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,4-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
2,4,5-Trichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4,6-Trichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dimethylphenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dinitrophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dinitrotoluene	U	0.01	mg/L		0.01	SW846-8270 M
2,6-Dinitrotoluene	U	0.01	mg/L		0.01	SW846-8270 M
2-Chloronaphthalene	U	0.01	mg/L		0.01	SW846-8270 M
2-Chlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Methyl-4,6-dinitrophenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Methylnaphthalene	U	0.01	mg/L		0.01	SW846-8270 M
2-Methylphenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Nitrobenzenamine	U	0.01	mg/L		0.01	SW846-8270 M
2-Nitrophenol	U	0.01	mg/L		0.01	SW846-8270 M
3,3'-Dichlorobenzidine	U	0.01	mg/L		0.01	SW846-8270 M
3-Nitrobenzenamine	U	0.01	mg/L		0.01	SW846-8270 M
4-Bromophenyl phenyl ether	U	0.01	mg/L		0.01	SW846-8270 M
4-Chloro-3-methylphenol	U	0.01	mg/L		0.01	SW846-8270 M

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## ERI99-W3-5

## WAG 3 - SWMU 5

4-Chlorobenzeneamine	U	0.01	mg/L	0.01	SW846-8270 M
4-Chlorophenyl phenyl ether	U	0.01	mg/L	0.01	SW846-8270 M
4-Methylphenol	U	0.01	mg/L	0.01	SW846-8270 M
4-Nitrobenzeneamine	U	0.01	mg/L	0.01	SW846-8270 M
4-Nitrophenol	U	0.01	mg/L	0.01	SW846-8270 M
Acenaphthene	U	0.01	mg/L	0.01	SW846-8270 M
Acenaphthylene	U	0.01	mg/L	0.01	SW846-8270 M
Anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Benz(a)anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(a)pyrene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(b)fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(ghi)perylene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(k)fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroethoxy)methane	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroethyl) ether	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroisopropyl) ether	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-ethylhexyl)phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Butyl benzyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Carbazole	U	0.01	mg/L	0.01	SW846-8270 M
Chrysene	U	0.01	mg/L	0.01	SW846-8270 M
Dibenz(a,h)anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Dibenzofuran	U	0.01	mg/L	0.01	SW846-8270 M
Diethyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Dimethyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Di-n-butyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Di-n-octylphthalate	U	0.01	mg/L	0.01	SW846-8270 M
Fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Fluorene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorobenzene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorobutadiene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorocyclopentadiene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachloroethane	U	0.01	mg/L	0.01	SW846-8270 M
Indeno(1,2,3-cd)pyrene	U	0.01	mg/L	0.01	SW846-8270 M
Isophorone	U	0.01	mg/L	0.01	SW846-8270 M
Naphthalene	U	0.01	mg/L	0.01	SW846-8270 M
Nitrobenzene	U	0.01	mg/L	0.01	SW846-8270 M
N-Nitroso-di-n-propylamine	U	0.01	mg/L	0.01	SW846-8270 M
N-Nitrosodiphenylamine	U	0.01	mg/L	0.01	SW846-8270 M
Pentachlorophenol	U	0.01	mg/L	0.01	SW846-8270 M
Phenanthrene	U	0.01	mg/L	0.01	SW846-8270 M
Phenol	U	0.01	mg/L	0.01	SW846-8270 M
Pyrene	U	0.01	mg/L	0.01	SW846-8270 M
<b>VOA</b>					
1,1-Dichloroethene		0.001	mg/L	0.001	SW846-8021 M
cis-1,2-Dichloroethene	J	0.0004	mg/L	0.001	SW846-8021 M
trans-1,2-Dichloroethene	J	0.0001	mg/L	0.001	SW846-8021 M
Trichloroethene		0.033	mg/L	0.001	SW846-8021 M
Vinyl chloride	U	0.001	mg/L	0.001	SW846-8021 M
<b>WETCHEM</b>					
Cyanide	U	0.02	mg/L	0.02	SW846-9014



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ERI99-W3-5

WAG 3 - SWMU 5

005013WA075-45

Collected: 9/27/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium		0.145	mg/L		0.05	SW846-6010A
Beryllium	BU	0.005	mg/L		0.005	SW846-6010A
Calcium	J	20	mg/L		0.5	SW846-6010A
Cobalt	U	0.01	mg/L		0.01	SW846-6010A
Iron	U	0.2	mg/L		0.2	SW846-6010A
Magnesium		7.73	mg/L		0.05	SW846-6010A
Manganese	N	1.06	mg/L		0.05	SW846-6010A
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Sodium		15.8	mg/L		2	SW846-6010A

005013WA075-5

Collected: 9/27/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium		0.209	mg/L		0.05	SW846-6010A
Beryllium	U	0.005	mg/L		0.005	SW846-6010A
Calcium	J	20.4	mg/L		0.5	SW846-6010A
Cobalt	U	0.01	mg/L		0.01	SW846-6010A
Iron	U	0.2	mg/L		0.2	SW846-6010A
Magnesium		7.78	mg/L		0.05	SW846-6010A
Manganese		1.73	mg/L		0.05	SW846-6010A
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Sodium		15.6	mg/L		2	SW846-6010A

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**ERI99-W3-5**

**WAG 3 - SWMU 5**

**005013WA080**

Collected: 9/27/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum		1.58	mg/L		0.2	SW846-6010A
Barium		0.087	mg/L		0.05	SW846-6010A
Beryllium	BU	0.005	mg/L		0.005	SW846-6010A
Cadmium	U	0.01	mg/L		0.01	SW846-6010A
Calcium		17.5	mg/L		0.5	SW846-6010A
Chromium	U	0.05	mg/L		0.05	SW846-6010A
Cobalt	U	0.01	mg/L		0.01	SW846-6010A
Copper	U	0.05	mg/L		0.05	SW846-6010A
Iron	N	16.6	mg/L		0.2	SW846-6010A
Magnesium		7.21	mg/L		0.05	SW846-6010A
Manganese		0.312	mg/L		0.05	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Potassium	U	2	mg/L		2	SW846-6010A
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Silver	U	0.05	mg/L		0.05	SW846-6010A
Sodium		16.3	mg/L		2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Vanadium	U	0.1	mg/L		0.1	SW846-6010A
Zinc	BU	0.2	mg/L		0.2	SW846-6010A
<b>RADS</b>						
Alpha activity	A	0.3	pCi/L	1.4	2.6	SW846-9310
Beta activity		14	pCi/L	2	2.5	SW846-9310
Radon	A	97.4	pCi/L	51.7	151	RL-7104
Technetium-99		31	pCi/L	11	16	DNT
<b>SVOA</b>						
1,2,4-Trichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,2-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,3-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,4-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
2,4,5-Trichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4,6-Trichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dimethylphenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dinitrophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dinitrotoluene	U	0.01	mg/L		0.01	SW846-8270 M
2,6-Dinitrotoluene	U	0.01	mg/L		0.01	SW846-8270 M
2-Chloronaphthalene	U	0.01	mg/L		0.01	SW846-8270 M
2-Chlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Methyl-4,6-dinitrophenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Methylnaphthalene	U	0.01	mg/L		0.01	SW846-8270 M
2-Methylphenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Nitrobenzenamine	U	0.01	mg/L		0.01	SW846-8270 M
2-Nitrophenol	U	0.01	mg/L		0.01	SW846-8270 M
3,3'-Dichlorobenzidine	U	0.01	mg/L		0.01	SW846-8270 M
3-Nitrobenzenamine	U	0.01	mg/L		0.01	SW846-8270 M
4-Bromophenyl phenyl ether	U	0.01	mg/L		0.01	SW846-8270 M
4-Chloro-3-methylphenol	U	0.01	mg/L		0.01	SW846-8270 M
4-Chlorobenzenamine	U	0.01	mg/L		0.01	SW846-8270 M

## 005-013

## ERI99-W3-5

## WAG 3 - SWMU 5

4-Chlorophenyl phenyl ether	U	0.01	mg/L	0.01	SW846-8270 M
4-Methylphenol	U	0.01	mg/L	0.01	SW846-8270 M
4-Nitrobenzenamine	U	0.01	mg/L	0.01	SW846-8270 M
4-Nitrophenol	U	0.01	mg/L	0.01	SW846-8270 M
Acenaphthene	U	0.01	mg/L	0.01	SW846-8270 M
Acenaphthylene	U	0.01	mg/L	0.01	SW846-8270 M
Anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Benz(a)anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(a)pyrene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(b)fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(ghi)perylene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(k)fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroethoxy)methane	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroethyl) ether	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroisopropyl) ether	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-ethylhexyl)phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Butyl benzyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Carbazole	U	0.01	mg/L	0.01	SW846-8270 M
Chrysene	U	0.01	mg/L	0.01	SW846-8270 M
Dibenz(a,h)anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Dibenzofuran	U	0.01	mg/L	0.01	SW846-8270 M
Diethyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Dimethyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Di-n-butyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Di-n-octylphthalate	U	0.01	mg/L	0.01	SW846-8270 M
Fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Fluorene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorobenzene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorobutadiene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorocyclopentadiene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachloroethane	U	0.01	mg/L	0.01	SW846-8270 M
Indeno(1,2,3-cd)pyrene	U	0.01	mg/L	0.01	SW846-8270 M
Isophorone	U	0.01	mg/L	0.01	SW846-8270 M
Naphthalene	U	0.01	mg/L	0.01	SW846-8270 M
Nitrobenzene	U	0.01	mg/L	0.01	SW846-8270 M
N-Nitroso-di-n-propylamine	U	0.01	mg/L	0.01	SW846-8270 M
N-Nitrosodiphenylamine	U	0.01	mg/L	0.01	SW846-8270 M
Pentachlorophenol	U	0.01	mg/L	0.01	SW846-8270 M
Phenanthrene	U	0.01	mg/L	0.01	SW846-8270 M
Phenol	U	0.01	mg/L	0.01	SW846-8270 M
Pyrene	U	0.01	mg/L	0.01	SW846-8270 M
<b>VOA</b>					
1,1-Dichloroethene		0.002	mg/L	0.001	SW846-8021 M
cis-1,2-Dichloroethene		0.002	mg/L	0.001	SW846-8021 M
trans-1,2-Dichloroethene	J	0.0002	mg/L	0.001	SW846-8021 M
Trichloroethene		0.027	mg/L	0.001	SW846-8021 M
Vinyl chloride	U	0.001	mg/L	0.001	SW846-8021 M
<b>WETCHEM</b>					
Cyanide	U	0.02	mg/L	0.02	SW846-9014

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005-013

ERI99-W3-5

WAG 3 - SWMU 5

005013WA080-45

Collected: 9/27/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium		0.069	mg/L		0.05	SW846-6010A
Calcium	J	18.1	mg/L		0.5	SW846-6010A
Iron		1.59	mg/L		0.2	SW846-6010A
Magnesium		7.22	mg/L		0.05	SW846-6010A
Manganese	N	0.225	mg/L		0.05	SW846-6010A
Sodium		15.5	mg/L		2	SW846-6010A

005013WA080-5

Collected: 9/27/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium		0.07	mg/L		0.05	SW846-6010A
Calcium	J	18.7	mg/L		0.5	SW846-6010A
Iron		1.77	mg/L		0.2	SW846-6010A
Magnesium		7.33	mg/L		0.05	SW846-6010A
Manganese		0.216	mg/L		0.05	SW846-6010A
Sodium		15.6	mg/L		2	SW846-6010A

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005-013

ERI99-W3-5

WAG 3 - SWMU 5

005013WA085

Collected: 9/27/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum		8.5	mg/L		0.2	SW846-6010A
Barium		1.47	mg/L		0.05	SW846-6010A
Beryllium	BU	0.005	mg/L		0.005	SW846-6010A
Cadmium	U	0.01	mg/L		0.01	SW846-6010A
Calcium		16.1	mg/L		0.5	SW846-6010A
Chromium	U	0.05	mg/L		0.05	SW846-6010A
Cobalt		0.012	mg/L		0.01	SW846-6010A
Copper	U	0.05	mg/L		0.05	SW846-6010A
Iron	N	120	mg/L		0.2	SW846-6010A
Magnesium		6.93	mg/L		0.05	SW846-6010A
Manganese		9.85	mg/L		0.05	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel		0.06	mg/L		0.05	SW846-6010A
Potassium	U	2	mg/L		2	SW846-6010A
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Silver	U	0.05	mg/L		0.05	SW846-6010A
Sodium		13.8	mg/L		2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Vanadium	U	0.1	mg/L		0.1	SW846-6010A
Zinc	BU	0.2	mg/L		0.2	SW846-6010A
<b>RADS</b>						
Alpha activity	A	0.9	pCi/L	1.1	1.9	SW846-9310
Beta activity		15.2	pCi/L	2	2.4	SW846-9310
Radon	A	127	pCi/L	55.9	155	RL-7104
Technetium-99		20	pCi/L	10	16	DNT
<b>SVOA</b>						
1,2,4-Trichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,2-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,3-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,4-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
2,4,5-Trichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4,6-Trichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dimethylphenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dinitrophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dinitrotoluene	U	0.01	mg/L		0.01	SW846-8270 M
2,6-Dinitrotoluene	U	0.01	mg/L		0.01	SW846-8270 M
2-Chloronaphthalene	U	0.01	mg/L		0.01	SW846-8270 M
2-Chlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Methyl-4,6-dinitrophenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Methylnaphthalene	U	0.01	mg/L		0.01	SW846-8270 M
2-Methylphenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Nitrobenzenamine	U	0.01	mg/L		0.01	SW846-8270 M
2-Nitrophenol	U	0.01	mg/L		0.01	SW846-8270 M
3,3'-Dichlorobenzidine	U	0.01	mg/L		0.01	SW846-8270 M
3-Nitrobenzenamine	U	0.01	mg/L		0.01	SW846-8270 M
4-Bromophenyl phenyl ether	U	0.01	mg/L		0.01	SW846-8270 M
4-Chloro-3-methylphenol	U	0.01	mg/L		0.01	SW846-8270 M
4-Chlorobenzenamine	U	0.01	mg/L		0.01	SW846-8270 M

\*QUALIFIER Codes See attached List.

## 005-013

## ERI99-W3-5

## WAG 3 - SWMU 5

4-Chlorophenyl phenyl ether	U	0.01	mg/L	0.01	SW846-8270 M
4-Methylphenol	U	0.01	mg/L	0.01	SW846-8270 M
4-Nitrobenzenamine	U	0.01	mg/L	0.01	SW846-8270 M
4-Nitrophenol	U	0.01	mg/L	0.01	SW846-8270 M
Acenaphthene	U	0.01	mg/L	0.01	SW846-8270 M
Acenaphthylene	U	0.01	mg/L	0.01	SW846-8270 M
Anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Benz(a)anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(a)pyrene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(b)fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(ghi)perylene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(k)fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroethoxy)methane	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroethyl) ether	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroisopropyl) ether	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-ethylhexyl)phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Butyl benzyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Carbazole	U	0.01	mg/L	0.01	SW846-8270 M
Chrysene	U	0.01	mg/L	0.01	SW846-8270 M
Dibenz(a,h)anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Dibenzofuran	U	0.01	mg/L	0.01	SW846-8270 M
Diethyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Dimethyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Di-n-butyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Di-n-octylphthalate	U	0.01	mg/L	0.01	SW846-8270 M
Fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Fluorene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorobenzene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorobutadiene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorocyclopentadiene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachloroethane	U	0.01	mg/L	0.01	SW846-8270 M
Indeno(1,2,3-cd)pyrene	U	0.01	mg/L	0.01	SW846-8270 M
Isophorone	U	0.01	mg/L	0.01	SW846-8270 M
Naphthalene	U	0.01	mg/L	0.01	SW846-8270 M
Nitrobenzene	U	0.01	mg/L	0.01	SW846-8270 M
N-Nitroso-di-n-propylamine	U	0.01	mg/L	0.01	SW846-8270 M
N-Nitrosodiphenylamine	U	0.01	mg/L	0.01	SW846-8270 M
Pentachlorophenol	U	0.01	mg/L	0.01	SW846-8270 M
Phenanthrene	U	0.01	mg/L	0.01	SW846-8270 M
Phenol	U	0.01	mg/L	0.01	SW846-8270 M
Pyrene	U	0.01	mg/L	0.01	SW846-8270 M
<b>VOA</b>					
1,1-Dichloroethene		0.003	mg/L	0.001	SW846-8021 M
cis-1,2-Dichloroethene		0.002	mg/L	0.001	SW846-8021 M
trans-1,2-Dichloroethene	J	0.0003	mg/L	0.001	SW846-8021 M
Trichloroethene		0.02	mg/L	0.001	SW846-8021 M
Vinyl chloride	U	0.001	mg/L	0.001	SW846-8021 M
<b>WETCHEM</b>					
Cyanide	U	0.02	mg/L	0.02	SW846-9014

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005-013

ERI99-W3-5

WAG 3 - SWMU 5

005013WA085-45

Collected: 9/27/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium		0.163	mg/L		0.05	SW846-6010A
Calcium	J	18.6	mg/L		0.5	SW846-6010A
Cobalt	U	0.01	mg/L		0.01	SW846-6010A
Iron		0.569	mg/L		0.2	SW846-6010A
Magnesium		7.43	mg/L		0.05	SW846-6010A
Manganese	N	1.15	mg/L		0.05	SW846-6010A
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Sodium		16	mg/L		2	SW846-6010A

005013WA085-5

Collected: 9/27/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium		0.182	mg/L		0.05	SW846-6010A
Calcium	J	19	mg/L		0.5	SW846-6010A
Cobalt	U	0.01	mg/L		0.01	SW846-6010A
Iron		0.21	mg/L		0.2	SW846-6010A
Magnesium		7.54	mg/L		0.05	SW846-6010A
Manganese		1.32	mg/L		0.05	SW846-6010A
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Sodium		15.7	mg/L		2	SW846-6010A

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**005-013**

**ERI99-W3-5**

**WAG 3 - SWMU 5**

**005013WA090**

Collected: 9/27/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum		23	mg/L		0.2	SW846-6010A
Barium		1.14	mg/L		0.05	SW846-6010A
Beryllium	BU	0.005	mg/L		0.005	SW846-6010A
Cadmium	U	0.01	mg/L		0.01	SW846-6010A
Calcium		17.7	mg/L		0.5	SW846-6010A
Chromium		0.063	mg/L		0.05	SW846-6010A
Cobalt		0.019	mg/L		0.01	SW846-6010A
Copper	U	0.05	mg/L		0.05	SW846-6010A
Iron	*N	348	mg/L		2	SW846-6010A
Magnesium		8.78	mg/L		0.05	SW846-6010A
Manganese		7.85	mg/L		0.05	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel		0.18	mg/L		0.05	SW846-6010A
Potassium		3.38	mg/L		2	SW846-6010A
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Silver	U	0.05	mg/L		0.05	SW846-6010A
Sodium		15	mg/L		2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Vanadium	U	0.1	mg/L		0.1	SW846-6010A
Zinc		0.23	mg/L		0.2	SW846-6010A
<b>RADS</b>						
Alpha activity	A	0.17	pCi/L	0.91	1.7	SW846-9310
Beta activity		10.9	pCi/L	2	2.7	SW846-9310
Radium-226	A	5.63	pCi/L	11.3	231	RL-7124
Radon	A	150	pCi/L	54.2	155	RL-7104
Technetium-99		20	pCi/L	10	16	DNT
<b>SVOA</b>						
1,2,4-Trichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,2-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,3-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,4-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
2,4,5-Trichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4,6-Trichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dimethylphenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dinitrophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dinitrotoluene	U	0.01	mg/L		0.01	SW846-8270 M
2,6-Dinitrotoluene	U	0.01	mg/L		0.01	SW846-8270 M
2-Chloronaphthalene	U	0.01	mg/L		0.01	SW846-8270 M
2-Chlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Methyl-4,6-dinitrophenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Methylnaphthalene	U	0.01	mg/L		0.01	SW846-8270 M
2-Methylphenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Nitrobenzenamine	U	0.01	mg/L		0.01	SW846-8270 M
2-Nitrophenol	U	0.01	mg/L		0.01	SW846-8270 M
3,3'-Dichlorobenzidine	U	0.01	mg/L		0.01	SW846-8270 M
3-Nitrobenzenamine	U	0.01	mg/L		0.01	SW846-8270 M
4-Bromophenyl phenyl ether	U	0.01	mg/L		0.01	SW846-8270 M
4-Chloro-3-methylphenol	U	0.01	mg/L		0.01	SW846-8270 M



## 005-013

## ERI99-W3-5

## WAG 3 - SWMU 5

4-Chlorobenzeneamine	U	0.01	mg/L	0.01	SW846-8270 M
4-Chlorophenyl phenyl ether	U	0.01	mg/L	0.01	SW846-8270 M
4-Methylphenol	U	0.01	mg/L	0.01	SW846-8270 M
4-Nitrobenzeneamine	U	0.01	mg/L	0.01	SW846-8270 M
4-Nitrophenol	U	0.01	mg/L	0.01	SW846-8270 M
Acenaphthene	U	0.01	mg/L	0.01	SW846-8270 M
Acenaphthylene	U	0.01	mg/L	0.01	SW846-8270 M
Anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Benz(a)anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(a)pyrene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(b)fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(ghi)perylene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(k)fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroethoxy)methane	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroethyl) ether	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroisopropyl) ether	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-ethylhexyl)phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Butyl benzyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Carbazole	U	0.01	mg/L	0.01	SW846-8270 M
Chrysene	U	0.01	mg/L	0.01	SW846-8270 M
Dibenz(a,h)anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Dibenzofuran	U	0.01	mg/L	0.01	SW846-8270 M
Diethyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Dimethyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Di-n-butyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Di-n-octylphthalate	U	0.01	mg/L	0.01	SW846-8270 M
Fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Fluorene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorobenzene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorobutadiene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorocyclopentadiene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachloroethane	U	0.01	mg/L	0.01	SW846-8270 M
Indeno(1,2,3-cd)pyrene	U	0.01	mg/L	0.01	SW846-8270 M
Isophorone	U	0.01	mg/L	0.01	SW846-8270 M
Naphthalene	U	0.01	mg/L	0.01	SW846-8270 M
Nitrobenzene	U	0.01	mg/L	0.01	SW846-8270 M
N-Nitroso-di-n-propylamine	U	0.01	mg/L	0.01	SW846-8270 M
N-Nitrosodiphenylamine	U	0.01	mg/L	0.01	SW846-8270 M
Pentachlorophenol	U	0.01	mg/L	0.01	SW846-8270 M
Phenanthrene	U	0.01	mg/L	0.01	SW846-8270 M
Phenol	U	0.01	mg/L	0.01	SW846-8270 M
Pyrene	U	0.01	mg/L	0.01	SW846-8270 M
<b>VOA</b>					
1,1-Dichloroethene	J	0.0008	mg/L	0.001	SW846-8021 M
cis-1,2-Dichloroethene	J	0.0009	mg/L	0.001	SW846-8021 M
trans-1,2-Dichloroethene	J	0.0002	mg/L	0.001	SW846-8021 M
Trichloroethene		0.015	mg/L	0.001	SW846-8021 M
Vinyl chloride	U	0.001	mg/L	0.001	SW846-8021 M
<b>WETCHEM</b>					
Cyanide	U	0.02	mg/L	0.02	SW846-9014

# Paducah-OREIS Data Report

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**005-013**

**ERI99-W3-5**

**WAG 3 - SWMU 5**

**005013WA090-45**

Collected: 9/27/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium		0.09	mg/L		0.05	SW846-6010A
Calcium	J	17.5	mg/L		0.5	SW846-6010A
Chromium	U	0.05	mg/L		0.05	SW846-6010A
Cobalt	U	0.01	mg/L		0.01	SW846-6010A
Iron	U	0.2	mg/L		0.2	SW846-6010A
Magnesium		7.03	mg/L		0.05	SW846-6010A
Manganese	N	0.323	mg/L		0.05	SW846-6010A
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Potassium	U	2	mg/L		2	SW846-6010A
Sodium		15.3	mg/L		2	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A

**005013WA090-5**

Collected: 9/27/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium		0.088	mg/L		0.05	SW846-6010A
Calcium	J	17.6	mg/L		0.5	SW846-6010A
Chromium	U	0.05	mg/L		0.05	SW846-6010A
Cobalt	U	0.01	mg/L		0.01	SW846-6010A
Iron		0.238	mg/L		0.2	SW846-6010A
Magnesium		7.09	mg/L		0.05	SW846-6010A
Manganese		0.267	mg/L		0.05	SW846-6010A
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Potassium	U	2	mg/L		2	SW846-6010A
Sodium		14.8	mg/L		2	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A

# Paducah-OREIS Data Report

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**005-013**

**ERI99-W3-5**

**WAG 3 - SWMU 5**

**005013WA095**

Collected: 9/28/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	*N	13.2	mg/L		0.2	SW846-6010A
Barium		0.187	mg/L		0.05	SW846-6010A
Beryllium	BU	0.01	mg/L		0.01	SW846-6010A
Cadmium	BU	0.01	mg/L		0.01	SW846-6010A
Calcium		22.5	mg/L		1	SW846-6010A
Chromium	BU	0.05	mg/L		0.05	SW846-6010A
Cobalt		0.018	mg/L		0.01	SW846-6010A
Copper	BU	0.05	mg/L		0.05	SW846-6010A
Iron	*N	54.7	mg/L		0.2	SW846-6010A
Magnesium	N	10.4	mg/L		0.05	SW846-6010A
Manganese	N	1.73	mg/L		0.05	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Potassium	N	4.5	mg/L		2	SW846-6010A
Selenium	NUW	0.005	mg/L		0.005	SW846-7740
Silver	BU	0.05	mg/L		0.05	SW846-6010A
Sodium		10	mg/L		2	SW846-6010A
Thallium	BNU	0.2	mg/L		0.2	SW846-6010A
Vanadium	N	0.101	mg/L		0.05	SW846-6010A
Zinc	BU	0.2	mg/L		0.2	SW846-6010A
<b>RADS</b>						
Alpha activity		1.8	pCi/L	1.2	1.8	SW846-9310
Beta activity	A	2.2	pCi/L	1.4	2.3	SW846-9310
Radon	X	169	pCi/L	57.2	155	RL-7104
Technetium-99	A	13	pCi/L	9.9	16	DNT
<b>SVOA</b>						
1,2,4-Trichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,2-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,3-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,4-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
2,4,5-Trichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4,6-Trichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dimethylphenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dinitrophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dinitrotoluene	U	0.01	mg/L		0.01	SW846-8270 M
2,6-Dinitrotoluene	U	0.01	mg/L		0.01	SW846-8270 M
2-Chloronaphthalene	U	0.01	mg/L		0.01	SW846-8270 M
2-Chlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Methyl-4,6-dinitrophenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Methylnaphthalene	U	0.01	mg/L		0.01	SW846-8270 M
2-Methylphenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Nitrobenzenamine	U	0.01	mg/L		0.01	SW846-8270 M
2-Nitrophenol	U	0.01	mg/L		0.01	SW846-8270 M
3,3'-Dichlorobenzidine	U	0.01	mg/L		0.01	SW846-8270 M
3-Nitrobenzenamine	U	0.01	mg/L		0.01	SW846-8270 M
4-Bromophenyl phenyl ether	U	0.01	mg/L		0.01	SW846-8270 M
4-Chloro-3-methylphenol	U	0.01	mg/L		0.01	SW846-8270 M
4-Chlorobenzenamine	U	0.01	mg/L		0.01	SW846-8270 M

## 005-013

## ERI99-W3-5

## WAG 3 - SWMU 5

4-Chlorophenyl phenyl ether	U	0.01	mg/L	0.01	SW846-8270 M
4-Methylphenol	U	0.01	mg/L	0.01	SW846-8270 M
4-Nitrobenzenamine	U	0.01	mg/L	0.01	SW846-8270 M
4-Nitrophenol	U	0.01	mg/L	0.01	SW846-8270 M
Acenaphthene	U	0.01	mg/L	0.01	SW846-8270 M
Acenaphthylene	U	0.01	mg/L	0.01	SW846-8270 M
Anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Benz(a)anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(a)pyrene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(b)fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(ghi)perylene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(k)fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroethoxy)methane	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroethyl) ether	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroisopropyl) ether	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-ethylhexyl)phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Butyl benzyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Carbazole	U	0.01	mg/L	0.01	SW846-8270 M
Chrysene	U	0.01	mg/L	0.01	SW846-8270 M
Dibenz(a,h)anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Dibenzofuran	U	0.01	mg/L	0.01	SW846-8270 M
Diethyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Dimethyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Di-n-butyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Di-n-octylphthalate	U	0.01	mg/L	0.01	SW846-8270 M
Fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Fluorene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorobenzene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorobutadiene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorocyclopentadiene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachloroethane	U	0.01	mg/L	0.01	SW846-8270 M
Indeno(1,2,3-cd)pyrene	U	0.01	mg/L	0.01	SW846-8270 M
Isophorone	U	0.01	mg/L	0.01	SW846-8270 M
Naphthalene	U	0.01	mg/L	0.01	SW846-8270 M
Nitrobenzene	U	0.01	mg/L	0.01	SW846-8270 M
N-Nitroso-di-n-propylamine	U	0.01	mg/L	0.01	SW846-8270 M
N-Nitrosodiphenylamine	U	0.01	mg/L	0.01	SW846-8270 M
Pentachlorophenol	U	0.01	mg/L	0.01	SW846-8270 M
Phenanthrene	U	0.01	mg/L	0.01	SW846-8270 M
Phenol	U	0.01	mg/L	0.01	SW846-8270 M
Pyrene	U	0.01	mg/L	0.01	SW846-8270 M

## VOA

1,1,1-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,1,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
1,2-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dimethylbenzene	U	0.005	mg/L	0.005	SW846-8260
2-Butanone	JU	0.01	mg/L	0.01	SW846-8260
2-Hexanone	U	0.01	mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L	0.01	SW846-8260
Acetone	JU	0.01	mg/L	0.01	SW846-8260
Benzene	UY	0.005	mg/L	0.005	SW846-8260

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ERI99-W3-5

WAG 3 - SWMU 5

Bromodichloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromoform	U	0.005	mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	0.005	SW846-8260
Chlorobenzene	UY	0.005	mg/L	0.005	SW846-8260
Chloroethane	JU	0.005	mg/L	0.005	SW846-8260
Chloromethane	JU	0.005	mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
cis-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L	0.005	SW846-8260
m,p-Xylene	U	0.01	mg/L	0.01	SW846-8260
Methylene chloride	U	0.01	mg/L	0.01	SW846-8260
Styrene	U	0.005	mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L	0.005	SW846-8260
Toluene	UY	0.005	mg/L	0.005	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
trans-1,2-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
trans-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Trichloroethene	UY	0.001	mg/L	0.001	SW846-8260
Trichloroethene	J	0.0003	mg/L	0.001	SW846-8021 M
Vinyl chloride	U	0.001	mg/L	0.001	SW846-8021 M
<b>WETCHEM</b>					
Cyanide	U	0.02	mg/L	0.02	SW846-9014

005013WA095-45

Collected: 9/28/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium		0.073	mg/L		0.05	SW846-6010A
Calcium		16.6	mg/L		1	SW846-6010A
Cobalt		0.011	mg/L		0.01	SW846-6010A
Iron	N	5.63	mg/L		0.2	SW846-6010A
Magnesium		7.23	mg/L		0.05	SW846-6010A
Manganese		0.982	mg/L		0.05	SW846-6010A
Potassium		2.14	mg/L		2	SW846-6010A
Sodium		11.5	mg/L		2	SW846-6010A
Vanadium	U	0.05	mg/L		0.05	SW846-6010A

# Paducah-OREIS Data Report

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**005-013**

**ERI99-W3-5**

**WAG 3 - SWMU 5**

**005013WA095-5**

Collected: 9/28/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium		0.09	mg/L		0.05	SW846-6010A
Calcium	N	18.4	mg/L		1	SW846-6010A
Cobalt	U	0.01	mg/L		0.01	SW846-6010A
Iron	N	11.3	mg/L		0.2	SW846-6010A
Magnesium		7.75	mg/L		0.05	SW846-6010A
Manganese		1.22	mg/L		0.05	SW846-6010A
Potassium		2.15	mg/L		2	SW846-6010A
Sodium		11	mg/L		2	SW846-6010A
Vanadium	U	0.05	mg/L		0.05	SW846-6010A

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**005-013**

**ERI99-W3-5**

**WAG 3 - SWMU 5**

**005013WA110**

Collected: 9/28/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	*N	97.2	mg/L		0.2	SW846-6010A
Barium		0.633	mg/L		0.05	SW846-6010A
Beryllium	B	0.018	mg/L		0.01	SW846-6010A
Cadmium	BU	0.01	mg/L		0.01	SW846-6010A
Calcium		35.6	mg/L		1	SW846-6010A
Chromium		0.378	mg/L		0.05	SW846-6010A
Cobalt		0.139	mg/L		0.01	SW846-6010A
Copper		0.08	mg/L		0.05	SW846-6010A
Iron	*N	600	mg/L		2	SW846-6010A
Lead		0.238	mg/L		0.2	SW846-6010A
Magnesium	N	22.2	mg/L		0.05	SW846-6010A
Manganese	N	3.14	mg/L		0.05	SW846-6010A
Mercury		0.0005	mg/L		0.0002	SW846-7470
Nickel		0.105	mg/L		0.05	SW846-6010A
Potassium	N	23.7	mg/L		2	SW846-6010A
Selenium	NUW	0.005	mg/L		0.005	SW846-7740
Silver	BU	0.05	mg/L		0.05	SW846-6010A
Sodium		7.97	mg/L		2	SW846-6010A
Thallium	BENU	0.2	mg/L		0.2	SW846-6010A
Vanadium	N	0.719	mg/L		0.05	SW846-6010A
Zinc		0.421	mg/L		0.2	SW846-6010A
<b>RADS</b>						
Alpha activity		2.4	pCi/L	1.1	1.5	SW846-9310
Beta activity	A	-1.2	pCi/L	1.8	3.1	SW846-9310
Radon	AX	146	pCi/L	68.8	155	RL-7104
Technetium-99	A	4.3	pCi/L	9.4	16	DNT
<b>SVOA</b>						
1,2,4-Trichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,2-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,3-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,4-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
2,4,5-Trichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4,6-Trichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dimethylphenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dinitrophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dinitrotoluene	U	0.01	mg/L		0.01	SW846-8270 M
2,6-Dinitrotoluene	U	0.01	mg/L		0.01	SW846-8270 M
2-Chloronaphthalene	U	0.01	mg/L		0.01	SW846-8270 M
2-Chlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Methyl-4,6-dinitrophenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Methylnaphthalene	U	0.01	mg/L		0.01	SW846-8270 M
2-Methylphenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Nitrobenzenamine	U	0.01	mg/L		0.01	SW846-8270 M
2-Nitrophenol	U	0.01	mg/L		0.01	SW846-8270 M
3,3'-Dichlorobenzidine	U	0.01	mg/L		0.01	SW846-8270 M
3-Nitrobenzenamine	U	0.01	mg/L		0.01	SW846-8270 M
4-Bromophenyl phenyl ether	U	0.01	mg/L		0.01	SW846-8270 M
4-Chloro-3-methylphenol	U	0.01	mg/L		0.01	SW846-8270 M

## 005-013

## ERI99-W3-5

## WAG 3 - SWMU 5

4-Chlorobenzeneamine	U	0.01	mg/L	0.01	SW846-8270 M
4-Chlorophenyl phenyl ether	U	0.01	mg/L	0.01	SW846-8270 M
4-Methylphenol	U	0.01	mg/L	0.01	SW846-8270 M
4-Nitrobenzenamine	U	0.01	mg/L	0.01	SW846-8270 M
4-Nitrophenol	U	0.01	mg/L	0.01	SW846-8270 M
Acenaphthene	U	0.01	mg/L	0.01	SW846-8270 M
Acenaphthylene	U	0.01	mg/L	0.01	SW846-8270 M
Anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Benz(a)anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(a)pyrene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(b)fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(ghi)perylene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(k)fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroethoxy)methane	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroethyl) ether	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroisopropyl) ether	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-ethylhexyl)phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Butyl benzyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Carbazole	U	0.01	mg/L	0.01	SW846-8270 M
Chrysene	U	0.01	mg/L	0.01	SW846-8270 M
Dibenz(a,h)anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Dibenzofuran	U	0.01	mg/L	0.01	SW846-8270 M
Diethyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Dimethyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Di-n-butyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Di-n-octylphthalate	U	0.01	mg/L	0.01	SW846-8270 M
Fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Fluorene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorobenzene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorobutadiene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorocyclopentadiene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachloroethane	U	0.01	mg/L	0.01	SW846-8270 M
Indeno(1,2,3-cd)pyrene	U	0.01	mg/L	0.01	SW846-8270 M
Isophorone	U	0.01	mg/L	0.01	SW846-8270 M
Naphthalene	U	0.01	mg/L	0.01	SW846-8270 M
Nitrobenzene	U	0.01	mg/L	0.01	SW846-8270 M
N-Nitroso-di-n-propylamine	U	0.01	mg/L	0.01	SW846-8270 M
N-Nitrosodiphenylamine	U	0.01	mg/L	0.01	SW846-8270 M
Pentachlorophenol	U	0.01	mg/L	0.01	SW846-8270 M
Phenanthrene	U	0.01	mg/L	0.01	SW846-8270 M
Phenol	U	0.01	mg/L	0.01	SW846-8270 M
Pyrene	U	0.01	mg/L	0.01	SW846-8270 M
<b>VOA</b>					
1,1-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
cis-1,2-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
trans-1,2-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
Trichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
Vinyl chloride	U	0.001	mg/L	0.001	SW846-8021 M
<b>WETCHEM</b>					
Cyanide	U	0.02	mg/L	0.02	SW846-9014



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005-013

ERI99-W3-5

WAG 3 - SWMU 5

005013WA110-45

Collected: 9/28/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Mercury	U	0.0002	mg/L		0.0002	SW846-7470

005013WA110-5

Collected: 9/28/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum		1.56	mg/L		0.2	SW846-6010A
Barium		0.065	mg/L		0.05	SW846-6010A
Beryllium	U	0.01	mg/L		0.01	SW846-6010A
Calcium	N	10.1	mg/L		1	SW846-6010A
Chromium	U	0.05	mg/L		0.05	SW846-6010A
Cobalt	U	0.01	mg/L		0.01	SW846-6010A
Copper	U	0.05	mg/L		0.05	SW846-6010A
Iron	N	2.94	mg/L		0.2	SW846-6010A
Magnesium		4.52	mg/L		0.05	SW846-6010A
Manganese		0.47	mg/L		0.05	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Potassium		3.08	mg/L		2	SW846-6010A
Sodium		10.3	mg/L		2	SW846-6010A
Vanadium	U	0.05	mg/L		0.05	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A

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**005-015**

**ERI99-W3-5**

**WAG 3 - SWMU 5**

**005015WA060**

Collected: 7/26/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		5.7	mg/L		2	SW846-9056
Fluoride		0.37	mg/L		0.1	EPA-340.2
Nitrate	JU	5	mg/L		5	SW846-9056
Nitrate as Nitrogen	JU	1	mg/L		1	SW846-9056
Orthophosphate	JU	6	mg/L		6	SW846-9056
Sulfate		5	mg/L		5	SW846-9056
<b>METAL</b>						
Aluminum		118	mg/L		0.2	SW846-6010A
Barium		0.866	mg/L		0.05	SW846-6010A
Beryllium	B	0.008	mg/L		0.005	SW846-6010A
Cadmium	U	0.01	mg/L		0.01	SW846-6010A
Calcium		44.5	mg/L		0.5	SW846-6010A
Chromium		0.157	mg/L		0.05	SW846-6010A
Cobalt		0.06	mg/L		0.01	SW846-6010A
Copper		0.186	mg/L		0.05	SW846-6010A
Iron		111	mg/L		0.2	SW846-6010A
Magnesium		21.9	mg/L		0.05	SW846-6010A
Manganese		1.64	mg/L		0.05	SW846-6010A
Mercury	BUW	0.0002	mg/L		0.0002	SW846-7470
Nickel		0.1	mg/L		0.05	SW846-6010A
Potassium		11.2	mg/L		2	SW846-6010A
Selenium	U	0.005	mg/L		0.005	SW846-7740
Silver	U	0.05	mg/L		0.05	SW846-6010A
Sodium		23.6	mg/L		2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Vanadium		0.159	mg/L		0.1	SW846-6010A
Zinc		0.556	mg/L		0.2	SW846-6010A
<b>PHYSIC</b>						
Dissolved Solids		197	mg/L		100	EPA-160.2
pH		6.7	none			SW846-9040
Redox		179	mV			SM-2580-B
<b>RADS</b>						
Alpha activity		3.8	pCi/L	1.3	1.6	SW846-9310
Beta activity		3.8	pCi/L	1.5	2.3	SW846-9310
Radon	X	348	pCi/L	85.9	195	RL-7104
Technetium-99	U	3.2	pCi/L	8.1	14	DNT
<b>SVOA</b>						
1,2,4-Trichlorobenzene	U	0.02	mg/L		0.02	SW846-8270 M
1,2-Dichlorobenzene	U	0.02	mg/L		0.02	SW846-8270 M
1,3-Dichlorobenzene	U	0.02	mg/L		0.02	SW846-8270 M
1,4-Dichlorobenzene	U	0.02	mg/L		0.02	SW846-8270 M
2,4,5-Trichlorophenol	U	0.02	mg/L		0.02	SW846-8270 M
2,4,6-Trichlorophenol	U	0.02	mg/L		0.02	SW846-8270 M
2,4-Dichlorophenol	U	0.02	mg/L		0.02	SW846-8270 M
2,4-Dimethylphenol	U	0.02	mg/L		0.02	SW846-8270 M
2,4-Dinitrophenol	U	0.02	mg/L		0.02	SW846-8270 M
2,4-Dinitrotoluene	U	0.02	mg/L		0.02	SW846-8270 M
2,6-Dinitrotoluene	U	0.02	mg/L		0.02	SW846-8270 M
2-Chloronaphthalene	U	0.02	mg/L		0.02	SW846-8270 M

## 005-015

## ERI99-W3-5

## WAG 3 - SWMU 5

2-Chlorophenol	U	0.02	mg/L	0.02	SW846-8270 M
2-Methyl-4,6-dinitrophenol	U	0.02	mg/L	0.02	SW846-8270 M
2-Methylnaphthalene	U	0.02	mg/L	0.02	SW846-8270 M
2-Methylphenol	U	0.02	mg/L	0.02	SW846-8270 M
2-Nitrobenzenamine	U	0.02	mg/L	0.02	SW846-8270 M
2-Nitrophenol	U	0.02	mg/L	0.02	SW846-8270 M
3,3'-Dichlorobenzidine	U	0.02	mg/L	0.02	SW846-8270 M
3-Nitrobenzenamine	U	0.02	mg/L	0.02	SW846-8270 M
4-Bromophenyl phenyl ether	U	0.02	mg/L	0.02	SW846-8270 M
4-Chloro-3-methylphenol	U	0.02	mg/L	0.02	SW846-8270 M
4-Chlorobenzenamine	U	0.02	mg/L	0.02	SW846-8270 M
4-Chlorophenyl phenyl ether	U	0.02	mg/L	0.02	SW846-8270 M
4-Methylphenol	U	0.02	mg/L	0.02	SW846-8270 M
4-Nitrobenzenamine	U	0.02	mg/L	0.02	SW846-8270 M
4-Nitrophenol	U	0.02	mg/L	0.02	SW846-8270 M
Acenaphthene	U	0.02	mg/L	0.02	SW846-8270 M
Acenaphthylene	U	0.02	mg/L	0.02	SW846-8270 M
Anthracene	U	0.02	mg/L	0.02	SW846-8270 M
Benz(a)anthracene	U	0.02	mg/L	0.02	SW846-8270 M
Benzo(a)pyrene	U	0.02	mg/L	0.02	SW846-8270 M
Benzo(b)fluoranthene	U	0.02	mg/L	0.02	SW846-8270 M
Benzo(ghi)perylene	U	0.02	mg/L	0.02	SW846-8270 M
Benzo(k)fluoranthene	U	0.02	mg/L	0.02	SW846-8270 M
Bis(2-chloroethoxy)methane	U	0.02	mg/L	0.02	SW846-8270 M
Bis(2-chloroethyl) ether	U	0.02	mg/L	0.02	SW846-8270 M
Bis(2-chloroisopropyl) ether	U	0.02	mg/L	0.02	SW846-8270 M
Bis(2-ethylhexyl)phthalate	U	0.02	mg/L	0.02	SW846-8270 M
Butyl benzyl phthalate	U	0.02	mg/L	0.02	SW846-8270 M
Carbazole	U	0.02	mg/L	0.02	SW846-8270 M
Chrysene	U	0.02	mg/L	0.02	SW846-8270 M
Dibenz(a,h)anthracene	U	0.02	mg/L	0.02	SW846-8270 M
Dibenzofuran	U	0.02	mg/L	0.02	SW846-8270 M
Diethyl phthalate	J	0.019	mg/L	0.02	SW846-8270 M
Dimethyl phthalate	U	0.02	mg/L	0.02	SW846-8270 M
Di-n-butyl phthalate	U	0.02	mg/L	0.02	SW846-8270 M
Di-n-octylphthalate	U	0.02	mg/L	0.02	SW846-8270 M
Fluoranthene	U	0.02	mg/L	0.02	SW846-8270 M
Fluorene	U	0.02	mg/L	0.02	SW846-8270 M
Hexachlorobenzene	U	0.02	mg/L	0.02	SW846-8270 M
Hexachlorobutadiene	U	0.02	mg/L	0.02	SW846-8270 M
Hexachlorocyclopentadiene	U	0.02	mg/L	0.02	SW846-8270 M
Hexachloroethane	U	0.02	mg/L	0.02	SW846-8270 M
Indeno(1,2,3-cd)pyrene	U	0.02	mg/L	0.02	SW846-8270 M
Isophorone	U	0.02	mg/L	0.02	SW846-8270 M
Naphthalene	U	0.02	mg/L	0.02	SW846-8270 M
Nitrobenzene	U	0.02	mg/L	0.02	SW846-8270 M
N-Nitroso-di-n-propylamine	U	0.02	mg/L	0.02	SW846-8270 M
N-Nitrosodiphenylamine	U	0.02	mg/L	0.02	SW846-8270 M
Pentachlorophenol	U	0.02	mg/L	0.02	SW846-8270 M
Phenanthrene	U	0.02	mg/L	0.02	SW846-8270 M
Phenol	U	0.02	mg/L	0.02	SW846-8270 M
Pyrene		0.023	mg/L	0.02	SW846-8270 M
<b>VOA</b>					
1,1-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
cis-1,2-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M

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005-015

ERI99-W3-5

WAG 3 - SWMU 5

trans-1,2-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
Trichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
Vinyl chloride	U	0.001	mg/L	0.001	SW846-8021 M
<b>WETCHEM</b>					
Alkalinity		136	mg/L	10	EPA-310.1
Ammonia	JU	0.2	mg/L	0.2	EPA-350.2
Carbonate as CaCO3		128	mg/L	10	SM-2320 B 17
Chemical Oxygen Demand (COD)	U	25	mg/L	25	EPA-410.4 1978
Cyanide	UX	0.02	mg/L	0.02	SW846-9014
Phosphate as Phosphorous	JU	2	mg/L	2	SW846-9056
Silica	J	29	mg/L	1	EPA-370.1
Sulfide	UX	2	mg/L	2	EPA-376.1
Suspended Solids	*	700	mg/L	10	EPA-160.1
Total Organic Carbon (TOC)		1	mg/L	1	SW846-9060

005015WA060-45

Collected: 7/27/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium		0.125	mg/L		0.05	SW846-6010A
Beryllium	BU	0.005	mg/L		0.005	SW846-6010A
Calcium		29.6	mg/L		0.5	SW846-6010A
Chromium	BU	0.05	mg/L		0.05	SW846-6010A
Cobalt	U	0.01	mg/L		0.01	SW846-6010A
Copper	U	0.05	mg/L		0.05	SW846-6010A
Iron	U	0.2	mg/L		0.2	SW846-6010A
Magnesium		9.72	mg/L		0.05	SW846-6010A
Manganese		0.404	mg/L		0.05	SW846-6010A
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Potassium	U	2	mg/L		2	SW846-6010A
Sodium	N	24	mg/L		2	SW846-6010A
Vanadium	U	0.1	mg/L		0.1	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A
<b>WETCHEM</b>						
Cyanide	UX	0.02	mg/L		0.02	SW846-9014

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**005-015**

**ERI99-W3-5**

**WAG 3 - SWMU 5**

**005015WA060-5**

Collected: 7/27/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum		0.484	mg/L		0.2	SW846-6010A
Barium		0.131	mg/L		0.05	SW846-6010A
Beryllium	U	0.005	mg/L		0.005	SW846-6010A
Calcium		31.3	mg/L		0.5	SW846-6010A
Chromium	U	0.05	mg/L		0.05	SW846-6010A
Cobalt	U	0.01	mg/L		0.01	SW846-6010A
Copper	U	0.05	mg/L		0.05	SW846-6010A
Iron	U	0.2	mg/L		0.2	SW846-6010A
Magnesium		10.1	mg/L		0.05	SW846-6010A
Manganese		0.396	mg/L		0.05	SW846-6010A
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Potassium		2.11	mg/L		2	SW846-6010A
Sodium	N	24.5	mg/L		2	SW846-6010A
Vanadium	U	0.1	mg/L		0.1	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A
<b>WETCHEM</b>						
Cyanide	UX	0.02	mg/L		0.02	SW846-9014

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005-016

ERI99-W3-5

WAG 3 - SWMU 5

005016WA060

Collected: 8/6/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>RADS</b>						
Alpha activity		6.8	pCi/L	2.4	2.8	SW846-9310
Beta activity		3.9	pCi/L	1.4	2.2	SW846-9310
Radon	AX	171	pCi/L	91.6	195	RL-7104
Technetium-99		14	pCi/L	8.7	14	DNT
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.001	mg/L		0.001	SW846-8021 M
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dimethylbenzene	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	U	0.01	mg/L		0.01	SW846-8260
Benzene	UY	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	UY	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.001	mg/L		0.001	SW846-8021 M
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
m,p-Xylene	U	0.01	mg/L		0.01	SW846-8260
Methylene chloride	JU	0.01	mg/L		0.01	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	UY	0.005	mg/L		0.005	SW846-8260
trans-1,2-Dichloroethene	U	0.001	mg/L		0.001	SW846-8021 M
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene	U	0.001	mg/L		0.001	SW846-8021 M
Trichloroethene	UY	0.001	mg/L		0.001	SW846-8260
Vinyl chloride	U	0.001	mg/L		0.001	SW846-8021 M

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005-017  
ERI99-W3-5  
005017WA060

WAG 3 - SWMU 5

Collected: 8/5/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>RADS</b>						
Alpha activity		6.8	pCi/L	2.7	3.5	SW846-9310
Beta activity		7.1	pCi/L	3.1	5	SW846-9310
Technetium-99		31	pCi/L	9.4	14	DNT
<b>VOA</b>						
1,1-Dichloroethene	U	0.001	mg/L		0.001	SW846-8021 M
cis-1,2-Dichloroethene	U	0.001	mg/L		0.001	SW846-8021 M
trans-1,2-Dichloroethene	U	0.001	mg/L		0.001	SW846-8021 M
Trichloroethene	U	0.001	mg/L		0.001	SW846-8021 M
Vinyl chloride	U	0.001	mg/L		0.001	SW846-8021 M

# Paducah-OREIS Data Report

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**005-026**

**ERI99-W3-5**

**WAG 3 - SWMU 5**

**005026WA065**

Collected: 9/23/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum		106	mg/L		0.2	SW846-6010A
Barium		0.982	mg/L		0.05	SW846-6010A
Beryllium	B	0.006	mg/L		0.005	SW846-6010A
Cadmium	U	0.01	mg/L		0.01	SW846-6010A
Calcium		17.9	mg/L		0.5	SW846-6010A
Chromium		0.16	mg/L		0.05	SW846-6010A
Cobalt		0.071	mg/L		0.01	SW846-6010A
Copper	U	0.05	mg/L		0.05	SW846-6010A
Iron	N	109	mg/L		0.2	SW846-6010A
Magnesium		13.1	mg/L		0.05	SW846-6010A
Manganese		7.16	mg/L		0.05	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel		0.166	mg/L		0.05	SW846-6010A
Potassium		8.95	mg/L		2	SW846-6010A
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Silver	U	0.05	mg/L		0.05	SW846-6010A
Sodium		14.4	mg/L		2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Vanadium		0.108	mg/L		0.1	SW846-6010A
Zinc		0.466	mg/L		0.2	SW846-6010A
<b>RADS</b>						
Alpha activity	A	0.73	pCi/L	0.92	1.5	SW846-9310
Beta activity	A	1.6	pCi/L	1.3	2.2	SW846-9310
Radon	A	85.5	pCi/L	44.3	153	RL-7104
Technetium-99	A	4	pCi/L	8	13	DNT
<b>SVOA</b>						
1,2,4-Trichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,2-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,3-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,4-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
2,4,5-Trichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4,6-Trichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dimethylphenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dinitrophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dinitrotoluene	U	0.01	mg/L		0.01	SW846-8270 M
2,6-Dinitrotoluene	U	0.01	mg/L		0.01	SW846-8270 M
2-Chloronaphthalene	U	0.01	mg/L		0.01	SW846-8270 M
2-Chlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Methyl-4,6-dinitrophenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Methylnaphthalene	U	0.01	mg/L		0.01	SW846-8270 M
2-Methylphenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Nitrobenzenamine	U	0.01	mg/L		0.01	SW846-8270 M
2-Nitrophenol	U	0.01	mg/L		0.01	SW846-8270 M
3,3'-Dichlorobenzidine	U	0.01	mg/L		0.01	SW846-8270 M
3-Nitrobenzenamine	U	0.01	mg/L		0.01	SW846-8270 M
4-Bromophenyl phenyl ether	U	0.01	mg/L		0.01	SW846-8270 M
4-Chloro-3-methylphenol	U	0.01	mg/L		0.01	SW846-8270 M
4-Chlorobenzenamine	U	0.01	mg/L		0.01	SW846-8270 M



## 005-026

## ERI99-W3-5

## WAG 3 - SWMU 5

4-Chlorophenyl phenyl ether	U	0.01	mg/L	0.01	SW846-8270 M
4-Methylphenol	U	0.01	mg/L	0.01	SW846-8270 M
4-Nitrobenzenamine	U	0.01	mg/L	0.01	SW846-8270 M
4-Nitrophenol	U	0.01	mg/L	0.01	SW846-8270 M
Acenaphthene	U	0.01	mg/L	0.01	SW846-8270 M
Acenaphthylene	U	0.01	mg/L	0.01	SW846-8270 M
Anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Benz(a)anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(a)pyrene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(b)fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(ghi)perylene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(k)fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroethoxy)methane	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroethyl) ether	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroisopropyl) ether	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-ethylhexyl)phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Butyl benzyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Carbazole	U	0.01	mg/L	0.01	SW846-8270 M
Chrysene	U	0.01	mg/L	0.01	SW846-8270 M
Dibenz(a,h)anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Dibenzofuran	U	0.01	mg/L	0.01	SW846-8270 M
Diethyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Dimethyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Di-n-butyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Di-n-octylphthalate	U	0.01	mg/L	0.01	SW846-8270 M
Fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Fluorene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorobenzene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorobutadiene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorocyclopentadiene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachloroethane	U	0.01	mg/L	0.01	SW846-8270 M
Indeno(1,2,3-cd)pyrene	U	0.01	mg/L	0.01	SW846-8270 M
Isophorone	U	0.01	mg/L	0.01	SW846-8270 M
Naphthalene	U	0.01	mg/L	0.01	SW846-8270 M
Nitrobenzene	U	0.01	mg/L	0.01	SW846-8270 M
N-Nitroso-di-n-propylamine	U	0.01	mg/L	0.01	SW846-8270 M
N-Nitrosodiphenylamine	U	0.01	mg/L	0.01	SW846-8270 M
Pentachlorophenol	U	0.01	mg/L	0.01	SW846-8270 M
Phenanthrene	U	0.01	mg/L	0.01	SW846-8270 M
Phenol	U	0.01	mg/L	0.01	SW846-8270 M
Pyrene	U	0.01	mg/L	0.01	SW846-8270 M
<b>VOA</b>					
1,1-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
cis-1,2-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
trans-1,2-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
Trichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
Vinyl chloride	U	0.001	mg/L	0.001	SW846-8021 M
<b>WETCHEM</b>					
Cyanide	U	0.02	mg/L	0.02	SW846-9014

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005-026

ERI99-W3-5

WAG 3 - SWMU 5

005026WA065-45

Collected: 9/23/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium	U	0.05	mg/L		0.05	SW846-6010A
Beryllium	BU	0.005	mg/L		0.005	SW846-6010A
Calcium		8.1	mg/L		0.5	SW846-6010A
Chromium	U	0.05	mg/L		0.05	SW846-6010A
Cobalt	U	0.01	mg/L		0.01	SW846-6010A
Iron	U	0.2	mg/L		0.2	SW846-6010A
Magnesium		3.7	mg/L		0.05	SW846-6010A
Manganese	N	0.689	mg/L		0.05	SW846-6010A
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Potassium	U	2	mg/L		2	SW846-6010A
Sodium		14.1	mg/L		2	SW846-6010A
Vanadium	U	0.1	mg/L		0.1	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A

005026WA065-5

Collected: 9/23/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum		2.1	mg/L		0.2	SW846-6010A
Barium		0.053	mg/L		0.05	SW846-6010A
Beryllium	U	0.005	mg/L		0.005	SW846-6010A
Calcium	J	9	mg/L		0.5	SW846-6010A
Chromium	U	0.05	mg/L		0.05	SW846-6010A
Cobalt	U	0.01	mg/L		0.01	SW846-6010A
Iron		0.856	mg/L		0.2	SW846-6010A
Magnesium		4.06	mg/L		0.05	SW846-6010A
Manganese		0.609	mg/L		0.05	SW846-6010A
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Potassium	U	2	mg/L		2	SW846-6010A
Sodium		15.3	mg/L		2	SW846-6010A
Vanadium	U	0.1	mg/L		0.1	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A

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**005-026**

**ERI99-W3-5**

**WAG 3 - SWMU 5**

**005026WA070**

Collected: 9/23/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum		143	mg/L		0.2	SW846-6010A
Barium		1.27	mg/L		0.05	SW846-6010A
Beryllium		0.009	mg/L		0.005	SW846-6010A
Cadmium	U	0.01	mg/L		0.01	SW846-6010A
Calcium		18.7	mg/L		0.5	SW846-6010A
Chromium		0.143	mg/L		0.05	SW846-6010A
Cobalt		0.11	mg/L		0.01	SW846-6010A
Copper	U	0.05	mg/L		0.05	SW846-6010A
Iron	N	172	mg/L		0.2	SW846-6010A
Magnesium		13.3	mg/L		0.05	SW846-6010A
Manganese		14.5	mg/L		0.05	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel		0.21	mg/L		0.05	SW846-6010A
Potassium		9.71	mg/L		2	SW846-6010A
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Silver	U	0.05	mg/L		0.05	SW846-6010A
Sodium		13.5	mg/L		2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Vanadium		0.13	mg/L		0.1	SW846-6010A
Zinc		0.407	mg/L		0.2	SW846-6010A
<b>RADS</b>						
Alpha activity	A	0.5	pCi/L	1	1.8	SW846-9310
Beta activity	A	1.7	pCi/L	1.4	2.3	SW846-9310
Radon	A	69.6	pCi/L	43.3	153	RL-7104
Technetium-99	A	12.7	pCi/L	8.5	14	DNT
<b>SVOA</b>						
1,2,4-Trichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,2-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,3-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,4-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
2,4,5-Trichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4,6-Trichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dimethylphenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dinitrotoluene	U	0.01	mg/L		0.01	SW846-8270 M
2,6-Dinitrotoluene	U	0.01	mg/L		0.01	SW846-8270 M
2-Chloronaphthalene	U	0.01	mg/L		0.01	SW846-8270 M
2-Chlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Methyl-4,6-dinitrophenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Methylnaphthalene	U	0.01	mg/L		0.01	SW846-8270 M
2-Methylphenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Nitrobenzenamine	U	0.01	mg/L		0.01	SW846-8270 M
2-Nitrophenol	U	0.01	mg/L		0.01	SW846-8270 M
3,3'-Dichlorobenzidine	U	0.01	mg/L		0.01	SW846-8270 M
3-Nitrobenzenamine	U	0.01	mg/L		0.01	SW846-8270 M
4-Bromophenyl phenyl ether	U	0.01	mg/L		0.01	SW846-8270 M
4-Chloro-3-methylphenol	U	0.01	mg/L		0.01	SW846-8270 M
4-Chlorobenzenamine	U	0.01	mg/L		0.01	SW846-8270 M
4-Chlorophenyl phenyl ether	U	0.01	mg/L		0.01	SW846-8270 M

## 005-026

## ERI99-W3-5

## WAG 3 - SWMU 5

4-Methylphenol	U	0.01	mg/L	0.01	SW846-8270 M
4-Nitrobenzenamine	U	0.01	mg/L	0.01	SW846-8270 M
4-Nitrophenol	U	0.01	mg/L	0.01	SW846-8270 M
Acenaphthene	U	0.01	mg/L	0.01	SW846-8270 M
Acenaphthylene	U	0.01	mg/L	0.01	SW846-8270 M
Anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Benz(a)anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(a)pyrene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(b)fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(ghi)perylene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(k)fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroethoxy)methane	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroethyl) ether	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroisopropyl) ether	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-ethylhexyl)phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Carbazole	U	0.01	mg/L	0.01	SW846-8270 M
Chrysene	U	0.01	mg/L	0.01	SW846-8270 M
Dibenz(a,h)anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Dibenzofuran	U	0.01	mg/L	0.01	SW846-8270 M
Diethyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Dimethyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Di-n-butyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Di-n-octylphthalate	U	0.01	mg/L	0.01	SW846-8270 M
Fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Fluorene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorobenzene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorobutadiene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorocyclopentadiene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachloroethane	U	0.01	mg/L	0.01	SW846-8270 M
Indeno(1,2,3-cd)pyrene	U	0.01	mg/L	0.01	SW846-8270 M
Isophorone	U	0.01	mg/L	0.01	SW846-8270 M
Naphthalene	U	0.01	mg/L	0.01	SW846-8270 M
Nitrobenzene	U	0.01	mg/L	0.01	SW846-8270 M
N-Nitroso-di-n-propylamine	U	0.01	mg/L	0.01	SW846-8270 M
N-Nitrosodiphenylamine	U	0.01	mg/L	0.01	SW846-8270 M
Pentachlorophenol	U	0.01	mg/L	0.01	SW846-8270 M
Phenanthrene	U	0.01	mg/L	0.01	SW846-8270 M
Phenol	U	0.01	mg/L	0.01	SW846-8270 M
Pyrene	U	0.01	mg/L	0.01	SW846-8270 M
<b>VOA</b>					
1,1-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
cis-1,2-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
trans-1,2-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
Trichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
Vinyl chloride	U	0.001	mg/L	0.001	SW846-8021 M
<b>WETCHEM</b>					
Cyanide	U	0.02	mg/L	0.02	SW846-9014

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005-026

ERI99-W3-5

WAG 3 - SWMU 5

005026WA070-45

Collected: 9/23/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium		0.066	mg/L		0.05	SW846-6010A
Beryllium	BU	0.005	mg/L		0.005	SW846-6010A
Calcium		9.3	mg/L		0.5	SW846-6010A
Chromium	U	0.05	mg/L		0.05	SW846-6010A
Cobalt	U	0.01	mg/L		0.01	SW846-6010A
Iron	U	0.2	mg/L		0.2	SW846-6010A
Magnesium		4	mg/L		0.05	SW846-6010A
Manganese	N	1.27	mg/L		0.05	SW846-6010A
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Potassium	U	2	mg/L		2	SW846-6010A
Sodium		12.9	mg/L		2	SW846-6010A
Vanadium	U	0.1	mg/L		0.1	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A

005026WA070-5

Collected: 9/23/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum		1.56	mg/L		0.2	SW846-6010A
Barium		0.071	mg/L		0.05	SW846-6010A
Beryllium	U	0.005	mg/L		0.005	SW846-6010A
Calcium	J	9.94	mg/L		0.5	SW846-6010A
Chromium	U	0.05	mg/L		0.05	SW846-6010A
Cobalt	U	0.01	mg/L		0.01	SW846-6010A
Iron		0.678	mg/L		0.2	SW846-6010A
Magnesium		4.19	mg/L		0.05	SW846-6010A
Manganese		1.22	mg/L		0.05	SW846-6010A
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Potassium	U	2	mg/L		2	SW846-6010A
Sodium		13.1	mg/L		2	SW846-6010A
Vanadium	U	0.1	mg/L		0.1	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A

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005-026

ERI99-W3-5

WAG 3 - SWMU 5

005026WA075

Collected: 9/24/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum		8.48	mg/L		0.2	SW846-6010A
Barium		0.207	mg/L		0.05	SW846-6010A
Beryllium	BU	0.005	mg/L		0.005	SW846-6010A
Cadmium	U	0.01	mg/L		0.01	SW846-6010A
Calcium		11	mg/L		0.5	SW846-6010A
Chromium	U	0.05	mg/L		0.05	SW846-6010A
Cobalt		0.026	mg/L		0.01	SW846-6010A
Copper	U	0.05	mg/L		0.05	SW846-6010A
Iron	N	20.3	mg/L		0.2	SW846-6010A
Magnesium		4.79	mg/L		0.05	SW846-6010A
Manganese		3.53	mg/L		0.05	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Potassium	U	2	mg/L		2	SW846-6010A
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Silver	U	0.05	mg/L		0.05	SW846-6010A
Sodium		12.3	mg/L		2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Vanadium	U	0.1	mg/L		0.1	SW846-6010A
Zinc	BU	0.2	mg/L		0.2	SW846-6010A
<b>RADS</b>						
Alpha activity	A	-0.5	pCi/L	1.1	2.2	SW846-9310
Beta activity	A	1.4	pCi/L	1.4	2.3	SW846-9310
Radon	A	64.6	pCi/L	42.2	153	RL-7104
Technetium-99	A	9.1	pCi/L	8.4	14	DNT
<b>SVOA</b>						
1,2,4-Trichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,2-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,3-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,4-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
2,4,5-Trichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4,6-Trichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dimethylphenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dinitrophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dinitrotoluene	U	0.01	mg/L		0.01	SW846-8270 M
2,6-Dinitrotoluene	U	0.01	mg/L		0.01	SW846-8270 M
2-Chloronaphthalene	U	0.01	mg/L		0.01	SW846-8270 M
2-Chlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Methyl-4,6-dinitrophenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Methylnaphthalene	U	0.01	mg/L		0.01	SW846-8270 M
2-Methylphenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Nitrobenzenamine	U	0.01	mg/L		0.01	SW846-8270 M
2-Nitrophenol	U	0.01	mg/L		0.01	SW846-8270 M
3,3'-Dichlorobenzidine	U	0.01	mg/L		0.01	SW846-8270 M
3-Nitrobenzenamine	U	0.01	mg/L		0.01	SW846-8270 M
4-Bromophenyl phenyl ether	U	0.01	mg/L		0.01	SW846-8270 M
4-Chloro-3-methylphenol	U	0.01	mg/L		0.01	SW846-8270 M
4-Chlorobenzenamine	U	0.01	mg/L		0.01	SW846-8270 M

\*QUALIFIER Codes See attached List.

## 005-026

## ERI99-W3-5

## WAG 3 - SWMU 5

4-Chlorophenyl phenyl ether	U	0.01	mg/L	0.01	SW846-8270 M
4-Methylphenol	U	0.01	mg/L	0.01	SW846-8270 M
4-Nitrobenzenamine	U	0.01	mg/L	0.01	SW846-8270 M
4-Nitrophenol	U	0.01	mg/L	0.01	SW846-8270 M
Acenaphthene	U	0.01	mg/L	0.01	SW846-8270 M
Acenaphthylene	U	0.01	mg/L	0.01	SW846-8270 M
Anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Benz(a)anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(a)pyrene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(b)fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(ghi)perylene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(k)fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroethoxy)methane	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroethyl) ether	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroisopropyl) ether	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-ethylhexyl)phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Butyl benzyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Carbazole	U	0.01	mg/L	0.01	SW846-8270 M
Chrysene	U	0.01	mg/L	0.01	SW846-8270 M
Dibenz(a,h)anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Dibenzofuran	U	0.01	mg/L	0.01	SW846-8270 M
Diethyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Dimethyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Di-n-butyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Di-n-octylphthalate	U	0.01	mg/L	0.01	SW846-8270 M
Fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Fluorene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorobenzene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorobutadiene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorocyclopentadiene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachloroethane	U	0.01	mg/L	0.01	SW846-8270 M
Indeno(1,2,3-cd)pyrene	U	0.01	mg/L	0.01	SW846-8270 M
Isophorone	U	0.01	mg/L	0.01	SW846-8270 M
Naphthalene	U	0.01	mg/L	0.01	SW846-8270 M
Nitrobenzene	U	0.01	mg/L	0.01	SW846-8270 M
N-Nitroso-di-n-propylamine	U	0.01	mg/L	0.01	SW846-8270 M
N-Nitrosodiphenylamine	U	0.01	mg/L	0.01	SW846-8270 M
Pentachlorophenol	U	0.01	mg/L	0.01	SW846-8270 M
Phenanthrene	U	0.01	mg/L	0.01	SW846-8270 M
Phenol	U	0.01	mg/L	0.01	SW846-8270 M
Pyrene	U	0.01	mg/L	0.01	SW846-8270 M
<b>VOA</b>					
1,1-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
cis-1,2-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
trans-1,2-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
Trichloroethene	J	0.0001	mg/L	0.001	SW846-8021 M
Vinyl chloride	U	0.001	mg/L	0.001	SW846-8021 M
<b>WETCHEM</b>					
Cyanide	U	0.02	mg/L	0.02	SW846-9014

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005-026

ERI99-W3-5

WAG 3 - SWMU 5

005026WA075-45

Collected: 9/24/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium		0.096	mg/L		0.05	SW846-6010A
Calcium		9.61	mg/L		0.5	SW846-6010A
Cobalt		0.012	mg/L		0.01	SW846-6010A
Iron		0.715	mg/L		0.2	SW846-6010A
Magnesium		4.1	mg/L		0.05	SW846-6010A
Manganese	N	1.43	mg/L		0.05	SW846-6010A
Sodium		10.9	mg/L		2	SW846-6010A

005026WA075-5

Collected: 9/24/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium		0.103	mg/L		0.05	SW846-6010A
Calcium	J	11	mg/L		0.5	SW846-6010A
Cobalt		0.014	mg/L		0.01	SW846-6010A
Iron		0.868	mg/L		0.2	SW846-6010A
Magnesium		4.46	mg/L		0.05	SW846-6010A
Manganese		1.53	mg/L		0.05	SW846-6010A
Sodium		11.9	mg/L		2	SW846-6010A



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**005-026**

**ERI99-W3-5**

**WAG 3 - SWMU 5**

**005026WA080**

Collected: 9/24/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum		5.29	mg/L		0.2	SW846-6010A
Barium		0.508	mg/L		0.05	SW846-6010A
Beryllium	BU	0.005	mg/L		0.005	SW846-6010A
Cadmium	U	0.01	mg/L		0.01	SW846-6010A
Calcium		13	mg/L		0.5	SW846-6010A
Chromium	U	0.05	mg/L		0.05	SW846-6010A
Cobalt		0.017	mg/L		0.01	SW846-6010A
Copper	U	0.05	mg/L		0.05	SW846-6010A
Iron	N	41.4	mg/L		0.2	SW846-6010A
Magnesium		5.57	mg/L		0.05	SW846-6010A
Manganese		3.98	mg/L		0.05	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Potassium	U	2	mg/L		2	SW846-6010A
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Silver	U	0.05	mg/L		0.05	SW846-6010A
Sodium		12.3	mg/L		2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Vanadium	U	0.1	mg/L		0.1	SW846-6010A
Zinc	BU	0.2	mg/L		0.2	SW846-6010A
<b>RADS</b>						
Alpha activity		8.5	pCi/L	1.7	1.7	SW846-9310
Beta activity		18.5	pCi/L	2.2	2.6	SW846-9310
Radon	A	143	pCi/L	51.1	153	RL-7104
Technetium-99		14.9	pCi/L	8.6	14	DNT
<b>SVOA</b>						
1,2,4-Trichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,2-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,3-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,4-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
2,4,5-Trichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4,6-Trichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dimethylphenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dinitrotoluene	U	0.01	mg/L		0.01	SW846-8270 M
2,6-Dinitrotoluene	U	0.01	mg/L		0.01	SW846-8270 M
2-Chloronaphthalene	U	0.01	mg/L		0.01	SW846-8270 M
2-Chlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Methyl-4,6-dinitrophenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Methylnaphthalene	U	0.01	mg/L		0.01	SW846-8270 M
2-Methylphenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Nitrobenzenamine	U	0.01	mg/L		0.01	SW846-8270 M
2-Nitrophenol	U	0.01	mg/L		0.01	SW846-8270 M
3,3'-Dichlorobenzidine	U	0.01	mg/L		0.01	SW846-8270 M
3-Nitrobenzenamine	U	0.01	mg/L		0.01	SW846-8270 M
4-Bromophenyl phenyl ether	U	0.01	mg/L		0.01	SW846-8270 M
4-Chloro-3-methylphenol	U	0.01	mg/L		0.01	SW846-8270 M
4-Chlorobenzenamine	U	0.01	mg/L		0.01	SW846-8270 M
4-Chlorophenyl phenyl ether	U	0.01	mg/L		0.01	SW846-8270 M

## 005-026

## ERI99-W3-5

## WAG 3 - SWMU 5

4-Methylphenol	U	0.01	mg/L	0.01	SW846-8270 M
4-Nitrobenzenamine	U	0.01	mg/L	0.01	SW846-8270 M
4-Nitrophenol	U	0.01	mg/L	0.01	SW846-8270 M
Acenaphthene	U	0.01	mg/L	0.01	SW846-8270 M
Acenaphthylene	U	0.01	mg/L	0.01	SW846-8270 M
Anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Benz(a)anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(a)pyrene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(b)fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(ghi)perylene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(k)fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroethoxy)methane	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroethyl) ether	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroisopropyl) ether	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-ethylhexyl)phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Carbazole	U	0.01	mg/L	0.01	SW846-8270 M
Chrysene	U	0.01	mg/L	0.01	SW846-8270 M
Dibenz(a,h)anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Dibenzofuran	U	0.01	mg/L	0.01	SW846-8270 M
Diethyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Dimethyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Di-n-butyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Di-n-octylphthalate	U	0.01	mg/L	0.01	SW846-8270 M
Fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Fluorene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorobenzene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorobutadiene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorocyclopentadiene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachloroethane	U	0.01	mg/L	0.01	SW846-8270 M
Indeno(1,2,3-cd)pyrene	U	0.01	mg/L	0.01	SW846-8270 M
Isophorone	U	0.01	mg/L	0.01	SW846-8270 M
Naphthalene	U	0.01	mg/L	0.01	SW846-8270 M
Nitrobenzene	U	0.01	mg/L	0.01	SW846-8270 M
N-Nitroso-di-n-propylamine	U	0.01	mg/L	0.01	SW846-8270 M
N-Nitrosodiphenylamine	U	0.01	mg/L	0.01	SW846-8270 M
Pentachlorophenol	U	0.01	mg/L	0.01	SW846-8270 M
Phenanthrene	U	0.01	mg/L	0.01	SW846-8270 M
Phenol	U	0.01	mg/L	0.01	SW846-8270 M
Pyrene	U	0.01	mg/L	0.01	SW846-8270 M
<b>VOA</b>					
1,1-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
cis-1,2-Dichloroethene	J	0.0002	mg/L	0.001	SW846-8021 M
trans-1,2-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
Trichloroethene		0.008	mg/L	0.001	SW846-8021 M
Vinyl chloride	U	0.001	mg/L	0.001	SW846-8021 M
<b>WETCHEM</b>					
Cyanide	U	0.02	mg/L	0.02	SW846-9014

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005-026

ERI99-W3-5

WAG 3 - SWMU 5

005026WA080-45

Collected: 9/24/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium		0.122	mg/L		0.05	SW846-6010A
Calcium		12.2	mg/L		0.5	SW846-6010A
Cobalt	U	0.01	mg/L		0.01	SW846-6010A
Iron		0.387	mg/L		0.2	SW846-6010A
Magnesium		5.16	mg/L		0.05	SW846-6010A
Manganese	N	0.995	mg/L		0.05	SW846-6010A
Sodium		11.3	mg/L		2	SW846-6010A

005026WA080-5

Collected: 9/24/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium		0.103	mg/L		0.05	SW846-6010A
Calcium	J	13.3	mg/L		0.5	SW846-6010A
Cobalt	U	0.01	mg/L		0.01	SW846-6010A
Iron		0.511	mg/L		0.2	SW846-6010A
Magnesium		5.43	mg/L		0.05	SW846-6010A
Manganese		0.752	mg/L		0.05	SW846-6010A
Sodium		12.2	mg/L		2	SW846-6010A

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**005-026**

**ERI99-W3-5**

**WAG 3 - SWMU 5**

**005026WA085**

Collected: 9/24/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum		5.68	mg/L		0.2	SW846-6010A
Barium		1.93	mg/L		0.05	SW846-6010A
Beryllium	BU	0.005	mg/L		0.005	SW846-6010A
Cadmium	U	0.01	mg/L		0.01	SW846-6010A
Calcium		12.9	mg/L		0.5	SW846-6010A
Chromium	U	0.05	mg/L		0.05	SW846-6010A
Cobalt		0.064	mg/L		0.01	SW846-6010A
Copper	U	0.05	mg/L		0.05	SW846-6010A
Iron	N	130	mg/L		0.2	SW846-6010A
Magnesium		5.41	mg/L		0.05	SW846-6010A
Manganese		9.93	mg/L		0.05	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel		0.074	mg/L		0.05	SW846-6010A
Potassium	U	2	mg/L		2	SW846-6010A
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Silver	U	0.05	mg/L		0.05	SW846-6010A
Sodium		12	mg/L		2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Vanadium	U	0.1	mg/L		0.1	SW846-6010A
Zinc	BU	0.2	mg/L		0.2	SW846-6010A
<b>RADS</b>						
Alpha activity		3.8	pCi/L	1.2	1.4	SW846-9310
Beta activity		7.3	pCi/L	1.7	2.4	SW846-9310
Radon	X	217	pCi/L	79.9	168	RL-7104
Technetium-99		18.3	pCi/L	8.7	14	DNT
<b>SVOA</b>						
1,2,4-Trichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,2-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,3-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,4-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
2,4,5-Trichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4,6-Trichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dimethylphenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dinitrotoluene	U	0.01	mg/L		0.01	SW846-8270 M
2,6-Dinitrotoluene	U	0.01	mg/L		0.01	SW846-8270 M
2-Chloronaphthalene	U	0.01	mg/L		0.01	SW846-8270 M
2-Chlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Methyl-4,6-dinitrophenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Methylnaphthalene	U	0.01	mg/L		0.01	SW846-8270 M
2-Methylphenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Nitrobenzenamine	U	0.01	mg/L		0.01	SW846-8270 M
2-Nitrophenol	U	0.01	mg/L		0.01	SW846-8270 M
3,3'-Dichlorobenzidine	U	0.01	mg/L		0.01	SW846-8270 M
3-Nitrobenzenamine	U	0.01	mg/L		0.01	SW846-8270 M
4-Bromophenyl phenyl ether	U	0.01	mg/L		0.01	SW846-8270 M
4-Chloro-3-methylphenol	U	0.01	mg/L		0.01	SW846-8270 M
4-Chlorobenzenamine	U	0.01	mg/L		0.01	SW846-8270 M
4-Chlorophenyl phenyl ether	U	0.01	mg/L		0.01	SW846-8270 M

## 005-026

## ERI99-W3-5

## WAG 3 - SWMU 5

4-Methylphenol	U	0.01	mg/L	0.01	SW846-8270 M
4-Nitrobenzenamine	U	0.01	mg/L	0.01	SW846-8270 M
4-Nitrophenol	U	0.01	mg/L	0.01	SW846-8270 M
Acenaphthene	U	0.01	mg/L	0.01	SW846-8270 M
Acenaphthylene	U	0.01	mg/L	0.01	SW846-8270 M
Anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Benz(a)anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(a)pyrene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(b)fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(ghi)perylene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(k)fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroethoxy)methane	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroethyl) ether	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroisopropyl) ether	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-ethylhexyl)phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Carbazole	U	0.01	mg/L	0.01	SW846-8270 M
Chrysene	U	0.01	mg/L	0.01	SW846-8270 M
Dibenz(a,h)anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Dibenzofuran	U	0.01	mg/L	0.01	SW846-8270 M
Diethyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Dimethyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Di-n-butyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Di-n-octylphthalate	U	0.01	mg/L	0.01	SW846-8270 M
Fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Fluorene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorobenzene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorobutadiene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorocyclopentadiene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachloroethane	U	0.01	mg/L	0.01	SW846-8270 M
Indeno(1,2,3-cd)pyrene	U	0.01	mg/L	0.01	SW846-8270 M
Isophorone	U	0.01	mg/L	0.01	SW846-8270 M
Naphthalene	U	0.01	mg/L	0.01	SW846-8270 M
Nitrobenzene	U	0.01	mg/L	0.01	SW846-8270 M
N-Nitroso-di-n-propylamine	U	0.01	mg/L	0.01	SW846-8270 M
N-Nitrosodiphenylamine	U	0.01	mg/L	0.01	SW846-8270 M
Pentachlorophenol	U	0.01	mg/L	0.01	SW846-8270 M
Phenanthrene	U	0.01	mg/L	0.01	SW846-8270 M
Phenol	U	0.01	mg/L	0.01	SW846-8270 M
Pyrene	U	0.01	mg/L	0.01	SW846-8270 M
<b>VOA</b>					
1,1-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
cis-1,2-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
trans-1,2-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
Trichloroethene		0.003	mg/L	0.001	SW846-8021 M
Vinyl chloride	U	0.001	mg/L	0.001	SW846-8021 M
<b>WETCHEM</b>					
Cyanide	U	0.02	mg/L	0.02	SW846-9014

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005-026

ERI99-W3-5

WAG 3 - SWMU 5

005026WA085-45

Collected: 9/24/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium		0.144	mg/L		0.05	SW846-6010A
Calcium	J	12.4	mg/L		0.5	SW846-6010A
Cobalt	U	0.01	mg/L		0.01	SW846-6010A
Iron	U	0.2	mg/L		0.2	SW846-6010A
Magnesium		5.23	mg/L		0.05	SW846-6010A
Manganese	N	0.985	mg/L		0.05	SW846-6010A
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Sodium		11.4	mg/L		2	SW846-6010A

005026WA085-5

Collected: 9/24/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium		0.182	mg/L		0.05	SW846-6010A
Calcium	J	13.5	mg/L		0.5	SW846-6010A
Cobalt		0.011	mg/L		0.01	SW846-6010A
Iron	U	0.2	mg/L		0.2	SW846-6010A
Magnesium		5.54	mg/L		0.05	SW846-6010A
Manganese		1.09	mg/L		0.05	SW846-6010A
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Sodium		12.2	mg/L		2	SW846-6010A

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**005-026**

**ERI99-W3-5**

**WAG 3 - SWMU 5**

**005026WA090**

Collected: 9/24/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum		6.66	mg/L		0.2	SW846-6010A
Barium		1.49	mg/L		0.05	SW846-6010A
Beryllium	BU	0.005	mg/L		0.005	SW846-6010A
Cadmium	U	0.01	mg/L		0.01	SW846-6010A
Calcium		13.5	mg/L		0.5	SW846-6010A
Chromium	U	0.05	mg/L		0.05	SW846-6010A
Cobalt		0.034	mg/L		0.01	SW846-6010A
Copper	U	0.05	mg/L		0.05	SW846-6010A
Iron	N	215	mg/L		0.2	SW846-6010A
Magnesium		5.49	mg/L		0.05	SW846-6010A
Manganese		8.8	mg/L		0.05	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel		0.15	mg/L		0.05	SW846-6010A
Potassium	U	2	mg/L		2	SW846-6010A
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Silver	U	0.05	mg/L		0.05	SW846-6010A
Sodium		11.8	mg/L		2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Vanadium	U	0.1	mg/L		0.1	SW846-6010A
Zinc		0.257	mg/L		0.2	SW846-6010A
<b>RADS</b>						
Alpha activity		8.3	pCi/L	1.8	1.9	SW846-9310
Beta activity		16.5	pCi/L	2.2	2.7	SW846-9310
Radon	X	248	pCi/L	81.8	168	RL-7104
Technetium-99		22.4	pCi/L	8.9	14	DNT
<b>SVOA</b>						
1,2,4-Trichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,2-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,3-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,4-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
2,4,5-Trichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4,6-Trichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dimethylphenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dinitrotoluene	U	0.01	mg/L		0.01	SW846-8270 M
2,6-Dinitrotoluene	U	0.01	mg/L		0.01	SW846-8270 M
2-Chloronaphthalene	U	0.01	mg/L		0.01	SW846-8270 M
2-Chlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Methyl-4,6-dinitrophenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Methylnaphthalene	U	0.01	mg/L		0.01	SW846-8270 M
2-Methylphenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Nitrobenzenamine	U	0.01	mg/L		0.01	SW846-8270 M
2-Nitrophenol	U	0.01	mg/L		0.01	SW846-8270 M
3,3'-Dichlorobenzidine	U	0.01	mg/L		0.01	SW846-8270 M
3-Nitrobenzenamine	U	0.01	mg/L		0.01	SW846-8270 M
4-Bromophenyl phenyl ether	U	0.01	mg/L		0.01	SW846-8270 M
4-Chloro-3-methylphenol	U	0.01	mg/L		0.01	SW846-8270 M
4-Chlorobenzenamine	U	0.01	mg/L		0.01	SW846-8270 M
4-Chlorophenyl phenyl ether	U	0.01	mg/L		0.01	SW846-8270 M

## 005-026

## ERI99-W3-5

## WAG 3 - SWMU 5

4-Methylphenol	U	0.01	mg/L	0.01	SW846-8270 M
4-Nitrobenzenamine	U	0.01	mg/L	0.01	SW846-8270 M
4-Nitrophenol	U	0.01	mg/L	0.01	SW846-8270 M
Acenaphthene	U	0.01	mg/L	0.01	SW846-8270 M
Acenaphthylene	U	0.01	mg/L	0.01	SW846-8270 M
Anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Benz(a)anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(a)pyrene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(b)fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(ghi)perylene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(k)fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroethoxy)methane	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroethyl) ether	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroisopropyl) ether	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-ethylhexyl)phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Carbazole	U	0.01	mg/L	0.01	SW846-8270 M
Chrysene	U	0.01	mg/L	0.01	SW846-8270 M
Dibenz(a,h)anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Dibenzofuran	U	0.01	mg/L	0.01	SW846-8270 M
Diethyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Dimethyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Di-n-butyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Di-n-octylphthalate	U	0.01	mg/L	0.01	SW846-8270 M
Fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Fluorene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorobenzene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorobutadiene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorocyclopentadiene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachloroethane	U	0.01	mg/L	0.01	SW846-8270 M
Indeno(1,2,3-cd)pyrene	U	0.01	mg/L	0.01	SW846-8270 M
Isophorone	U	0.01	mg/L	0.01	SW846-8270 M
Naphthalene	U	0.01	mg/L	0.01	SW846-8270 M
Nitrobenzene	U	0.01	mg/L	0.01	SW846-8270 M
N-Nitroso-di-n-propylamine	U	0.01	mg/L	0.01	SW846-8270 M
N-Nitrosodiphenylamine	U	0.01	mg/L	0.01	SW846-8270 M
Pentachlorophenol	U	0.01	mg/L	0.01	SW846-8270 M
Phenanthrene	U	0.01	mg/L	0.01	SW846-8270 M
Phenol	U	0.01	mg/L	0.01	SW846-8270 M
Pyrene	U	0.01	mg/L	0.01	SW846-8270 M
<b>VOA</b>					
1,1-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
cis-1,2-Dichloroethene	J	0.0001	mg/L	0.001	SW846-8021 M
trans-1,2-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
Trichloroethene		0.005	mg/L	0.001	SW846-8021 M
Vinyl chloride	U	0.001	mg/L	0.001	SW846-8021 M
<b>WETCHEM</b>					
Cyanide	U	0.02	mg/L	0.02	SW846-9014



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005-026

ERI99-W3-5

WAG 3 - SWMU 5

005026WA090-45

Collected: 9/24/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium		0.188	mg/L		0.05	SW846-6010A
Calcium	J	13.2	mg/L		0.5	SW846-6010A
Cobalt	U	0.01	mg/L		0.01	SW846-6010A
Iron		0.235	mg/L		0.2	SW846-6010A
Magnesium		5.4	mg/L		0.05	SW846-6010A
Manganese	N	1.61	mg/L		0.05	SW846-6010A
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Sodium		11.7	mg/L		2	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A

005026WA090-5

Collected: 9/24/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium		0.214	mg/L		0.05	SW846-6010A
Calcium	J	13.8	mg/L		0.5	SW846-6010A
Cobalt	U	0.01	mg/L		0.01	SW846-6010A
Iron	U	0.2	mg/L		0.2	SW846-6010A
Magnesium		5.53	mg/L		0.05	SW846-6010A
Manganese		1.91	mg/L		0.05	SW846-6010A
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Sodium		11.8	mg/L		2	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A

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005-026

ERI99-W3-5

WAG 3 - SWMU 5

005026WA095

Collected: 9/24/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		5.8	mg/L		2	SW846-9056
Fluoride		0.27	mg/L		0.1	EPA-340.2
Nitrate	U	4	mg/L		4	SW846-9056
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Orthophosphate	U	6	mg/L		6	SW846-9056
Sulfate		7.8	mg/L		5	SW846-9056
<b>METAL</b>						
Aluminum		151	mg/L		0.2	SW846-6010A
Barium		9.18	mg/L		0.05	SW846-6010A
Beryllium		0.032	mg/L		0.005	SW846-6010A
Cadmium		0.044	mg/L		0.01	SW846-6010A
Calcium		34.9	mg/L		0.5	SW846-6010A
Chromium	BN	0.81	mg/L		0.5	SW846-6010A
Cobalt		0.248	mg/L		0.01	SW846-6010A
Copper	BU	0.5	mg/L		0.5	SW846-6010A
Iron	*N	2160	mg/L		2	SW846-6010A
Lead		0.655	mg/L		0.2	SW846-6010A
Magnesium		23.3	mg/L		0.05	SW846-6010A
Manganese		51.3	mg/L		0.05	SW846-6010A
Mercury		0.0002	mg/L		0.0002	SW846-7470
Nickel	*NU	0.5	mg/L		0.5	SW846-6010A
Potassium		20.4	mg/L		2	SW846-6010A
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Silver	BU	0.5	mg/L		0.5	SW846-6010A
Sodium		9.79	mg/L		2	SW846-6010A
Thallium	*NU	2	mg/L		2	SW846-6010A
Vanadium		1.21	mg/L		0.1	SW846-6010A
Zinc	*NU	2	mg/L		2	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		103	mg/L		100	EPA-160.2
pH		6.5	none			SW846-9040
Redox	X	0	mV			SM-2580-B
<b>RADS</b>						
Alpha activity		2.2	pCi/L	1.2	1.7	SW846-9310
Beta activity		3.7	pCi/L	1.5	2.4	SW846-9310
Radium-226		483	pCi/L	966	341	RL-7124
Radon	AX	-1.13	pCi/L	1.36	168	RL-7104
Technetium-99	A	7.3	pCi/L	8.3	14	DNT
<b>SVOA</b>						
1,2,4-Trichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,2-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,3-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,4-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
2,4,5-Trichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4,6-Trichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dimethylphenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dinitrotoluene	U	0.01	mg/L		0.01	SW846-8270 M
2,6-Dinitrotoluene	U	0.01	mg/L		0.01	SW846-8270 M

## 005-026

## ERI99-W3-5

## WAG 3 - SWMU 5

2-Chloronaphthalene	U	0.01	mg/L	0.01	SW846-8270 M
2-Chlorophenol	U	0.01	mg/L	0.01	SW846-8270 M
2-Methyl-4,6-dinitrophenol	U	0.01	mg/L	0.01	SW846-8270 M
2-Methylnaphthalene	U	0.01	mg/L	0.01	SW846-8270 M
2-Methylphenol	U	0.01	mg/L	0.01	SW846-8270 M
2-Nitrobenzenamine	U	0.01	mg/L	0.01	SW846-8270 M
2-Nitrophenol	U	0.01	mg/L	0.01	SW846-8270 M
3,3'-Dichlorobenzidine	U	0.01	mg/L	0.01	SW846-8270 M
3-Nitrobenzenamine	U	0.01	mg/L	0.01	SW846-8270 M
4-Bromophenyl phenyl ether	U	0.01	mg/L	0.01	SW846-8270 M
4-Chloro-3-methylphenol	U	0.01	mg/L	0.01	SW846-8270 M
4-Chlorobenzenamine	U	0.01	mg/L	0.01	SW846-8270 M
4-Chlorophenyl phenyl ether	U	0.01	mg/L	0.01	SW846-8270 M
4-Methylphenol	U	0.01	mg/L	0.01	SW846-8270 M
4-Nitrobenzenamine	U	0.01	mg/L	0.01	SW846-8270 M
4-Nitrophenol	U	0.01	mg/L	0.01	SW846-8270 M
Acenaphthene	U	0.01	mg/L	0.01	SW846-8270 M
Acenaphthylene	U	0.01	mg/L	0.01	SW846-8270 M
Anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Benz(a)anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(a)pyrene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(b)fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(ghi)perylene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(k)fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroethoxy)methane	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroethyl) ether	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroisopropyl) ether	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-ethylhexyl)phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Carbazole	U	0.01	mg/L	0.01	SW846-8270 M
Chrysene	U	0.01	mg/L	0.01	SW846-8270 M
Dibenz(a,h)anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Dibenzofuran	U	0.01	mg/L	0.01	SW846-8270 M
Diethyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Dimethyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Di-n-butyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Di-n-octylphthalate	U	0.01	mg/L	0.01	SW846-8270 M
Fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Fluorene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorobenzene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorobutadiene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorocyclopentadiene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachloroethane	U	0.01	mg/L	0.01	SW846-8270 M
Indeno(1,2,3-cd)pyrene	U	0.01	mg/L	0.01	SW846-8270 M
Isophorone	U	0.01	mg/L	0.01	SW846-8270 M
Naphthalene	U	0.01	mg/L	0.01	SW846-8270 M
Nitrobenzene	U	0.01	mg/L	0.01	SW846-8270 M
N-Nitroso-di-n-propylamine	U	0.01	mg/L	0.01	SW846-8270 M
N-Nitrosodiphenylamine	U	0.01	mg/L	0.01	SW846-8270 M
Pentachlorophenol	U	0.01	mg/L	0.01	SW846-8270 M
Phenanthrene	U	0.01	mg/L	0.01	SW846-8270 M
Phenol	U	0.01	mg/L	0.01	SW846-8270 M
Pyrene	U	0.01	mg/L	0.01	SW846-8270 M
<b>VOA</b>					
1,1-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
cis-1,2-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M

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ERI99-W3-5

WAG 3 - SWMU 5

trans-1,2-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
Trichloroethene	J	0.0003	mg/L	0.001	SW846-8021 M
Vinyl chloride	U	0.001	mg/L	0.001	SW846-8021 M
<b>WETCHEM</b>					
Alkalinity		78	mg/L	10	EPA-310.1
Ammonia	U	0.2	mg/L	0.2	EPA-350.2
Bicarbonate as CaCO3		66	mg/L	10	SM-2320 B 17
Carbonate as CaCO3	U	10	mg/L	10	SM-2320 B 17
Chemical Oxygen Demand (COD)	JUX	25	mg/L	25	EPA-410.4 1978
Cyanide	U	0.02	mg/L	0.02	SW846-9014
Phosphate as Phosphorous	U	2	mg/L	2	SW846-9056
Silica	J	16	mg/L	1	EPA-370.1
Sulfide	U	2	mg/L	2	EPA-376.1
Suspended Solids		16470	mg/L	10	EPA-160.1
Total Organic Carbon (TOC)	X	2.8	mg/L	1	SW846-9060
Turbidity		57400	NTU	0.5	EPA-180.1 1978

005026WA095-45

Collected: 9/24/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium		0.249	mg/L		0.05	SW846-6010A
Beryllium	BU	0.005	mg/L		0.005	SW846-6010A
Cadmium	U	0.01	mg/L		0.01	SW846-6010A
Calcium	J	13.7	mg/L		0.5	SW846-6010A
Chromium	U	0.05	mg/L		0.05	SW846-6010A
Cobalt		0.011	mg/L		0.01	SW846-6010A
Iron		0.385	mg/L		0.2	SW846-6010A
Magnesium		5.87	mg/L		0.05	SW846-6010A
Manganese	N	2.54	mg/L		0.05	SW846-6010A
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470
Potassium		2.23	mg/L		2	SW846-6010A
Sodium		10.8	mg/L		2	SW846-6010A
Vanadium	U	0.1	mg/L		0.1	SW846-6010A

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**ERI99-W3-5**

**WAG 3 - SWMU 5**

**005026WA095-5**

Collected: 9/24/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium		0.253	mg/L		0.05	SW846-6010A
Beryllium	U	0.005	mg/L		0.005	SW846-6010A
Cadmium	U	0.01	mg/L		0.01	SW846-6010A
Calcium	J	14.5	mg/L		0.5	SW846-6010A
Chromium	U	0.05	mg/L		0.05	SW846-6010A
Cobalt		0.011	mg/L		0.01	SW846-6010A
Iron	U	0.2	mg/L		0.2	SW846-6010A
Magnesium		6.11	mg/L		0.05	SW846-6010A
Manganese		2.62	mg/L		0.05	SW846-6010A
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470
Potassium		2.29	mg/L		2	SW846-6010A
Sodium		10.8	mg/L		2	SW846-6010A
Vanadium	U	0.1	mg/L		0.1	SW846-6010A

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**ERI99-W3-5**

**WAG 3 - SWMU 5**

**005026WA100**

Collected: 9/24/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum		93.4	mg/L		0.2	SW846-6010A
Barium		0.398	mg/L		0.05	SW846-6010A
Beryllium		0.009	mg/L		0.005	SW846-6010A
Cadmium	U	0.01	mg/L		0.01	SW846-6010A
Calcium		44.9	mg/L		0.5	SW846-6010A
Chromium		0.205	mg/L		0.05	SW846-6010A
Cobalt		0.038	mg/L		0.01	SW846-6010A
Copper	U	0.05	mg/L		0.05	SW846-6010A
Iron	*N	312	mg/L		2	SW846-6010A
Magnesium		28.2	mg/L		0.05	SW846-6010A
Manganese		1.81	mg/L		0.05	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel		0.12	mg/L		0.05	SW846-6010A
Potassium		22.8	mg/L		2	SW846-6010A
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Silver	U	0.05	mg/L		0.05	SW846-6010A
Sodium		10.6	mg/L		2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Vanadium		0.473	mg/L		0.1	SW846-6010A
Zinc		0.403	mg/L		0.2	SW846-6010A
<b>RADS</b>						
Alpha activity	A	1.6	pCi/L	1.3	2	SW846-9310
Beta activity		5.2	pCi/L	1.6	2.4	SW846-9310
Radon	AX	161	pCi/L	74.4	168	RL-7104
Technetium-99	A	7.9	pCi/L	8.3	14	DNT
<b>SVOA</b>						
1,2,4-Trichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,2-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,3-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,4-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
2,4,5-Trichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4,6-Trichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dimethylphenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dinitrophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dinitrotoluene	U	0.01	mg/L		0.01	SW846-8270 M
2,6-Dinitrotoluene	U	0.01	mg/L		0.01	SW846-8270 M
2-Chloronaphthalene	U	0.01	mg/L		0.01	SW846-8270 M
2-Chlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Methyl-4,6-dinitrophenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Methylnaphthalene	U	0.01	mg/L		0.01	SW846-8270 M
2-Methylphenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Nitrobenzenamine	U	0.01	mg/L		0.01	SW846-8270 M
2-Nitrophenol	U	0.01	mg/L		0.01	SW846-8270 M
3,3'-Dichlorobenzidine	U	0.01	mg/L		0.01	SW846-8270 M
3-Nitrobenzenamine	U	0.01	mg/L		0.01	SW846-8270 M
4-Bromophenyl phenyl ether	U	0.01	mg/L		0.01	SW846-8270 M
4-Chloro-3-methylphenol	U	0.01	mg/L		0.01	SW846-8270 M
4-Chlorobenzenamine	U	0.01	mg/L		0.01	SW846-8270 M

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## ERI99-W3-5

## WAG 3 - SWMU 5

4-Chlorophenyl phenyl ether	U	0.01	mg/L	0.01	SW846-8270 M
4-Methylphenol	U	0.01	mg/L	0.01	SW846-8270 M
4-Nitrobenzenamine	U	0.01	mg/L	0.01	SW846-8270 M
4-Nitrophenol	U	0.01	mg/L	0.01	SW846-8270 M
Acenaphthene	U	0.01	mg/L	0.01	SW846-8270 M
Acenaphthylene	U	0.01	mg/L	0.01	SW846-8270 M
Anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Benz(a)anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(a)pyrene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(b)fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(ghi)perylene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(k)fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroethoxy)methane	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroethyl) ether	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroisopropyl) ether	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-ethylhexyl)phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Butyl benzyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Carbazole	U	0.01	mg/L	0.01	SW846-8270 M
Chrysene	U	0.01	mg/L	0.01	SW846-8270 M
Dibenz(a,h)anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Dibenzofuran	U	0.01	mg/L	0.01	SW846-8270 M
Diethyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Dimethyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Di-n-butyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Di-n-octylphthalate	U	0.01	mg/L	0.01	SW846-8270 M
Fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Fluorene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorobenzene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorobutadiene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorocyclopentadiene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachloroethane	U	0.01	mg/L	0.01	SW846-8270 M
Indeno(1,2,3-cd)pyrene	U	0.01	mg/L	0.01	SW846-8270 M
Isophorone	U	0.01	mg/L	0.01	SW846-8270 M
Naphthalene	U	0.01	mg/L	0.01	SW846-8270 M
Nitrobenzene	U	0.01	mg/L	0.01	SW846-8270 M
N-Nitroso-di-n-propylamine	U	0.01	mg/L	0.01	SW846-8270 M
N-Nitrosodiphenylamine	U	0.01	mg/L	0.01	SW846-8270 M
Pentachlorophenol	U	0.01	mg/L	0.01	SW846-8270 M
Phenanthrene	U	0.01	mg/L	0.01	SW846-8270 M
Phenol	U	0.01	mg/L	0.01	SW846-8270 M
Pyrene	U	0.01	mg/L	0.01	SW846-8270 M
<b>VOA</b>					
1,1-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
cis-1,2-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
trans-1,2-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
Trichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
Vinyl chloride	U	0.001	mg/L	0.001	SW846-8021 M
<b>WETCHEM</b>					
Cyanide	U	0.02	mg/L	0.02	SW846-9014

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ERI99-W3-5

WAG 3 - SWMU 5

005026WA100-45

Collected: 9/24/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium	U	0.05	mg/L		0.05	SW846-6010A
Beryllium	BU	0.005	mg/L		0.005	SW846-6010A
Calcium	J	13.3	mg/L		0.5	SW846-6010A
Chromium	U	0.05	mg/L		0.05	SW846-6010A
Cobalt	U	0.01	mg/L		0.01	SW846-6010A
Iron		0.201	mg/L		0.2	SW846-6010A
Magnesium		5.85	mg/L		0.05	SW846-6010A
Manganese	N	0.232	mg/L		0.05	SW846-6010A
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Potassium		2.16	mg/L		2	SW846-6010A
Sodium		10.4	mg/L		2	SW846-6010A
Vanadium	U	0.1	mg/L		0.1	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A

005026WA100-5

Collected: 9/24/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum		0.443	mg/L		0.2	SW846-6010A
Barium	U	0.05	mg/L		0.05	SW846-6010A
Beryllium	U	0.005	mg/L		0.005	SW846-6010A
Calcium	J	13.2	mg/L		0.5	SW846-6010A
Chromium	U	0.05	mg/L		0.05	SW846-6010A
Cobalt	U	0.01	mg/L		0.01	SW846-6010A
Iron		0.522	mg/L		0.2	SW846-6010A
Magnesium		5.91	mg/L		0.05	SW846-6010A
Manganese		0.227	mg/L		0.05	SW846-6010A
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Potassium		2.17	mg/L		2	SW846-6010A
Sodium		9.91	mg/L		2	SW846-6010A
Vanadium	U	0.1	mg/L		0.1	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A



# Paducah-OREIS Data Report

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**005-026**

**ERI99-W3-5**

**WAG 3 - SWMU 5**

**005026WA110**

Collected: 9/24/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum		269	mg/L		0.2	SW846-6010A
Barium		1.86	mg/L		0.05	SW846-6010A
Beryllium		0.025	mg/L		0.005	SW846-6010A
Cadmium		0.017	mg/L		0.01	SW846-6010A
Calcium		133	mg/L		0.5	SW846-6010A
Chromium	BN	1.09	mg/L		0.5	SW846-6010A
Cobalt		0.224	mg/L		0.01	SW846-6010A
Copper	BU	0.5	mg/L		0.5	SW846-6010A
Iron	*N	1490	mg/L		2	SW846-6010A
Lead		0.708	mg/L		0.2	SW846-6010A
Magnesium		66.8	mg/L		0.05	SW846-6010A
Manganese		9.28	mg/L		0.05	SW846-6010A
Mercury		0.0006	mg/L		0.0002	SW846-7470
Nickel	*NU	0.5	mg/L		0.5	SW846-6010A
Potassium		39.2	mg/L		2	SW846-6010A
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Silver	BU	0.5	mg/L		0.5	SW846-6010A
Sodium		11.8	mg/L		2	SW846-6010A
Thallium	*NU	2	mg/L		2	SW846-6010A
Vanadium		1.63	mg/L		0.1	SW846-6010A
Zinc	*BNU	2	mg/L		2	SW846-6010A
<b>RADS</b>						
Alpha activity		16.6	pCi/L	3.2	2.9	SW846-9310
Alpha activity		49.72	pCi/L	7.91	6.64	EPA-900.0
Americium-241	AX	-2.41	pCi/L	4.82	96.8	RL-7124
Beta activity		13.6	pCi/L	2.5	3.3	SW846-9310
Beta activity		73.07	pCi/L	6.93	7.53	EPA-900.0
Neptunium-237	A	21.2	pCi/L	42.4	64.9	RL-7124
Plutonium-239/240	A	-0.0879	pCi/L	0.212	1.12	RL-7120
Radium-226		390	pCi/L	781	357	RL-7124
Radon	AX	50	pCi/L	218	168	RL-7104
Technetium-99		15.8	pCi/L	9.2	15	DNT
Technetium-99	AB	-8.51	pCi/L	0	18.9	RL-7100
Thorium-234	A	362	pCi/L	724	614	RL-7124
Uranium-235		0.429	wt %			AS7300
<b>SVOA</b>						
1,2,4-Trichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,2,4-Trichlorobenzene	JU	0.005	mg/L		0.005	SW846-8270
1,2-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,2-Dichlorobenzene	JU	0.005	mg/L		0.005	SW846-8270
1,3-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,3-Dichlorobenzene	JU	0.005	mg/L		0.005	SW846-8270
1,4-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,4-Dichlorobenzene	JU	0.005	mg/L		0.005	SW846-8270
2,4,5-Trichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4,5-Trichlorophenol	JU	0.005	mg/L		0.005	SW846-8270
2,4,6-Trichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4,6-Trichlorophenol	JU	0.005	mg/L		0.005	SW846-8270
2,4-Dichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M

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## ERI99-W3-5

## WAG 3 - SWMU 5

2,4-Dichlorophenol	JU	0.005	mg/L	0.005	SW846-8270
2,4-Dimethylphenol	U	0.01	mg/L	0.01	SW846-8270 M
2,4-Dimethylphenol	JU	0.005	mg/L	0.005	SW846-8270
2,4-Dinitrophenol	U	0.01	mg/L	0.01	SW846-8270 M
2,4-Dinitrophenol	JU	0.005	mg/L	0.005	SW846-8270
2,4-Dinitrotoluene	U	0.01	mg/L	0.01	SW846-8270 M
2,4-Dinitrotoluene	JU	0.005	mg/L	0.005	SW846-8270
2,6-Dinitrotoluene	U	0.01	mg/L	0.01	SW846-8270 M
2,6-Dinitrotoluene	JU	0.005	mg/L	0.005	SW846-8270
2-Chloronaphthalene	U	0.01	mg/L	0.01	SW846-8270 M
2-Chloronaphthalene	JU	0.005	mg/L	0.005	SW846-8270
2-Chlorophenol	U	0.01	mg/L	0.01	SW846-8270 M
2-Chlorophenol	JU	0.005	mg/L	0.005	SW846-8270
2-Methyl-4,6-dinitrophenol	U	0.01	mg/L	0.01	SW846-8270 M
2-Methyl-4,6-dinitrophenol	JU	0.005	mg/L	0.005	SW846-8270
2-Methylnaphthalene	U	0.01	mg/L	0.01	SW846-8270 M
2-Methylnaphthalene	JU	0.005	mg/L	0.005	SW846-8270
2-Methylphenol	JU	0.005	mg/L	0.005	SW846-8270
2-Methylphenol	U	0.01	mg/L	0.01	SW846-8270 M
2-Nitrobenzenamine	U	0.01	mg/L	0.01	SW846-8270 M
2-Nitrobenzenamine	JU	0.005	mg/L	0.005	SW846-8270
2-Nitrophenol	U	0.01	mg/L	0.01	SW846-8270 M
2-Nitrophenol	JU	0.005	mg/L	0.005	SW846-8270
3,3'-Dichlorobenzidine	U	0.01	mg/L	0.01	SW846-8270 M
3,3'-Dichlorobenzidine	JU	0.005	mg/L	0.005	SW846-8270
3-Nitrobenzenamine	U	0.01	mg/L	0.01	SW846-8270 M
3-Nitrobenzenamine	JU	0.005	mg/L	0.005	SW846-8270
4-Bromophenyl phenyl ether	U	0.01	mg/L	0.01	SW846-8270 M
4-Bromophenyl phenyl ether	JU	0.005	mg/L	0.005	SW846-8270
4-Chloro-3-methylphenol	U	0.01	mg/L	0.01	SW846-8270 M
4-Chloro-3-methylphenol	JU	0.005	mg/L	0.005	SW846-8270
4-Chlorobenzenamine	U	0.01	mg/L	0.01	SW846-8270 M
4-Chlorobenzenamine	JU	0.005	mg/L	0.005	SW846-8270
4-Chlorophenyl phenyl ether	U	0.01	mg/L	0.01	SW846-8270 M
4-Chlorophenyl phenyl ether	JU	0.005	mg/L	0.005	SW846-8270
4-Methylphenol	JU	0.005	mg/L	0.005	SW846-8270
4-Methylphenol	U	0.01	mg/L	0.01	SW846-8270 M
4-Nitrobenzenamine	U	0.01	mg/L	0.01	SW846-8270 M
4-Nitrobenzenamine	JU	0.005	mg/L	0.005	SW846-8270
4-Nitrophenol	U	0.01	mg/L	0.01	SW846-8270 M
4-Nitrophenol	JU	0.005	mg/L	0.005	SW846-8270
Acenaphthene	U	0.01	mg/L	0.01	SW846-8270 M
Acenaphthene	JU	0.005	mg/L	0.005	SW846-8270
Acenaphthylene	U	0.01	mg/L	0.01	SW846-8270 M
Acenaphthylene	JU	0.005	mg/L	0.005	SW846-8270
Anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Anthracene	JU	0.005	mg/L	0.005	SW846-8270
Benz(a)anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Benz(a)anthracene	JU	0.005	mg/L	0.005	SW846-8270
Benzo(a)pyrene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(a)pyrene	JU	0.005	mg/L	0.005	SW846-8270
Benzo(b)fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(b)fluoranthene	JU	0.005	mg/L	0.005	SW846-8270
Benzo(ghi)perylene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(ghi)perylene	JU	0.005	mg/L	0.005	SW846-8270

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## ERI99-W3-5

## WAG 3 - SWMU 5

Benzo(k)fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(k)fluoranthene	JU	0.005	mg/L	0.005	SW846-8270
Bis(2-chloroethoxy)methane	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroethoxy)methane	JU	0.005	mg/L	0.005	SW846-8270
Bis(2-chloroethyl) ether	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroethyl) ether	JU	0.005	mg/L	0.005	SW846-8270
Bis(2-chloroisopropyl) ether	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroisopropyl) ether	JU	0.005	mg/L	0.005	SW846-8270
Bis(2-ethylhexyl)phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-ethylhexyl)phthalate	JU	0.005	mg/L	0.005	SW846-8270
Butyl benzyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Butyl benzyl phthalate	JU	0.005	mg/L	0.005	SW846-8270
Carbazole	U	0.01	mg/L	0.01	SW846-8270 M
Carbazole	JU	0.005	mg/L	0.005	SW846-8270
Chrysene	U	0.01	mg/L	0.01	SW846-8270 M
Chrysene	JU	0.005	mg/L	0.005	SW846-8270
Dibenz(a,h)anthracene	JU	0.005	mg/L	0.005	SW846-8270
Dibenz(a,h)anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Dibenzofuran	JU	0.005	mg/L	0.005	SW846-8270
Dibenzofuran	U	0.01	mg/L	0.01	SW846-8270 M
Diethyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Diethyl phthalate	JU	0.005	mg/L	0.005	SW846-8270
Dimethyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Dimethyl phthalate	JU	0.005	mg/L	0.005	SW846-8270
Di-n-butyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Di-n-butyl phthalate	JU	0.005	mg/L	0.005	SW846-8270
Di-n-octylphthalate	U	0.01	mg/L	0.01	SW846-8270 M
Di-n-octylphthalate	JU	0.005	mg/L	0.005	SW846-8270
Fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Fluoranthene	JU	0.005	mg/L	0.005	SW846-8270
Fluorene	U	0.01	mg/L	0.01	SW846-8270 M
Fluorene	JU	0.005	mg/L	0.005	SW846-8270
Hexachlorobenzene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorobenzene	JU	0.005	mg/L	0.005	SW846-8270
Hexachlorobutadiene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorobutadiene	JU	0.005	mg/L	0.005	SW846-8270
Hexachlorocyclopentadiene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorocyclopentadiene	JU	0.005	mg/L	0.005	SW846-8270
Hexachloroethane	U	0.01	mg/L	0.01	SW846-8270 M
Hexachloroethane	JU	0.005	mg/L	0.005	SW846-8270
Indeno(1,2,3-cd)pyrene	U	0.01	mg/L	0.01	SW846-8270 M
Indeno(1,2,3-cd)pyrene	JU	0.005	mg/L	0.005	SW846-8270
Isophorone	JU	0.005	mg/L	0.005	SW846-8270
Isophorone	U	0.01	mg/L	0.01	SW846-8270 M
Naphthalene	JU	0.005	mg/L	0.005	SW846-8270
Naphthalene	U	0.01	mg/L	0.01	SW846-8270 M
Nitrobenzene	U	0.01	mg/L	0.01	SW846-8270 M
Nitrobenzene	JU	0.005	mg/L	0.005	SW846-8270
N-Nitroso-di-n-propylamine	JU	0.005	mg/L	0.005	SW846-8270
N-Nitroso-di-n-propylamine	U	0.01	mg/L	0.01	SW846-8270 M
N-Nitrosodiphenylamine	U	0.01	mg/L	0.01	SW846-8270 M
N-Nitrosodiphenylamine	JU	0.005	mg/L	0.005	SW846-8270
Pentachlorophenol	U	0.01	mg/L	0.01	SW846-8270 M
Pentachlorophenol	JU	0.005	mg/L	0.005	SW846-8270
Phenanthrene	JU	0.005	mg/L	0.005	SW846-8270

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ERI99-W3-5

WAG 3 - SWMU 5

Phenanthrene	U	0.01	mg/L	0.01	SW846-8270 M
Phenol	U	0.01	mg/L	0.01	SW846-8270 M
Phenol	JU	0.005	mg/L	0.005	SW846-8270
Pyrene	U	0.01	mg/L	0.01	SW846-8270 M
Pyrene	JU	0.005	mg/L	0.005	SW846-8270
Pyridine	JU	0.005	mg/L	0.005	SW846-8270
<b>VOA</b>					
1,1-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
cis-1,2-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
trans-1,2-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
Trichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
Vinyl chloride	U	0.001	mg/L	0.001	SW846-8021 M
<b>WETCHEM</b>					
Cyanide	U	0.02	mg/L	0.02	SW846-9014

005026WA110-45

Collected: 9/24/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium		0.074	mg/L		0.05	SW846-6010A
Beryllium	BU	0.005	mg/L		0.005	SW846-6010A
Cadmium	U	0.01	mg/L		0.01	SW846-6010A
Calcium	J	16	mg/L		0.5	SW846-6010A
Chromium	U	0.05	mg/L		0.05	SW846-6010A
Cobalt	U	0.01	mg/L		0.01	SW846-6010A
Iron		0.294	mg/L		0.2	SW846-6010A
Magnesium		7.03	mg/L		0.05	SW846-6010A
Manganese	N	0.445	mg/L		0.05	SW846-6010A
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470
Potassium		2.86	mg/L		2	SW846-6010A
Sodium		12.7	mg/L		2	SW846-6010A
Vanadium	U	0.1	mg/L		0.1	SW846-6010A

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**ERI99-W3-5**

**WAG 3 - SWMU 5**

**005026WA110-5**

Collected: 9/24/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum		0.754	mg/L		0.2	SW846-6010A
Barium		0.075	mg/L		0.05	SW846-6010A
Beryllium	U	0.005	mg/L		0.005	SW846-6010A
Cadmium	U	0.01	mg/L		0.01	SW846-6010A
Calcium	J	15.1	mg/L		0.5	SW846-6010A
Chromium	U	0.05	mg/L		0.05	SW846-6010A
Cobalt	U	0.01	mg/L		0.01	SW846-6010A
Iron		0.492	mg/L		0.2	SW846-6010A
Magnesium		6.83	mg/L		0.05	SW846-6010A
Manganese		0.422	mg/L		0.05	SW846-6010A
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470
Potassium		2.87	mg/L		2	SW846-6010A
Sodium		12.2	mg/L		2	SW846-6010A
Vanadium	U	0.1	mg/L		0.1	SW846-6010A

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**005-026**

**ERI99-W3-5**

**WAG 3 - SWMU 5**

**005026WD075**

Collected: 9/24/1999

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum		8.18	mg/L		0.2	SW846-6010A
Barium		0.193	mg/L		0.05	SW846-6010A
Beryllium	BU	0.005	mg/L		0.005	SW846-6010A
Cadmium	U	0.01	mg/L		0.01	SW846-6010A
Calcium		10.8	mg/L		0.5	SW846-6010A
Chromium	U	0.05	mg/L		0.05	SW846-6010A
Cobalt		0.024	mg/L		0.01	SW846-6010A
Copper	U	0.05	mg/L		0.05	SW846-6010A
Iron	N	19	mg/L		0.2	SW846-6010A
Magnesium		4.65	mg/L		0.05	SW846-6010A
Manganese		3.26	mg/L		0.05	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Potassium	U	2	mg/L		2	SW846-6010A
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Silver	U	0.05	mg/L		0.05	SW846-6010A
Sodium		12.1	mg/L		2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Vanadium	U	0.1	mg/L		0.1	SW846-6010A
Zinc	BU	0.2	mg/L		0.2	SW846-6010A
<b>RADS</b>						
Alpha activity	A	0.6	pCi/L	1	1.8	SW846-9310
Beta activity	A	0.9	pCi/L	1.4	2.4	SW846-9310
Radon	A	59.2	pCi/L	44.8	153	RL-7104
Technetium-99	A	9.8	pCi/L	8.4	14	DNT
<b>SVOA</b>						
1,2,4-Trichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,2-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,3-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,4-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
2,4,5-Trichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4,6-Trichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dimethylphenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dinitrotoluene	U	0.01	mg/L		0.01	SW846-8270 M
2,6-Dinitrotoluene	U	0.01	mg/L		0.01	SW846-8270 M
2-Chloronaphthalene	U	0.01	mg/L		0.01	SW846-8270 M
2-Chlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Methyl-4,6-dinitrophenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Methylnaphthalene	U	0.01	mg/L		0.01	SW846-8270 M
2-Methylphenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Nitrobenzenamine	U	0.01	mg/L		0.01	SW846-8270 M
2-Nitrophenol	U	0.01	mg/L		0.01	SW846-8270 M
3,3'-Dichlorobenzidine	U	0.01	mg/L		0.01	SW846-8270 M
3-Nitrobenzenamine	U	0.01	mg/L		0.01	SW846-8270 M
4-Bromophenyl phenyl ether	U	0.01	mg/L		0.01	SW846-8270 M
4-Chloro-3-methylphenol	U	0.01	mg/L		0.01	SW846-8270 M
4-Chlorobenzenamine	U	0.01	mg/L		0.01	SW846-8270 M
4-Chlorophenyl phenyl ether	U	0.01	mg/L		0.01	SW846-8270 M

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## ERI99-W3-5

## WAG 3 - SWMU 5

4-Methylphenol	U	0.01	mg/L	0.01	SW846-8270 M
4-Nitrobenzenamine	U	0.01	mg/L	0.01	SW846-8270 M
4-Nitrophenol	U	0.01	mg/L	0.01	SW846-8270 M
Acenaphthene	U	0.01	mg/L	0.01	SW846-8270 M
Acenaphthylene	U	0.01	mg/L	0.01	SW846-8270 M
Anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Benz(a)anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(a)pyrene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(b)fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(ghi)perylene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(k)fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroethoxy)methane	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroethyl) ether	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroisopropyl) ether	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-ethylhexyl)phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Carbazole	U	0.01	mg/L	0.01	SW846-8270 M
Chrysene	U	0.01	mg/L	0.01	SW846-8270 M
Dibenz(a,h)anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Dibenzofuran	U	0.01	mg/L	0.01	SW846-8270 M
Diethyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Dimethyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Di-n-butyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Di-n-octylphthalate	U	0.01	mg/L	0.01	SW846-8270 M
Fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Fluorene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorobenzene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorobutadiene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorocyclopentadiene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachloroethane	U	0.01	mg/L	0.01	SW846-8270 M
Indeno(1,2,3-cd)pyrene	U	0.01	mg/L	0.01	SW846-8270 M
Isophorone	U	0.01	mg/L	0.01	SW846-8270 M
Naphthalene	U	0.01	mg/L	0.01	SW846-8270 M
Nitrobenzene	U	0.01	mg/L	0.01	SW846-8270 M
N-Nitroso-di-n-propylamine	U	0.01	mg/L	0.01	SW846-8270 M
N-Nitrosodiphenylamine	U	0.01	mg/L	0.01	SW846-8270 M
Pentachlorophenol	U	0.01	mg/L	0.01	SW846-8270 M
Phenanthrene	U	0.01	mg/L	0.01	SW846-8270 M
Phenol	U	0.01	mg/L	0.01	SW846-8270 M
Pyrene	U	0.01	mg/L	0.01	SW846-8270 M
<b>VOA</b>					
1,1-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
cis-1,2-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
trans-1,2-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
Trichloroethene	J	0.0001	mg/L	0.001	SW846-8021 M
Vinyl chloride	U	0.001	mg/L	0.001	SW846-8021 M
<b>WETCHEM</b>					
Cyanide	U	0.02	mg/L	0.02	SW846-9014

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005-026

ERI99-W3-5

WAG 3 - SWMU 5

005026WD075-45

Collected: 9/24/1999

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium		0.092	mg/L		0.05	SW846-6010A
Calcium		9.56	mg/L		0.5	SW846-6010A
Cobalt		0.013	mg/L		0.01	SW846-6010A
Iron		0.897	mg/L		0.2	SW846-6010A
Magnesium		4.09	mg/L		0.05	SW846-6010A
Manganese	N	1.35	mg/L		0.05	SW846-6010A
Sodium		10.9	mg/L		2	SW846-6010A

005026WD075-5

Collected: 9/24/1999

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium		0.106	mg/L		0.05	SW846-6010A
Calcium	J	10.4	mg/L		0.5	SW846-6010A
Cobalt		0.012	mg/L		0.01	SW846-6010A
Iron		0.888	mg/L		0.2	SW846-6010A
Magnesium		4.27	mg/L		0.05	SW846-6010A
Manganese		1.65	mg/L		0.05	SW846-6010A
Sodium		11.3	mg/L		2	SW846-6010A



# Paducah-OREIS Data Report

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**005-018**

**ERI99-W3-5-2**

**WAG 3 - SWMU 5 - Phase II**

**005018WA085**

Collected: 12/16/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		8	mg/L		2	SW846-9056
Fluoride	N	0.22	mg/L		0.1	EPA-340.2
Nitrate	U	4	mg/L		4	SW846-9056
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Orthophosphate	U	6	mg/L		6	SW846-9056
Sulfate		10.5	mg/L		5	SW846-9056
<b>METAL</b>						
Aluminum	*N	395	mg/L		0.2	SW846-6010A
Barium	N	3.4	mg/L		0.05	SW846-6010A
Beryllium	N	0.045	mg/L		0.01	SW846-6010A
Calcium	N	66.9	mg/L		1	SW846-6010A
Chromium	N	2.04	mg/L		0.05	SW846-6010A
Cobalt	N	0.266	mg/L		0.01	SW846-6010A
Copper	N	0.596	mg/L		0.05	SW846-6010A
Iron	N	787	mg/L		2	SW846-6010A
Lead	N	0.248	mg/L		0.2	SW846-6010A
Magnesium	N	45.6	mg/L		0.05	SW846-6010A
Manganese	N	11.4	mg/L		0.05	SW846-6010A
Mercury	B	0.0003	mg/L		0.0002	SW846-7470
Nickel	N	0.482	mg/L		0.05	SW846-6010A
Potassium	*N	28	mg/L		2	SW846-6010A
Selenium	BNUW	0.005	mg/L		0.005	SW846-7740
Silver	BNU	0.05	mg/L		0.05	SW846-6010A
Sodium	N	22.4	mg/L		2	SW846-6010A
Thallium	*JNU	2	mg/L		2	SW846-6010A
Vanadium	N	0.765	mg/L		0.05	SW846-6010A
Zinc	N	2.44	mg/L		0.2	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids	*	298	mg/L		100	EPA-160.2
pH	X	6.43	none			SW846-9040
Redox	J	220	mV			SM-2580-B
<b>PCCB</b>						
PCB-1016	JU	0.00021	mg/L		0.0002	SW846-8082
PCB-1221	JU	0.00021	mg/L		0.0002	SW846-8082
PCB-1232	JU	0.00018	mg/L		0.0002	SW846-8082
PCB-1242	JU	0.00019	mg/L		0.0002	SW846-8082
PCB-1248	JU	0.00019	mg/L		0.0002	SW846-8082
PCB-1254	JU	0.00016	mg/L		0.0002	SW846-8082
PCB-1260	JU	0.00021	mg/L		0.0002	SW846-8082
PCB-1268	JU	0.0001	mg/L		0.0001	SW846-8082
Polychlorinated biphenyl	JU	0.00021	mg/L		0.0002	SW846-8082
<b>RADS</b>						
Alpha activity		16.97	pCi/L	4.49	3.54	EPA-900.0
Americium-241	A	0.724	pCi/L	1.45	86.7	RL-7124
Beta activity		19.03	pCi/L	3.03	6.63	EPA-900.0
Neptunium-237	A	17	pCi/L	34	52.3	RL-7124
Plutonium-239/240	A	0.246	pCi/L	0.22	1.24	RL-7120
Radium-226		458	pCi/L	916	311	RL-7124
Radon		267	pCi/L	112	190	RL-7104

005-018

ERI99-W3-5-2

WAG 3 - SWMU 5 - Phase II

Technetium-99	A	3.3	pCi/L	10.7	15.8	RL-7100
Thorium-234	A	-119	pCi/L	239	543	RL-7124
<b>SVOA</b>						
1,2,4-Trichlorobenzene	JU	0.005	mg/L		0.005	SW846-8270
1,2-Dichlorobenzene	JU	0.005	mg/L		0.005	SW846-8270
1,3-Dichlorobenzene	JU	0.005	mg/L		0.005	SW846-8270
1,4-Dichlorobenzene	JU	0.005	mg/L		0.005	SW846-8270
2,4,5-Trichlorophenol	JU	0.005	mg/L		0.005	SW846-8270
2,4,6-Trichlorophenol	JU	0.005	mg/L		0.005	SW846-8270
2,4-Dichlorophenol	JU	0.005	mg/L		0.005	SW846-8270
2,4-Dimethylphenol	JU	0.005	mg/L		0.005	SW846-8270
2,4-Dinitrophenol	JU	0.005	mg/L		0.005	SW846-8270
2,4-Dinitrotoluene	JU	0.005	mg/L		0.005	SW846-8270
2,6-Dinitrotoluene	JU	0.005	mg/L		0.005	SW846-8270
2-Chloronaphthalene	JU	0.005	mg/L		0.005	SW846-8270
2-Chlorophenol	JU	0.005	mg/L		0.005	SW846-8270
2-Methyl-4,6-dinitrophenol	JU	0.005	mg/L		0.005	SW846-8270
2-Methylnaphthalene	JU	0.005	mg/L		0.005	SW846-8270
2-Methylphenol	JU	0.005	mg/L		0.005	SW846-8270
2-Nitrobenzenamine	JU	0.005	mg/L		0.005	SW846-8270
2-Nitrophenol	JU	0.005	mg/L		0.005	SW846-8270
3,3'-Dichlorobenzidine	JU	0.005	mg/L		0.005	SW846-8270
3-Nitrobenzenamine	JU	0.005	mg/L		0.005	SW846-8270
4-Bromophenyl phenyl ether	JU	0.005	mg/L		0.005	SW846-8270
4-Chloro-3-methylphenol	JU	0.005	mg/L		0.005	SW846-8270
4-Chlorobenzenamine	JU	0.005	mg/L		0.005	SW846-8270
4-Chlorophenyl phenyl ether	JU	0.005	mg/L		0.005	SW846-8270
4-Methylphenol	JU	0.005	mg/L		0.005	SW846-8270
4-Nitrobenzenamine	JU	0.005	mg/L		0.005	SW846-8270
4-Nitrophenol	JU	0.005	mg/L		0.005	SW846-8270
Acenaphthene	JU	0.005	mg/L		0.005	SW846-8270
Acenaphthylene	JU	0.005	mg/L		0.005	SW846-8270
Anthracene	JU	0.005	mg/L		0.005	SW846-8270
Benz(a)anthracene	JU	0.005	mg/L		0.005	SW846-8270
Benzo(a)pyrene	JU	0.005	mg/L		0.005	SW846-8270
Benzo(b)fluoranthene	JU	0.005	mg/L		0.005	SW846-8270
Benzo(ghi)perylene	JU	0.005	mg/L		0.005	SW846-8270
Benzo(k)fluoranthene	JU	0.005	mg/L		0.005	SW846-8270
Bis(2-chloroethoxy)methane	JU	0.005	mg/L		0.005	SW846-8270
Bis(2-chloroethyl) ether	JU	0.005	mg/L		0.005	SW846-8270
Bis(2-chloroisopropyl) ether	JU	0.005	mg/L		0.005	SW846-8270
Bis(2-ethylhexyl)phthalate	JU	0.005	mg/L		0.005	SW846-8270
Butyl benzyl phthalate	JU	0.005	mg/L		0.005	SW846-8270
Carbazole	JU	0.005	mg/L		0.005	SW846-8270
Chrysene	JU	0.005	mg/L		0.005	SW846-8270
Dibenz(a,h)anthracene	JU	0.005	mg/L		0.005	SW846-8270
Dibenzofuran	JU	0.005	mg/L		0.005	SW846-8270
Diethyl phthalate	JU	0.005	mg/L		0.005	SW846-8270
Dimethyl phthalate	JU	0.005	mg/L		0.005	SW846-8270
Di-n-butyl phthalate	JU	0.005	mg/L		0.005	SW846-8270
Di-n-octylphthalate	JU	0.005	mg/L		0.005	SW846-8270
Fluoranthene	JU	0.005	mg/L		0.005	SW846-8270
Fluorene	JU	0.005	mg/L		0.005	SW846-8270
Hexachlorobenzene	JU	0.005	mg/L		0.005	SW846-8270
Hexachlorobutadiene	JU	0.005	mg/L		0.005	SW846-8270

## 005-018

## ERI99-W3-5-2

## WAG 3 - SWMU 5 - Phase II

Hexachlorocyclopentadiene	JU	0.005 mg/L	0.005	SW846-8270
Hexachloroethane	JU	0.005 mg/L	0.005	SW846-8270
Indeno(1,2,3-cd)pyrene	JU	0.005 mg/L	0.005	SW846-8270
Isophorone	JU	0.005 mg/L	0.005	SW846-8270
Naphthalene	JU	0.005 mg/L	0.005	SW846-8270
Nitrobenzene	JU	0.005 mg/L	0.005	SW846-8270
N-Nitroso-di-n-propylamine	JU	0.005 mg/L	0.005	SW846-8270
N-Nitrosodiphenylamine	JU	0.005 mg/L	0.005	SW846-8270
Pentachlorophenol	JU	0.005 mg/L	0.005	SW846-8270
Phenanthrene	JU	0.005 mg/L	0.005	SW846-8270
Phenol	JU	0.005 mg/L	0.005	SW846-8270
Pyrene	JU	0.005 mg/L	0.005	SW846-8270
Pyridine	JU	0.005 mg/L	0.005	SW846-8270
<b>VOA</b>				
1,1,1-Trichloroethane	U	0.005 mg/L	0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005 mg/L	0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005 mg/L	0.005	SW846-8260
1,1-Dichloroethane	U	0.005 mg/L	0.005	SW846-8260
1,2-Dichloroethane	U	0.005 mg/L	0.005	SW846-8260
1,2-Dichloropropane	U	0.005 mg/L	0.005	SW846-8260
1,2-Dimethylbenzene	U	0.005 mg/L	0.005	SW846-8260
2-Butanone	U	0.01 mg/L	0.01	SW846-8260
2-Hexanone	U	0.01 mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01 mg/L	0.01	SW846-8260
Acetone	U	0.01 mg/L	0.01	SW846-8260
Benzene	U	0.005 mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromoform	U	0.005 mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005 mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005 mg/L	0.005	SW846-8260
Chloroethane	U	0.005 mg/L	0.005	SW846-8260
Chloromethane	U	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
m,p-Xylene	U	0.01 mg/L	0.01	SW846-8260
Methylene chloride	U	0.01 mg/L	0.01	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
<b>WETCHEM</b>				
Alkalinity		101 mg/L	10	EPA-310.1
Ammonia	*JU	0.2 mg/L	0.2	EPA-350.2
Bicarbonate as CaCO3		89 mg/L	10	SM-2320 B 17
Carbonate as CaCO3	U	10 mg/L	10	SM-2320 B 17
Chemical Oxygen Demand (COD)	BUX	25 mg/L	25	EPA-410.4 1978
Cyanide	NUX	0.02 mg/L	0.02	SW846-9014
Phosphate as Phosphorous	U	2 mg/L	2	SW846-9056
Silica		20 mg/L	1	EPA-370.1
Sulfide	U	2 mg/L	2	EPA-376.1

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**005-018**

**ERI99-W3-5-2**

**WAG 3 - SWMU 5 - Phase II**

Suspended Solids	*	13360	mg/L	10	EPA-160.1
Total Organic Carbon (TOC)	X	3.1	mg/L	1.5	SW846-9060

**005018WA085-45**

Collected: 12/16/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium		0.111	mg/L		0.05	SW846-6010A
Beryllium	BU	0.01	mg/L		0.01	SW846-6010A
Calcium	N	15.2	mg/L		1	SW846-6010A
Chromium	U	0.05	mg/L		0.05	SW846-6010A
Cobalt		0.017	mg/L		0.01	SW846-6010A
Copper	U	0.05	mg/L		0.05	SW846-6010A
Iron	U	0.2	mg/L		0.2	SW846-6010A
Magnesium		6.15	mg/L		0.05	SW846-6010A
Manganese	N	1.03	mg/L		0.05	SW846-6010A
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470
Nickel	BU	0.05	mg/L		0.05	SW846-6010A
Potassium	U	2	mg/L		2	SW846-6010A
Sodium	N	22.7	mg/L		2	SW846-6010A
Vanadium	U	0.05	mg/L		0.05	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A

**005018WA085-5**

Collected: 12/16/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum		3.67	mg/L		0.2	SW846-6010A
Barium		0.116	mg/L		0.05	SW846-6010A
Beryllium	BU	0.01	mg/L		0.01	SW846-6010A
Calcium	N	15.1	mg/L		1	SW846-6010A
Chromium	U	0.05	mg/L		0.05	SW846-6010A
Cobalt		0.019	mg/L		0.01	SW846-6010A
Copper	U	0.05	mg/L		0.05	SW846-6010A
Iron		2.14	mg/L		0.2	SW846-6010A
Magnesium		6.26	mg/L		0.05	SW846-6010A
Manganese	N	1.03	mg/L		0.05	SW846-6010A
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470
Nickel	BU	0.05	mg/L		0.05	SW846-6010A
Potassium	U	2	mg/L		2	SW846-6010A
Sodium	N	23.7	mg/L		2	SW846-6010A
Vanadium	U	0.05	mg/L		0.05	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A

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**005-019**

**ERI99-W3-5-2**

**WAG 3 - SWMU 5 - Phase II**

**005019WA085**

Collected: 12/14/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	*N	432	mg/L		0.2	SW846-6010A
Arsenic	*NW	0.005	mg/L		0.005	SW846-7060
Barium	N	3.3	mg/L		0.05	SW846-6010A
Beryllium	N	0.068	mg/L		0.01	SW846-6010A
Calcium	N	96.1	mg/L		1	SW846-6010A
Chromium	N	4.08	mg/L		0.05	SW846-6010A
Cobalt	N	0.547	mg/L		0.1	SW846-6010A
Copper	N	1.15	mg/L		0.05	SW846-6010A
Iron	N	1350	mg/L		2	SW846-6010A
Lead	N	0.404	mg/L		0.2	SW846-6010A
Magnesium	N	49.8	mg/L		0.05	SW846-6010A
Manganese	N	18	mg/L		0.05	SW846-6010A
Mercury		0.0006	mg/L		0.0002	SW846-7470
Nickel	N	0.624	mg/L		0.05	SW846-6010A
Potassium	*N	20.4	mg/L		2	SW846-6010A
Selenium	BNUW	0.005	mg/L		0.005	SW846-7740
Silver	BNU	0.05	mg/L		0.05	SW846-6010A
Sodium	N	48.7	mg/L		2	SW846-6010A
Thallium	*JNU	2	mg/L		2	SW846-6010A
Vanadium	N	1.68	mg/L		0.05	SW846-6010A
Zinc	N	4.6	mg/L		0.2	SW846-6010A
<b>PCCB</b>						
PCB-1016	JU	0.00025	mg/L		0.0003	SW846-8082
PCB-1221	JU	0.00025	mg/L		0.0003	SW846-8082
PCB-1232	JU	0.00022	mg/L		0.0002	SW846-8082
PCB-1242	JU	0.00023	mg/L		0.0002	SW846-8082
PCB-1248	JU	0.00023	mg/L		0.0002	SW846-8082
PCB-1254	JU	0.00019	mg/L		0.0002	SW846-8082
PCB-1260	JU	0.00025	mg/L		0.0003	SW846-8082
PCB-1268	JU	0.00013	mg/L		0.0001	SW846-8082
Polychlorinated biphenyl	JU	0.00025	mg/L		0.0003	SW846-8082
<b>RADS</b>						
Alpha activity		27.5	pCi/L	7.86	6.84	EPA-900.0
Americium-241	A	2	pCi/L	4.01	75.4	RL-7124
Beta activity		24.75	pCi/L	3.96	8.82	EPA-900.0
Neptunium-237	A	-8.49	pCi/L	17	52.9	RL-7124
Plutonium-239/240	A	0.079	pCi/L	0.197	1.24	RL-7120
Radon	X	361	pCi/L	77.2	184	RL-7104
Technetium-99	A	-2.08	pCi/L	0	15.8	RL-7100
Thorium-234	A	-130	pCi/L	260	525	RL-7124
<b>SVOA</b>						
1,2,4-Trichlorobenzene	JU	0.005	mg/L		0.005	SW846-8270
1,2-Dichlorobenzene	JU	0.005	mg/L		0.005	SW846-8270
1,3-Dichlorobenzene	JU	0.005	mg/L		0.005	SW846-8270
1,4-Dichlorobenzene	JU	0.005	mg/L		0.005	SW846-8270
2,4,5-Trichlorophenol	JU	0.005	mg/L		0.005	SW846-8270
2,4,6-Trichlorophenol	JU	0.005	mg/L		0.005	SW846-8270
2,4-Dichlorophenol	JU	0.005	mg/L		0.005	SW846-8270
2,4-Dimethylphenol	JU	0.005	mg/L		0.005	SW846-8270

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ERI99-W3-5-2

WAG 3 - SWMU 5 - Phase II

2,4-Dinitrophenol	JU	0.005	mg/L	0.005	SW846-8270
2,4-Dinitrotoluene	JU	0.005	mg/L	0.005	SW846-8270
2,6-Dinitrotoluene	JU	0.005	mg/L	0.005	SW846-8270
2-Chloronaphthalene	JU	0.005	mg/L	0.005	SW846-8270
2-Chlorophenol	JU	0.005	mg/L	0.005	SW846-8270
2-Methyl-4,6-dinitrophenol	JU	0.005	mg/L	0.005	SW846-8270
2-Methylnaphthalene	JU	0.005	mg/L	0.005	SW846-8270
2-Methylphenol	JU	0.005	mg/L	0.005	SW846-8270
2-Nitrobenzenamine	JU	0.005	mg/L	0.005	SW846-8270
2-Nitrophenol	JU	0.005	mg/L	0.005	SW846-8270
3,3'-Dichlorobenzidine	JU	0.005	mg/L	0.005	SW846-8270
3-Nitrobenzenamine	JU	0.005	mg/L	0.005	SW846-8270
4-Bromophenyl phenyl ether	JU	0.005	mg/L	0.005	SW846-8270
4-Chloro-3-methylphenol	JU	0.005	mg/L	0.005	SW846-8270
4-Chlorobenzenamine	JU	0.005	mg/L	0.005	SW846-8270
4-Chlorophenyl phenyl ether	JU	0.005	mg/L	0.005	SW846-8270
4-Methylphenol	JU	0.005	mg/L	0.005	SW846-8270
4-Nitrobenzenamine	JU	0.005	mg/L	0.005	SW846-8270
4-Nitrophenol	JU	0.005	mg/L	0.005	SW846-8270
Acenaphthene	JU	0.005	mg/L	0.005	SW846-8270
Acenaphthylene	JU	0.005	mg/L	0.005	SW846-8270
Anthracene	JU	0.005	mg/L	0.005	SW846-8270
Benz(a)anthracene	JU	0.005	mg/L	0.005	SW846-8270
Benzo(a)pyrene	JU	0.005	mg/L	0.005	SW846-8270
Benzo(b)fluoranthene	JU	0.005	mg/L	0.005	SW846-8270
Benzo(ghi)perylene	JU	0.005	mg/L	0.005	SW846-8270
Benzo(k)fluoranthene	JU	0.005	mg/L	0.005	SW846-8270
Bis(2-chloroethoxy)methane	JU	0.005	mg/L	0.005	SW846-8270
Bis(2-chloroethyl) ether	JU	0.005	mg/L	0.005	SW846-8270
Bis(2-chloroisopropyl) ether	JU	0.005	mg/L	0.005	SW846-8270
Bis(2-ethylhexyl)phthalate	BJ	0.007	mg/L	0.005	SW846-8270
Butyl benzyl phthalate	JU	0.005	mg/L	0.005	SW846-8270
Carbazole	JU	0.005	mg/L	0.005	SW846-8270
Chrysene	JU	0.005	mg/L	0.005	SW846-8270
Dibenz(a,h)anthracene	JU	0.005	mg/L	0.005	SW846-8270
Dibenzofuran	JU	0.005	mg/L	0.005	SW846-8270
Diethyl phthalate	JU	0.005	mg/L	0.005	SW846-8270
Dimethyl phthalate	JU	0.005	mg/L	0.005	SW846-8270
Di-n-butyl phthalate	JU	0.005	mg/L	0.005	SW846-8270
Di-n-octylphthalate	JU	0.005	mg/L	0.005	SW846-8270
Fluoranthene	JU	0.005	mg/L	0.005	SW846-8270
Fluorene	JU	0.005	mg/L	0.005	SW846-8270
Hexachlorobenzene	JU	0.005	mg/L	0.005	SW846-8270
Hexachlorobutadiene	JU	0.005	mg/L	0.005	SW846-8270
Hexachlorocyclopentadiene	JU	0.005	mg/L	0.005	SW846-8270
Hexachloroethane	JU	0.005	mg/L	0.005	SW846-8270
Indeno(1,2,3-cd)pyrene	JU	0.005	mg/L	0.005	SW846-8270
Isophorone	JU	0.005	mg/L	0.005	SW846-8270
Naphthalene	JU	0.005	mg/L	0.005	SW846-8270
Nitrobenzene	JU	0.005	mg/L	0.005	SW846-8270
N-Nitroso-di-n-propylamine	JU	0.005	mg/L	0.005	SW846-8270
N-Nitrosodiphenylamine	JU	0.005	mg/L	0.005	SW846-8270
Pentachlorophenol	JU	0.005	mg/L	0.005	SW846-8270
Phenanthrene	JU	0.005	mg/L	0.005	SW846-8270
Phenol	JU	0.005	mg/L	0.005	SW846-8270

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## ERI99-W3-5-2

## WAG 3 - SWMU 5 - Phase II

Pyrene	JU	0.005	mg/L	0.005	SW846-8270
Pyridine	JU	0.005	mg/L	0.005	SW846-8270
<b>VOA</b>					
1,1,1-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethane	UX	0.005	mg/L	0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dimethylbenzene	U	0.005	mg/L	0.005	SW846-8260
2-Butanone	U	0.01	mg/L	0.01	SW846-8260
2-Hexanone	U	0.01	mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L	0.01	SW846-8260
Acetone	U	0.01	mg/L	0.01	SW846-8260
Benzene	U	0.005	mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromoform	U	0.005	mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L	0.005	SW846-8260
Chloroethane	U	0.005	mg/L	0.005	SW846-8260
Chloromethane	U	0.005	mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene		0.011	mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L	0.005	SW846-8260
m,p-Xylene	U	0.01	mg/L	0.01	SW846-8260
Methylene chloride	U	0.01	mg/L	0.01	SW846-8260
Styrene	U	0.005	mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L	0.005	SW846-8260
Toluene	U	0.005	mg/L	0.005	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Trichloroethene	U	0.001	mg/L	0.001	SW846-8260
<b>WETCHEM</b>					
Cyanide	NUX	0.02	mg/L	0.02	SW846-9014

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005-019

ERI99-W3-5-2

WAG 3 - SWMU 5 - Phase II

005019WA085-45

Collected: 12/14/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium		0.249	mg/L		0.05	SW846-6010A
Beryllium	BU	0.01	mg/L		0.01	SW846-6010A
Calcium	N	48.9	mg/L		1	SW846-6010A
Chromium	U	0.05	mg/L		0.05	SW846-6010A
Cobalt		0.074	mg/L		0.01	SW846-6010A
Copper	U	0.05	mg/L		0.05	SW846-6010A
Iron		3.3	mg/L		0.2	SW846-6010A
Magnesium		19.2	mg/L		0.05	SW846-6010A
Manganese	N	4.54	mg/L		0.05	SW846-6010A
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470
Nickel	BU	0.05	mg/L		0.05	SW846-6010A
Potassium	U	2	mg/L		2	SW846-6010A
Sodium	N	56.9	mg/L		2	SW846-6010A
Vanadium	U	0.05	mg/L		0.05	SW846-6010A
Zinc		0.271	mg/L		0.2	SW846-6010A

005019WA085-5

Collected: 12/14/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum		0.306	mg/L		0.2	SW846-6010A
Barium		0.23	mg/L		0.05	SW846-6010A
Beryllium	BU	0.01	mg/L		0.01	SW846-6010A
Calcium	N	47.7	mg/L		1	SW846-6010A
Chromium	U	0.05	mg/L		0.05	SW846-6010A
Cobalt		0.066	mg/L		0.01	SW846-6010A
Copper	U	0.05	mg/L		0.05	SW846-6010A
Iron		1.94	mg/L		0.2	SW846-6010A
Magnesium		18.8	mg/L		0.05	SW846-6010A
Manganese	N	4.26	mg/L		0.05	SW846-6010A
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470
Nickel	BU	0.05	mg/L		0.05	SW846-6010A
Potassium	U	2	mg/L		2	SW846-6010A
Sodium	N	56.1	mg/L		2	SW846-6010A
Vanadium	U	0.05	mg/L		0.05	SW846-6010A
Zinc		0.269	mg/L		0.2	SW846-6010A



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**005-019**

**ERI99-W3-5-2**

**WAG 3 - SWMU 5 - Phase II**

**005019WD085**

Collected: 12/14/1999

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	*N	591	mg/L		0.2	SW846-6010A
Arsenic	*NW	0.014	mg/L		0.005	SW846-7060
Barium	N	10.5	mg/L		0.05	SW846-6010A
Beryllium	N	0.144	mg/L		0.01	SW846-6010A
Calcium	N	202	mg/L		1	SW846-6010A
Chromium	N	6.47	mg/L		0.05	SW846-6010A
Cobalt	N	1.82	mg/L		0.01	SW846-6010A
Copper	N	1.81	mg/L		0.05	SW846-6010A
Iron	N	2090	mg/L		2	SW846-6010A
Lead	N	0.816	mg/L		0.2	SW846-6010A
Magnesium	N	88.6	mg/L		0.05	SW846-6010A
Manganese	N	54.8	mg/L		0.05	SW846-6010A
Mercury		0.0025	mg/L		0.0002	SW846-7470
Nickel	N	1.37	mg/L		0.05	SW846-6010A
Potassium	*N	27.8	mg/L		2	SW846-6010A
Selenium	BNW	0.005	mg/L		0.005	SW846-7740
Silver	BNU	0.05	mg/L		0.05	SW846-6010A
Sodium	N	44	mg/L		2	SW846-6010A
Thallium	*JNU	2	mg/L		2	SW846-6010A
Vanadium	N	2.62	mg/L		0.05	SW846-6010A
Zinc	N	6.77	mg/L		0.2	SW846-6010A
<b>PCCB</b>						
PCB-1016	UX	0.00046	mg/L		0.0005	SW846-8082
PCB-1221	UX	0.00046	mg/L		0.0005	SW846-8082
PCB-1232	UX	0.0004	mg/L		0.0004	SW846-8082
PCB-1242	UX	0.00043	mg/L		0.0004	SW846-8082
PCB-1248	UX	0.00043	mg/L		0.0004	SW846-8082
PCB-1254	UX	0.00034	mg/L		0.0003	SW846-8082
PCB-1260	UX	0.00046	mg/L		0.0005	SW846-8082
PCB-1268	UX	0.00023	mg/L		0.0002	SW846-8082
Polychlorinated biphenyl	UX	0.00046	mg/L		0.0005	SW846-8082
<b>RADS</b>						
Alpha activity		29.16	pCi/L	7.41	5.78	EPA-900.0
Beta activity		46.27	pCi/L	5.81	8.42	EPA-900.0
Plutonium-239/240	A	0.0521	pCi/L	0.158	1.23	RL-7120
Radon	X	356	pCi/L	76.9	184	RL-7104
Technetium-99	A	-0.712	pCi/L	0	15.8	RL-7100
<b>SVOA</b>						
1,2,4-Trichlorobenzene	JU	0.005	mg/L		0.005	SW846-8270
1,2-Dichlorobenzene	JU	0.005	mg/L		0.005	SW846-8270
1,3-Dichlorobenzene	JU	0.005	mg/L		0.005	SW846-8270
1,4-Dichlorobenzene	JU	0.005	mg/L		0.005	SW846-8270
2,4,5-Trichlorophenol	JU	0.005	mg/L		0.005	SW846-8270
2,4,6-Trichlorophenol	JU	0.005	mg/L		0.005	SW846-8270
2,4-Dichlorophenol	JU	0.005	mg/L		0.005	SW846-8270
2,4-Dimethylphenol	JU	0.005	mg/L		0.005	SW846-8270
2,4-Dinitrophenol	JU	0.005	mg/L		0.005	SW846-8270
2,4-Dinitrotoluene	JU	0.005	mg/L		0.005	SW846-8270
2,6-Dinitrotoluene	JU	0.005	mg/L		0.005	SW846-8270

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## ERI99-W3-5-2

## WAG 3 - SWMU 5 - Phase II

2-Chloronaphthalene	JU	0.005	mg/L	0.005	SW846-8270
2-Chlorophenol	JU	0.005	mg/L	0.005	SW846-8270
2-Methyl-4,6-dinitrophenol	JU	0.005	mg/L	0.005	SW846-8270
2-Methylnaphthalene	JU	0.005	mg/L	0.005	SW846-8270
2-Methylphenol	JU	0.005	mg/L	0.005	SW846-8270
2-Nitrobenzenamine	JU	0.005	mg/L	0.005	SW846-8270
2-Nitrophenol	JU	0.005	mg/L	0.005	SW846-8270
3,3'-Dichlorobenzidine	JU	0.005	mg/L	0.005	SW846-8270
3-Nitrobenzenamine	JU	0.005	mg/L	0.005	SW846-8270
4-Bromophenyl phenyl ether	JU	0.005	mg/L	0.005	SW846-8270
4-Chloro-3-methylphenol	JU	0.005	mg/L	0.005	SW846-8270
4-Chlorobenzenamine	JU	0.005	mg/L	0.005	SW846-8270
4-Chlorophenyl phenyl ether	JU	0.005	mg/L	0.005	SW846-8270
4-Methylphenol	JU	0.005	mg/L	0.005	SW846-8270
4-Nitrobenzenamine	JU	0.005	mg/L	0.005	SW846-8270
4-Nitrophenol	JU	0.005	mg/L	0.005	SW846-8270
Acenaphthene	JU	0.005	mg/L	0.005	SW846-8270
Acenaphthylene	JU	0.005	mg/L	0.005	SW846-8270
Anthracene	JU	0.005	mg/L	0.005	SW846-8270
Benz(a)anthracene	JU	0.005	mg/L	0.005	SW846-8270
Benzo(a)pyrene	JU	0.005	mg/L	0.005	SW846-8270
Benzo(b)fluoranthene	JU	0.005	mg/L	0.005	SW846-8270
Benzo(ghi)perylene	JU	0.005	mg/L	0.005	SW846-8270
Benzo(k)fluoranthene	JU	0.005	mg/L	0.005	SW846-8270
Bis(2-chloroethoxy)methane	JU	0.005	mg/L	0.005	SW846-8270
Bis(2-chloroethyl) ether	JU	0.005	mg/L	0.005	SW846-8270
Bis(2-chloroisopropyl) ether	JU	0.005	mg/L	0.005	SW846-8270
Bis(2-ethylhexyl)phthalate	BJ	0.006	mg/L	0.005	SW846-8270
Butyl benzyl phthalate	JU	0.005	mg/L	0.005	SW846-8270
Carbazole	JU	0.005	mg/L	0.005	SW846-8270
Chrysene	JU	0.005	mg/L	0.005	SW846-8270
Dibenz(a,h)anthracene	JU	0.005	mg/L	0.005	SW846-8270
Dibenzofuran	JU	0.005	mg/L	0.005	SW846-8270
Diethyl phthalate	JU	0.005	mg/L	0.005	SW846-8270
Dimethyl phthalate	JU	0.005	mg/L	0.005	SW846-8270
Di-n-butyl phthalate	JU	0.005	mg/L	0.005	SW846-8270
Di-n-octylphthalate	JU	0.005	mg/L	0.005	SW846-8270
Fluoranthene	JU	0.005	mg/L	0.005	SW846-8270
Fluorene	JU	0.005	mg/L	0.005	SW846-8270
Hexachlorobenzene	JU	0.005	mg/L	0.005	SW846-8270
Hexachlorobutadiene	JU	0.005	mg/L	0.005	SW846-8270
Hexachlorocyclopentadiene	JU	0.005	mg/L	0.005	SW846-8270
Hexachloroethane	JU	0.005	mg/L	0.005	SW846-8270
Indeno(1,2,3-cd)pyrene	JU	0.005	mg/L	0.005	SW846-8270
Isophorone	JU	0.005	mg/L	0.005	SW846-8270
Naphthalene	JU	0.005	mg/L	0.005	SW846-8270
Nitrobenzene	JU	0.005	mg/L	0.005	SW846-8270
N-Nitroso-di-n-propylamine	JU	0.005	mg/L	0.005	SW846-8270
N-Nitrosodiphenylamine	JU	0.005	mg/L	0.005	SW846-8270
Pentachlorophenol	JU	0.005	mg/L	0.005	SW846-8270
Phenanthrene	JU	0.005	mg/L	0.005	SW846-8270
Phenol	JU	0.005	mg/L	0.005	SW846-8270
Pyrene	JU	0.005	mg/L	0.005	SW846-8270
Pyridine	JU	0.005	mg/L	0.005	SW846-8270

## VOA

## 005-019

## ERI99-W3-5-2

## WAG 3 - SWMU 5 - Phase II

1,1,1-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethane	UX	0.005	mg/L	0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dimethylbenzene	U	0.005	mg/L	0.005	SW846-8260
2-Butanone	U	0.01	mg/L	0.01	SW846-8260
2-Hexanone	U	0.01	mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L	0.01	SW846-8260
Acetone	U	0.01	mg/L	0.01	SW846-8260
Benzene	U	0.005	mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromoform	U	0.005	mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L	0.005	SW846-8260
Chloroethane	U	0.005	mg/L	0.005	SW846-8260
Chloromethane	U	0.005	mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene		0.01	mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L	0.005	SW846-8260
m,p-Xylene	U	0.01	mg/L	0.01	SW846-8260
Methylene chloride	U	0.01	mg/L	0.01	SW846-8260
Styrene	U	0.005	mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L	0.005	SW846-8260
Toluene	U	0.005	mg/L	0.005	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Trichloroethene	U	0.001	mg/L	0.001	SW846-8260
<b>WETCHEM</b>					
Cyanide	NUX	0.02	mg/L	0.02	SW846-9014

Paducah-OREIS Data Report

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005-019

ERI99-W3-5-2

WAG 3 - SWMU 5 - Phase II

005019WD085-45

Collected: 12/14/1999

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium		0.256	mg/L		0.05	SW846-6010A
Beryllium	BU	0.01	mg/L		0.01	SW846-6010A
Calcium	N	45.8	mg/L		1	SW846-6010A
Chromium	U	0.05	mg/L		0.05	SW846-6010A
Cobalt		0.075	mg/L		0.01	SW846-6010A
Copper	U	0.05	mg/L		0.05	SW846-6010A
Iron		2.34	mg/L		0.2	SW846-6010A
Magnesium		18.5	mg/L		0.05	SW846-6010A
Manganese	N	4.69	mg/L		0.05	SW846-6010A
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470
Nickel	BU	0.05	mg/L		0.05	SW846-6010A
Potassium	U	2	mg/L		2	SW846-6010A
Sodium	N	54.1	mg/L		2	SW846-6010A
Vanadium	U	0.05	mg/L		0.05	SW846-6010A
Zinc		0.251	mg/L		0.2	SW846-6010A

005019WD085-5

Collected: 12/14/1999

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum		0.517	mg/L		0.2	SW846-6010A
Barium		0.259	mg/L		0.05	SW846-6010A
Beryllium	BU	0.01	mg/L		0.01	SW846-6010A
Calcium	N	47.3	mg/L		1	SW846-6010A
Chromium	U	0.05	mg/L		0.05	SW846-6010A
Cobalt		0.082	mg/L		0.01	SW846-6010A
Copper	U	0.05	mg/L		0.05	SW846-6010A
Iron		5.41	mg/L		0.2	SW846-6010A
Magnesium		18.9	mg/L		0.05	SW846-6010A
Manganese	N	4.75	mg/L		0.05	SW846-6010A
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470
Nickel	BU	0.05	mg/L		0.05	SW846-6010A
Potassium	U	2	mg/L		2	SW846-6010A
Selenium	U	0.005	mg/L		0.005	SW846-7740
Sodium	N	55.3	mg/L		2	SW846-6010A
Vanadium	U	0.05	mg/L		0.05	SW846-6010A
Zinc		0.261	mg/L		0.2	SW846-6010A

005-020

ERI99-W3-5-2

WAG 3 - SWMU 5 - Phase II

005020WA085

Collected: 12/9/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>RADS</b>						
Uranium-235		0.704	wt %			AS7300
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dimethylbenzene	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone		0.038	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
m,p-Xylene	U	0.01	mg/L		0.01	SW846-8260
Methylene chloride	U	0.01	mg/L		0.01	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene	U	0.001	mg/L		0.001	SW846-8260

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**005-021**

**ERI99-W3-5-2**

**WAG 3 - SWMU 5 - Phase II**

**005021WA085**

Collected: 12/20/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	N	298	mg/L		0.2	SW846-6010A
Barium	N	5.49	mg/L		0.05	SW846-6010A
Beryllium	N	0.047	mg/L		0.01	SW846-6010A
Cadmium	NU	0.01	mg/L		0.01	SW846-6010A
Calcium	N	135	mg/L		1	SW846-6010A
Chromium	N	1.31	mg/L		0.05	SW846-6010A
Cobalt	N	0.367	mg/L		0.01	SW846-6010A
Copper	N	0.627	mg/L		0.05	SW846-6010A
Iron	N	631	mg/L		0.2	SW846-6010A
Lead	N	0.258	mg/L		0.2	SW846-6010A
Magnesium	N	60	mg/L		0.05	SW846-6010A
Manganese	N	21	mg/L		0.05	SW846-6010A
Mercury	W	0.0017	mg/L		0.0002	SW846-7470
Nickel		0.54	mg/L		0.05	SW846-6010A
Potassium	N	22.7	mg/L		2	SW846-6010A
Selenium	NUW	0.005	mg/L		0.005	SW846-7740
Silver	BNU	0.05	mg/L		0.05	SW846-6010A
Sodium	N	28.8	mg/L		2	SW846-6010A
Thallium	ENU	0.2	mg/L		0.2	SW846-6010A
Vanadium	N	0.756	mg/L		0.05	SW846-6010A
Zinc	N	2.24	mg/L		0.2	SW846-6010A
<b>PCCB</b>						
PCB-1016	U	0.00016	mg/L		0.0002	SW846-8082
PCB-1221	U	0.00016	mg/L		0.0002	SW846-8082
PCB-1232	U	0.00014	mg/L		0.0001	SW846-8082
PCB-1242	U	0.00015	mg/L		0.0002	SW846-8082
PCB-1248	U	0.00015	mg/L		0.0002	SW846-8082
PCB-1254	U	0.00012	mg/L		0.0001	SW846-8082
PCB-1260	U	0.00016	mg/L		0.0002	SW846-8082
PCB-1268	U	0.00008	mg/L		8E-05	SW846-8082
Polychlorinated biphenyl	U	0.00016	mg/L		0.0002	SW846-8082
<b>RADS</b>						
Alpha activity		56.08	pCi/L	10.5	5.72	EPA-900.0
Americium-241	A	-6.78	pCi/L	13.6	87.7	RL-7124
Beta activity		55.06	pCi/L	6.43	8.39	EPA-900.0
Neptunium-237	A	52.2	pCi/L	104	55.1	RL-7124
Plutonium-239/240	A	-0.117	pCi/L	0.152	0.938	RL-7120
Radon	X	737	pCi/L	170	168	RL-7104
Technetium-99	A	2.98	pCi/L	10.7	15.8	RL-7100
Thorium-234	A	207	pCi/L	414	571	RL-7124
<b>SVOA</b>						
1,2,4-Trichlorobenzene	JU	0.005	mg/L		0.005	SW846-8270
1,2-Dichlorobenzene	JU	0.005	mg/L		0.005	SW846-8270
1,3-Dichlorobenzene	JU	0.005	mg/L		0.005	SW846-8270
1,4-Dichlorobenzene	JU	0.005	mg/L		0.005	SW846-8270
2,4,5-Trichlorophenol	JU	0.005	mg/L		0.005	SW846-8270
2,4,6-Trichlorophenol	JU	0.005	mg/L		0.005	SW846-8270
2,4-Dichlorophenol	JU	0.005	mg/L		0.005	SW846-8270
2,4-Dimethylphenol	JU	0.005	mg/L		0.005	SW846-8270

## 005-021

## ERI99-W3-5-2

## WAG 3 - SWMU 5 - Phase II

2,4-Dinitrophenol	JU	0.005	mg/L	0.005	SW846-8270
2,4-Dinitrotoluene	JU	0.005	mg/L	0.005	SW846-8270
2,6-Dinitrotoluene	JU	0.005	mg/L	0.005	SW846-8270
2-Chloronaphthalene	JU	0.005	mg/L	0.005	SW846-8270
2-Chlorophenol	JU	0.005	mg/L	0.005	SW846-8270
2-Methyl-4,6-dinitrophenol	JU	0.005	mg/L	0.005	SW846-8270
2-Methylnaphthalene	JU	0.005	mg/L	0.005	SW846-8270
2-Methylphenol	JU	0.005	mg/L	0.005	SW846-8270
2-Nitrobenzenamine	JU	0.005	mg/L	0.005	SW846-8270
2-Nitrophenol	JU	0.005	mg/L	0.005	SW846-8270
3,3'-Dichlorobenzidine	JU	0.005	mg/L	0.005	SW846-8270
3-Nitrobenzenamine	JU	0.005	mg/L	0.005	SW846-8270
4-Bromophenyl phenyl ether	JU	0.005	mg/L	0.005	SW846-8270
4-Chloro-3-methylphenol	JU	0.005	mg/L	0.005	SW846-8270
4-Chlorobenzenamine	JU	0.005	mg/L	0.005	SW846-8270
4-Chlorophenyl phenyl ether	JU	0.005	mg/L	0.005	SW846-8270
4-Methylphenol	JU	0.005	mg/L	0.005	SW846-8270
4-Nitrobenzenamine	JU	0.005	mg/L	0.005	SW846-8270
4-Nitrophenol	JU	0.005	mg/L	0.005	SW846-8270
Acenaphthene	JU	0.005	mg/L	0.005	SW846-8270
Acenaphthylene	JU	0.005	mg/L	0.005	SW846-8270
Anthracene	JU	0.005	mg/L	0.005	SW846-8270
Benz(a)anthracene	JU	0.005	mg/L	0.005	SW846-8270
Benzo(a)pyrene	JU	0.005	mg/L	0.005	SW846-8270
Benzo(b)fluoranthene	JU	0.005	mg/L	0.005	SW846-8270
Benzo(ghi)perylene	JU	0.005	mg/L	0.005	SW846-8270
Benzo(k)fluoranthene	JU	0.005	mg/L	0.005	SW846-8270
Bis(2-chloroethoxy)methane	JU	0.005	mg/L	0.005	SW846-8270
Bis(2-chloroethyl) ether	JU	0.005	mg/L	0.005	SW846-8270
Bis(2-chloroisopropyl) ether	JU	0.005	mg/L	0.005	SW846-8270
Bis(2-ethylhexyl)phthalate	JU	0.005	mg/L	0.005	SW846-8270
Butyl benzyl phthalate	JU	0.005	mg/L	0.005	SW846-8270
Carbazole	JU	0.005	mg/L	0.005	SW846-8270
Chrysene	JU	0.005	mg/L	0.005	SW846-8270
Dibenz(a,h)anthracene	JU	0.005	mg/L	0.005	SW846-8270
Dibenzofuran	JU	0.005	mg/L	0.005	SW846-8270
Diethyl phthalate	JU	0.005	mg/L	0.005	SW846-8270
Dimethyl phthalate	JU	0.005	mg/L	0.005	SW846-8270
Di-n-butyl phthalate	JU	0.005	mg/L	0.005	SW846-8270
Di-n-octylphthalate	JU	0.005	mg/L	0.005	SW846-8270
Fluoranthene	JU	0.005	mg/L	0.005	SW846-8270
Fluorene	JU	0.005	mg/L	0.005	SW846-8270
Hexachlorobenzene	JU	0.005	mg/L	0.005	SW846-8270
Hexachlorobutadiene	JU	0.005	mg/L	0.005	SW846-8270
Hexachlorocyclopentadiene	JU	0.005	mg/L	0.005	SW846-8270
Hexachloroethane	JU	0.005	mg/L	0.005	SW846-8270
Indeno(1,2,3-cd)pyrene	JU	0.005	mg/L	0.005	SW846-8270
Isophorone	JU	0.005	mg/L	0.005	SW846-8270
Naphthalene	JU	0.005	mg/L	0.005	SW846-8270
Nitrobenzene	JU	0.005	mg/L	0.005	SW846-8270
N-Nitroso-di-n-propylamine	JU	0.005	mg/L	0.005	SW846-8270
N-Nitrosodiphenylamine	JU	0.005	mg/L	0.005	SW846-8270
Pentachlorophenol	JU	0.005	mg/L	0.005	SW846-8270
Phenanthrene	JU	0.005	mg/L	0.005	SW846-8270
Phenol	JU	0.005	mg/L	0.005	SW846-8270

## 005-021

## ERI99-W3-5-2

## WAG 3 - SWMU 5 - Phase II

Pyrene	JU	0.005	mg/L	0.005	SW846-8270
Pyridine	JU	0.005	mg/L	0.005	SW846-8270
<b>VOA</b>					
1,1,1-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dimethylbenzene	U	0.005	mg/L	0.005	SW846-8260
2-Butanone	U	0.01	mg/L	0.01	SW846-8260
2-Hexanone	U	0.01	mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L	0.01	SW846-8260
Acetone	U	0.01	mg/L	0.01	SW846-8260
Benzene	U	0.005	mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromoform	U	0.005	mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L	0.005	SW846-8260
Chloroethane	U	0.005	mg/L	0.005	SW846-8260
Chloromethane	U	0.005	mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L	0.005	SW846-8260
m,p-Xylene	U	0.01	mg/L	0.01	SW846-8260
Methylene chloride	U	0.01	mg/L	0.01	SW846-8260
Styrene	U	0.005	mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L	0.005	SW846-8260
Toluene	U	0.005	mg/L	0.005	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Trichloroethene	U	0.001	mg/L	0.001	SW846-8260
<b>WETCHEM</b>					
Cyanide	NUX	0.02	mg/L	0.02	SW846-9014



005-021

ERI99-W3-5-2

WAG 3 - SWMU 5 - Phase II

005021WA085-45

Collected: 12/20/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium	B	0.103	mg/L		0.05	SW846-6010A
Beryllium	BU	0.01	mg/L		0.01	SW846-6010A
Calcium		23.8	mg/L		1	SW846-6010A
Chromium	BU	0.05	mg/L		0.05	SW846-6010A
Cobalt		0.014	mg/L		0.01	SW846-6010A
Copper	BU	0.05	mg/L		0.05	SW846-6010A
Iron	U	0.2	mg/L		0.2	SW846-6010A
Magnesium		8.99	mg/L		0.05	SW846-6010A
Manganese		0.953	mg/L		0.05	SW846-6010A
Mercury	UW	0.0002	mg/L		0.0002	SW846-7470
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Potassium	U	2	mg/L		2	SW846-6010A
Sodium		28.8	mg/L		2	SW846-6010A
Vanadium	U	0.05	mg/L		0.05	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A

005021WA085-5

Collected: 12/20/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum		3.28	mg/L		0.2	SW846-6010A
Barium	B	0.119	mg/L		0.05	SW846-6010A
Beryllium	BU	0.01	mg/L		0.01	SW846-6010A
Calcium		25.4	mg/L		1	SW846-6010A
Chromium	BU	0.05	mg/L		0.05	SW846-6010A
Cobalt		0.014	mg/L		0.01	SW846-6010A
Copper	BU	0.05	mg/L		0.05	SW846-6010A
Iron		1.84	mg/L		0.2	SW846-6010A
Magnesium		9.71	mg/L		0.05	SW846-6010A
Manganese		1.05	mg/L		0.05	SW846-6010A
Mercury	UW	0.0002	mg/L		0.0002	SW846-7470
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Potassium	U	2	mg/L		2	SW846-6010A
Sodium		30.5	mg/L		2	SW846-6010A
Vanadium	U	0.05	mg/L		0.05	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A

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005-022

ERI99-W3-5-2

WAG 3 - SWMU 5 - Phase II

005022WA085

Collected: 1/6/2000

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	N	12.3	mg/L		0.2	SW846-6010A
Barium	N	0.161	mg/L		0.05	SW846-6010A
Beryllium	BNU	0.01	mg/L		0.01	SW846-6010A
Cadmium	NU	0.01	mg/L		0.01	SW846-6010A
Calcium	N	21.6	mg/L		1	SW846-6010A
Chromium	N	0.404	mg/L		0.05	SW846-6010A
Cobalt	N	0.03	mg/L		0.01	SW846-6010A
Copper	N	0.085	mg/L		0.05	SW846-6010A
Iron	N	62.6	mg/L		0.2	SW846-6010A
Magnesium	N	8.74	mg/L		0.05	SW846-6010A
Manganese	N	1.44	mg/L		0.05	SW846-6010A
Mercury	UW	0.0002	mg/L		0.0002	SW846-7470
Nickel		0.129	mg/L		0.05	SW846-6010A
Potassium	N	2.58	mg/L		2	SW846-6010A
Selenium	NUW	0.005	mg/L		0.005	SW846-7740
Silver	BNU	0.05	mg/L		0.05	SW846-6010A
Sodium	N	34.5	mg/L		2	SW846-6010A
Thallium	NU	0.2	mg/L		0.2	SW846-6010A
Vanadium	NU	0.05	mg/L		0.05	SW846-6010A
Zinc	NU	0.2	mg/L		0.2	SW846-6010A
<b>PCCB</b>						
PCB-1016	JU	0.00016	mg/L		0.0002	SW846-8082
PCB-1221	JU	0.00016	mg/L		0.0002	SW846-8082
PCB-1232	JU	0.00014	mg/L		0.0001	SW846-8082
PCB-1242	JU	0.00015	mg/L		0.0002	SW846-8082
PCB-1248	JU	0.00015	mg/L		0.0002	SW846-8082
PCB-1254	JU	0.00012	mg/L		0.0001	SW846-8082
PCB-1260	JU	0.00016	mg/L		0.0002	SW846-8082
PCB-1268	JU	0.00008	mg/L		8E-05	SW846-8082
Polychlorinated biphenyl	JU	0.00016	mg/L		0.0002	SW846-8082
<b>RADS</b>						
Alpha activity	B	4.94	pCi/L	2.26	3.81	EPA-900.0
Americium-241	U	11.2	pCi/L	22.4	75.7	RL-7124
Beta activity		11.31	pCi/L	2.14	7.6	EPA-900.0
Neptunium-237	U	1.94	pCi/L	3.88	44	RL-7124
Plutonium-239/240	A	-0.0651	pCi/L	0.157	0.931	RL-7120
Radon	U	159	pCi/L	65.3	180	RL-7104
Technetium-99	U	4.29	pCi/L	11.4	16.5	RL-7100
Thorium-234	U	-224	pCi/L	449	468	RL-7124
<b>SVOA</b>						
1,2,4-Trichlorobenzene	U	0.005	mg/L	0	0.005	SW846-8270
1,2-Dichlorobenzene	U	0.005	mg/L	0	0.005	SW846-8270
1,3-Dichlorobenzene	U	0.005	mg/L	0	0.005	SW846-8270
1,4-Dichlorobenzene	U	0.005	mg/L	0	0.005	SW846-8270
2,4,5-Trichlorophenol	U	0.005	mg/L	0	0.005	SW846-8270
2,4,6-Trichlorophenol	U	0.005	mg/L	0	0.005	SW846-8270
2,4-Dichlorophenol	U	0.005	mg/L	0	0.005	SW846-8270
2,4-Dimethylphenol	U	0.005	mg/L	0	0.005	SW846-8270
2,4-Dinitrophenol	U	0.005	mg/L	0	0.005	SW846-8270

## 005-022

## ERI99-W3-5-2

## WAG 3 - SWMU 5 - Phase II

2,4-Dinitrotoluene	U	0.005	mg/L	0	0.005	SW846-8270
2,6-Dinitrotoluene	U	0.005	mg/L	0	0.005	SW846-8270
2-Chloronaphthalene	U	0.005	mg/L	0	0.005	SW846-8270
2-Chlorophenol	U	0.005	mg/L	0	0.005	SW846-8270
2-Methyl-4,6-dinitrophenol	U	0.005	mg/L	0	0.005	SW846-8270
2-Methylnaphthalene	U	0.005	mg/L	0	0.005	SW846-8270
2-Methylphenol	U	0.005	mg/L	0	0.005	SW846-8270
2-Nitrobenzenamine	U	0.005	mg/L	0	0.005	SW846-8270
2-Nitrophenol	U	0.005	mg/L	0	0.005	SW846-8270
3,3'-Dichlorobenzidine	U	0.005	mg/L	0	0.005	SW846-8270
3-Nitrobenzenamine	U	0.005	mg/L	0	0.005	SW846-8270
4-Bromophenyl phenyl ether	U	0.005	mg/L	0	0.005	SW846-8270
4-Chloro-3-methylphenol	U	0.005	mg/L	0	0.005	SW846-8270
4-Chlorobenzenamine	U	0.005	mg/L	0	0.005	SW846-8270
4-Chlorophenyl phenyl ether	U	0.005	mg/L	0	0.005	SW846-8270
4-Methylphenol	U	0.005	mg/L	0	0.005	SW846-8270
4-Nitrobenzenamine	U	0.005	mg/L	0	0.005	SW846-8270
4-Nitrophenol	U	0.005	mg/L	0	0.005	SW846-8270
Acenaphthene	U	0.005	mg/L	0	0.005	SW846-8270
Acenaphthylene	U	0.005	mg/L	0	0.005	SW846-8270
Anthracene	U	0.005	mg/L	0	0.005	SW846-8270
Benz(a)anthracene	U	0.005	mg/L	0	0.005	SW846-8270
Benzo(a)pyrene	U	0.005	mg/L	0	0.005	SW846-8270
Benzo(b)fluoranthene	U	0.005	mg/L	0	0.005	SW846-8270
Benzo(ghi)perylene	U	0.005	mg/L	0	0.005	SW846-8270
Benzo(k)fluoranthene	U	0.005	mg/L	0	0.005	SW846-8270
Bis(2-chloroethoxy)methane	U	0.005	mg/L	0	0.005	SW846-8270
Bis(2-chloroethyl) ether	U	0.005	mg/L	0	0.005	SW846-8270
Bis(2-chloroisopropyl) ether	U	0.005	mg/L	0	0.005	SW846-8270
Bis(2-ethylhexyl)phthalate	U	0.005	mg/L	0	0.005	SW846-8270
Butyl benzyl phthalate	U	0.005	mg/L	0	0.005	SW846-8270
Carbazole	U	0.005	mg/L	0	0.005	SW846-8270
Chrysene	U	0.005	mg/L	0	0.005	SW846-8270
Dibenz(a,h)anthracene	U	0.005	mg/L	0	0.005	SW846-8270
Dibenzofuran	U	0.005	mg/L	0	0.005	SW846-8270
Diethyl phthalate	U	0.005	mg/L	0	0.005	SW846-8270
Dimethyl phthalate	U	0.005	mg/L	0	0.005	SW846-8270
Di-n-butyl phthalate	U	0.005	mg/L	0	0.005	SW846-8270
Di-n-octylphthalate	U	0.005	mg/L	0	0.005	SW846-8270
Fluoranthene	U	0.005	mg/L	0	0.005	SW846-8270
Fluorene	U	0.005	mg/L	0	0.005	SW846-8270
Hexachlorobenzene	U	0.005	mg/L	0	0.005	SW846-8270
Hexachlorobutadiene	U	0.005	mg/L	0	0.005	SW846-8270
Hexachlorocyclopentadiene	U	0.005	mg/L	0	0.005	SW846-8270
Hexachloroethane	U	0.005	mg/L	0	0.005	SW846-8270
Indeno(1,2,3-cd)pyrene	U	0.005	mg/L	0	0.005	SW846-8270
Isophorone	U	0.005	mg/L	0	0.005	SW846-8270
Naphthalene	U	0.005	mg/L	0	0.005	SW846-8270
Nitrobenzene	U	0.005	mg/L	0	0.005	SW846-8270
N-Nitroso-di-n-propylamine	U	0.005	mg/L	0	0.005	SW846-8270
N-Nitrosodiphenylamine	U	0.005	mg/L	0	0.005	SW846-8270
Pentachlorophenol	U	0.005	mg/L	0	0.005	SW846-8270
Phenanthrene	U	0.005	mg/L	0	0.005	SW846-8270
Phenol	U	0.005	mg/L	0	0.005	SW846-8270
Pyrene	U	0.005	mg/L	0	0.005	SW846-8270

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WAG 3 - SWMU 5 - Phase II

Pyridine	UY	0.005	mg/L	0	0.005	SW846-8270
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dimethylbenzene	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
m,p-Xylene	U	0.01	mg/L		0.01	SW846-8260
Methylene chloride	U	0.01	mg/L		0.01	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene		0.029	mg/L		0.001	SW846-8260
<b>WETCHEM</b>						
Cyanide	UX	0.02	mg/L		0.02	SW846-9014

005022WA085-45

Collected: 1/6/2000

Media Type: WG

Sample Type: REG

Analysis	Qualifiers*	Results	Units	Counting Error (+/-)	Detect Limit	Method
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium	BU	0.05	mg/L		0.05	SW846-6010A
Calcium		21.3	mg/L		1	SW846-6010A
Chromium	BU	0.05	mg/L		0.05	SW846-6010A
Cobalt		0.023	mg/L		0.01	SW846-6010A
Copper	BU	0.05	mg/L		0.05	SW846-6010A
Iron		2.75	mg/L		0.2	SW846-6010A
Magnesium		8.45	mg/L		0.05	SW846-6010A
Manganese		1.18	mg/L		0.05	SW846-6010A
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Potassium	U	2	mg/L		2	SW846-6010A
Sodium		38	mg/L		2	SW846-6010A

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ERI99-W3-5-2

WAG 3 - SWMU 5 - Phase II

005022WA085-5

Collected: 1/6/2000

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium	BU	0.05	mg/L		0.05	SW846-6010A
Calcium		21.2	mg/L		1	SW846-6010A
Chromium	BU	0.05	mg/L		0.05	SW846-6010A
Cobalt		0.022	mg/L		0.01	SW846-6010A
Copper	BU	0.05	mg/L		0.05	SW846-6010A
Iron		2.65	mg/L		0.2	SW846-6010A
Magnesium		8.4	mg/L		0.05	SW846-6010A
Manganese		1.14	mg/L		0.05	SW846-6010A
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Potassium	U	2	mg/L		2	SW846-6010A
Sodium		37.8	mg/L		2	SW846-6010A

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**006-009**  
**ERI99-W3-6**  
**006009WA039**

## WAG 3 - SWMU 6

Collected: 8/6/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>RADS</b>						
Alpha activity		6	pCi/L	2.3	2.9	SW846-9310
Beta activity		6.3	pCi/L	1.5	2.2	SW846-9310
Technetium-99	U	9.1	pCi/L	8.5	14	DNT
<b>VOA</b>						
1,1-Dichloroethene	U	0.001	mg/L		0.001	SW846-8021 M
cis-1,2-Dichloroethene	U	0.001	mg/L		0.001	SW846-8021 M
trans-1,2-Dichloroethene	U	0.001	mg/L		0.001	SW846-8021 M
Trichloroethene	U	0.001	mg/L		0.001	SW846-8021 M
Vinyl chloride	U	0.001	mg/L		0.001	SW846-8021 M

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**006-011**

**ERI99-W3-6**

**WAG 3 - SWMU 6**

**006011WA009**

Collected: 8/5/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum		29.2	mg/L		0.2	SW846-6010A
Barium		0.134	mg/L		0.05	SW846-6010A
Beryllium	BU	0.005	mg/L		0.005	SW846-6010A
Cadmium	U	0.01	mg/L		0.01	SW846-6010A
Calcium		29.1	mg/L		0.5	SW846-6010A
Chromium	BU	0.05	mg/L		0.05	SW846-6010A
Cobalt	U	0.01	mg/L		0.01	SW846-6010A
Copper	BU	0.05	mg/L		0.05	SW846-6010A
Iron		17.6	mg/L		0.2	SW846-6010A
Magnesium		2.81	mg/L		0.05	SW846-6010A
Manganese		0.43	mg/L		0.05	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Potassium		29.5	mg/L		2	SW846-6010A
Selenium	U	0.005	mg/L		0.005	SW846-7740
Silver	BU	0.05	mg/L		0.05	SW846-6010A
Sodium		67.2	mg/L		2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Vanadium	U	0.1	mg/L		0.1	SW846-6010A
Zinc	BU	0.2	mg/L		0.2	SW846-6010A
<b>PCCB</b>						
PCB-1016		0.255	mg/L		0.1	SW846-8082 M
PCB-1221	U	0.1	mg/L		0.1	SW846-8082 M
PCB-1232	U	0.1	mg/L		0.1	SW846-8082 M
<b>RADS</b>						
Alpha activity	U	2.7	pCi/L	8.2	14	SW846-9310
Americium-241	A	-3.88	pCi/L	7.76	88.3	RL-7124
Beta activity		1500	pCi/L	13	3	SW846-9310
Neptunium-237		219	pCi/L	62.9	49	RL-7124
Plutonium-239/240	A	-0.181	pCi/L	0.187	1.2	RL-7120
Technetium-99		1810	pCi/L	32	17	DNT
Thorium-234		1540	pCi/L	3080	742	RL-7124
Uranium		2320	pCi/L	2140	1040	RL-7124
Uranium-234		754	pCi/L	697	336	RL-7124
Uranium-235		0.46	wt %	0.04		RL-7124
Uranium-238		1520	pCi/L	980	674	RL-7124
<b>SVOA</b>						
1,2,4-Trichlorobenzene	U	0.02	mg/L		0.02	SW846-8270 M
1,2-Dichlorobenzene	U	0.02	mg/L		0.02	SW846-8270 M
1,3-Dichlorobenzene	U	0.02	mg/L		0.02	SW846-8270 M
1,4-Dichlorobenzene	U	0.02	mg/L		0.02	SW846-8270 M
2,4,5-Trichlorophenol	U	0.02	mg/L		0.02	SW846-8270 M
2,4,6-Trichlorophenol	U	0.02	mg/L		0.02	SW846-8270 M
2,4-Dichlorophenol	U	0.02	mg/L		0.02	SW846-8270 M
2,4-Dimethylphenol	U	0.02	mg/L		0.02	SW846-8270 M
2,4-Dinitrophenol	U	0.02	mg/L		0.02	SW846-8270 M
2,4-Dinitrotoluene	U	0.02	mg/L		0.02	SW846-8270 M
2,6-Dinitrotoluene	U	0.02	mg/L		0.02	SW846-8270 M
2-Chloronaphthalene	U	0.02	mg/L		0.02	SW846-8270 M

## 006-011

## ERI99-W3-6

## WAG 3 - SWMU 6

2-Chlorophenol	U	0.02	mg/L	0.02	SW846-8270 M
2-Methyl-4,6-dinitrophenol	U	0.02	mg/L	0.02	SW846-8270 M
2-Methylnaphthalene	U	0.02	mg/L	0.02	SW846-8270 M
2-Methylphenol	U	0.02	mg/L	0.02	SW846-8270 M
2-Nitrobenzenamine	U	0.02	mg/L	0.02	SW846-8270 M
2-Nitrophenol	U	0.02	mg/L	0.02	SW846-8270 M
3,3'-Dichlorobenzidine	U	0.02	mg/L	0.02	SW846-8270 M
3-Nitrobenzenamine	U	0.02	mg/L	0.02	SW846-8270 M
4-Bromophenyl phenyl ether	U	0.02	mg/L	0.02	SW846-8270 M
4-Chloro-3-methylphenol	U	0.02	mg/L	0.02	SW846-8270 M
4-Chlorobenzenamine	U	0.02	mg/L	0.02	SW846-8270 M
4-Chlorophenyl phenyl ether	U	0.02	mg/L	0.02	SW846-8270 M
4-Methylphenol	U	0.02	mg/L	0.02	SW846-8270 M
4-Nitrobenzenamine	U	0.02	mg/L	0.02	SW846-8270 M
4-Nitrophenol	U	0.02	mg/L	0.02	SW846-8270 M
Acenaphthene	U	0.02	mg/L	0.02	SW846-8270 M
Acenaphthylene	U	0.02	mg/L	0.02	SW846-8270 M
Anthracene	U	0.02	mg/L	0.02	SW846-8270 M
Benz(a)anthracene	U	0.02	mg/L	0.02	SW846-8270 M
Benzo(a)pyrene	U	0.02	mg/L	0.02	SW846-8270 M
Benzo(b)fluoranthene	U	0.02	mg/L	0.02	SW846-8270 M
Benzo(ghi)perylene	U	0.02	mg/L	0.02	SW846-8270 M
Benzo(k)fluoranthene	U	0.02	mg/L	0.02	SW846-8270 M
Bis(2-chloroethoxy)methane	U	0.02	mg/L	0.02	SW846-8270 M
Bis(2-chloroethyl) ether	U	0.02	mg/L	0.02	SW846-8270 M
Bis(2-chloroisopropyl) ether	U	0.02	mg/L	0.02	SW846-8270 M
Bis(2-ethylhexyl)phthalate	U	0.02	mg/L	0.02	SW846-8270 M
Butyl benzyl phthalate	U	0.02	mg/L	0.02	SW846-8270 M
Carbazole	U	0.02	mg/L	0.02	SW846-8270 M
Chrysene	U	0.02	mg/L	0.02	SW846-8270 M
Dibenz(a,h)anthracene	U	0.02	mg/L	0.02	SW846-8270 M
Dibenzofuran	U	0.02	mg/L	0.02	SW846-8270 M
Diethyl phthalate	U	0.02	mg/L	0.02	SW846-8270 M
Dimethyl phthalate	U	0.02	mg/L	0.02	SW846-8270 M
Di-n-butyl phthalate	U	0.02	mg/L	0.02	SW846-8270 M
Di-n-octylphthalate	U	0.02	mg/L	0.02	SW846-8270 M
Fluoranthene	U	0.02	mg/L	0.02	SW846-8270 M
Fluorene	U	0.02	mg/L	0.02	SW846-8270 M
Hexachlorobenzene	U	0.02	mg/L	0.02	SW846-8270 M
Hexachlorobutadiene	U	0.02	mg/L	0.02	SW846-8270 M
Hexachlorocyclopentadiene	U	0.02	mg/L	0.02	SW846-8270 M
Hexachloroethane	U	0.02	mg/L	0.02	SW846-8270 M
Indeno(1,2,3-cd)pyrene	U	0.02	mg/L	0.02	SW846-8270 M
Isophorone	U	0.02	mg/L	0.02	SW846-8270 M
Naphthalene	U	0.02	mg/L	0.02	SW846-8270 M
Nitrobenzene	U	0.02	mg/L	0.02	SW846-8270 M
N-Nitroso-di-n-propylamine	U	0.02	mg/L	0.02	SW846-8270 M
N-Nitrosodiphenylamine	U	0.02	mg/L	0.02	SW846-8270 M
Pentachlorophenol	U	0.02	mg/L	0.02	SW846-8270 M
Phenanthrene	U	0.02	mg/L	0.02	SW846-8270 M
Phenol	U	0.02	mg/L	0.02	SW846-8270 M
Pyrene	U	0.02	mg/L	0.02	SW846-8270 M
<b>VOA</b>					
1,1-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
cis-1,2-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M



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ERI99-W3-6

WAG 3 - SWMU 6

trans-1,2-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
Trichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
Vinyl chloride	U	0.001	mg/L	0.001	SW846-8021 M
<b>WETCHEM</b>					
Cyanide	UX	0.02	mg/L	0.02	SW846-9014

006011WA009-45

Collected: 8/5/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum		4.68	mg/L		0.2	SW846-6010A
Barium	BU	0.05	mg/L		0.05	SW846-6010A
Calcium		2.38	mg/L		0.5	SW846-6010A
Iron	U	0.2	mg/L		0.2	SW846-6010A
Magnesium		0.088	mg/L		0.05	SW846-6010A
Manganese	BU	0.05	mg/L		0.05	SW846-6010A
Potassium	N	28.7	mg/L		2	SW846-6010A
Sodium	N	70.4	mg/L		2	SW846-6010A

006011WA009-5

Collected: 8/5/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	N	6.86	mg/L		0.2	SW846-6010A
Barium	U	0.05	mg/L		0.05	SW846-6010A
Calcium		2.78	mg/L		0.5	SW846-6010A
Iron	BN	1.67	mg/L		0.2	SW846-6010A
Magnesium		0.239	mg/L		0.05	SW846-6010A
Manganese	U	0.05	mg/L		0.05	SW846-6010A
Potassium	N	29.5	mg/L		2	SW846-6010A
Sodium	N	70.2	mg/L		2	SW846-6010A

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ERI99-W3-6

WAG 3 - SWMU 6

006012WA009

Collected: 8/5/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum		91.3	mg/L		0.2	SW846-6010A
Arsenic		0.005	mg/L		0.005	SW846-7060
Barium		0.683	mg/L		0.05	SW846-6010A
Beryllium	BU	0.005	mg/L		0.005	SW846-6010A
Cadmium	U	0.01	mg/L		0.01	SW846-6010A
Calcium		36.5	mg/L		0.5	SW846-6010A
Chromium		0.087	mg/L		0.05	SW846-6010A
Cobalt		0.028	mg/L		0.01	SW846-6010A
Copper		0.052	mg/L		0.05	SW846-6010A
Iron		65.3	mg/L		0.2	SW846-6010A
Magnesium		10.1	mg/L		0.05	SW846-6010A
Manganese		1.98	mg/L		0.05	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel		0.061	mg/L		0.05	SW846-6010A
Potassium		37.9	mg/L		2	SW846-6010A
Selenium	U	0.005	mg/L		0.005	SW846-7740
Silver	BU	0.05	mg/L		0.05	SW846-6010A
Sodium		79.6	mg/L		2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Vanadium		0.137	mg/L		0.1	SW846-6010A
Zinc	B	0.259	mg/L		0.2	SW846-6010A
<b>PCCB</b>						
PCB-1016	J	0.053	mg/L		0.1	SW846-8082 M
PCB-1221	U	0.1	mg/L		0.1	SW846-8082 M
PCB-1232	U	0.1	mg/L		0.1	SW846-8082 M
<b>RADS</b>						
Alpha activity		36	pCi/L	17	27	SW846-9310
Americium-241	A	-2.13	pCi/L	4.26	76.2	RL-7124
Beta activity		2110	pCi/L	27	8.1	SW846-9310
Neptunium-237	A	27.9	pCi/L	55.7	57.5	RL-7124
Plutonium-239/240	A	-0.213	pCi/L	0.191	1.21	RL-7120
Technetium-99		2920	pCi/L	41	24	DNT
Thorium-234	A	37.5	pCi/L	75.1	529	RL-7124
<b>SVOA</b>						
1,2,4-Trichlorobenzene	U	0.02	mg/L		0.02	SW846-8270 M
1,2-Dichlorobenzene	U	0.02	mg/L		0.02	SW846-8270 M
1,3-Dichlorobenzene	U	0.02	mg/L		0.02	SW846-8270 M
1,4-Dichlorobenzene	U	0.02	mg/L		0.02	SW846-8270 M
2,4,5-Trichlorophenol	U	0.02	mg/L		0.02	SW846-8270 M
2,4,6-Trichlorophenol	U	0.02	mg/L		0.02	SW846-8270 M
2,4-Dichlorophenol	U	0.02	mg/L		0.02	SW846-8270 M
2,4-Dimethylphenol	U	0.02	mg/L		0.02	SW846-8270 M
2,4-Dinitrotoluene	U	0.02	mg/L		0.02	SW846-8270 M
2,6-Dinitrotoluene	U	0.02	mg/L		0.02	SW846-8270 M
2-Chloronaphthalene	U	0.02	mg/L		0.02	SW846-8270 M
2-Chlorophenol	U	0.02	mg/L		0.02	SW846-8270 M
2-Methyl-4,6-dinitrophenol	U	0.02	mg/L		0.02	SW846-8270 M
2-Methylnaphthalene	U	0.02	mg/L		0.02	SW846-8270 M
2-Methylphenol	U	0.02	mg/L		0.02	SW846-8270 M

## 006-012

## ERI99-W3-6

## WAG 3 - SWMU 6

2-Nitrobenzenamine	U	0.02	mg/L	0.02	SW846-8270 M
2-Nitrophenol	U	0.02	mg/L	0.02	SW846-8270 M
3,3'-Dichlorobenzidine	U	0.02	mg/L	0.02	SW846-8270 M
3-Nitrobenzenamine	U	0.02	mg/L	0.02	SW846-8270 M
4-Bromophenyl phenyl ether	U	0.02	mg/L	0.02	SW846-8270 M
4-Chloro-3-methylphenol	U	0.02	mg/L	0.02	SW846-8270 M
4-Chlorobenzenamine	U	0.02	mg/L	0.02	SW846-8270 M
4-Chlorophenyl phenyl ether	U	0.02	mg/L	0.02	SW846-8270 M
4-Methylphenol	U	0.02	mg/L	0.02	SW846-8270 M
4-Nitrobenzenamine	U	0.02	mg/L	0.02	SW846-8270 M
4-Nitrophenol	U	0.02	mg/L	0.02	SW846-8270 M
Acenaphthene	U	0.02	mg/L	0.02	SW846-8270 M
Acenaphthylene	U	0.02	mg/L	0.02	SW846-8270 M
Anthracene	U	0.02	mg/L	0.02	SW846-8270 M
Benz(a)anthracene	U	0.02	mg/L	0.02	SW846-8270 M
Benzo(a)pyrene	U	0.02	mg/L	0.02	SW846-8270 M
Benzo(b)fluoranthene	U	0.02	mg/L	0.02	SW846-8270 M
Benzo(ghi)perylene	U	0.02	mg/L	0.02	SW846-8270 M
Benzo(k)fluoranthene	U	0.02	mg/L	0.02	SW846-8270 M
Bis(2-chloroethoxy)methane	U	0.02	mg/L	0.02	SW846-8270 M
Bis(2-chloroethyl) ether	U	0.02	mg/L	0.02	SW846-8270 M
Bis(2-chloroisopropyl) ether	U	0.02	mg/L	0.02	SW846-8270 M
Bis(2-ethylhexyl)phthalate	U	0.02	mg/L	0.02	SW846-8270 M
Carbazole	U	0.02	mg/L	0.02	SW846-8270 M
Chrysene	U	0.02	mg/L	0.02	SW846-8270 M
Dibenz(a,h)anthracene	U	0.02	mg/L	0.02	SW846-8270 M
Dibenzofuran	U	0.02	mg/L	0.02	SW846-8270 M
Diethyl phthalate	U	0.02	mg/L	0.02	SW846-8270 M
Dimethyl phthalate	U	0.02	mg/L	0.02	SW846-8270 M
Di-n-butyl phthalate	U	0.02	mg/L	0.02	SW846-8270 M
Di-n-octylphthalate	U	0.02	mg/L	0.02	SW846-8270 M
Fluoranthene	U	0.02	mg/L	0.02	SW846-8270 M
Fluorene	U	0.02	mg/L	0.02	SW846-8270 M
Hexachlorobenzene	U	0.02	mg/L	0.02	SW846-8270 M
Hexachlorobutadiene	U	0.02	mg/L	0.02	SW846-8270 M
Hexachlorocyclopentadiene	U	0.02	mg/L	0.02	SW846-8270 M
Hexachloroethane	U	0.02	mg/L	0.02	SW846-8270 M
Indeno(1,2,3-cd)pyrene	U	0.02	mg/L	0.02	SW846-8270 M
Isophorone	U	0.02	mg/L	0.02	SW846-8270 M
Naphthalene	U	0.02	mg/L	0.02	SW846-8270 M
Nitrobenzene	U	0.02	mg/L	0.02	SW846-8270 M
N-Nitroso-di-n-propylamine	U	0.02	mg/L	0.02	SW846-8270 M
N-Nitrosodiphenylamine	U	0.02	mg/L	0.02	SW846-8270 M
Pentachlorophenol	U	0.02	mg/L	0.02	SW846-8270 M
Phenanthrene	U	0.02	mg/L	0.02	SW846-8270 M
Phenol	U	0.02	mg/L	0.02	SW846-8270 M
Pyrene	U	0.02	mg/L	0.02	SW846-8270 M
<b>VOA</b>					
1,1-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
cis-1,2-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
trans-1,2-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
Trichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
Vinyl chloride	U	0.001	mg/L	0.001	SW846-8021 M
<b>WETCHEM</b>					
Cyanide	UX	0.02	mg/L	0.02	SW846-9014

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006-012

ERI99-W3-6

WAG 3 - SWMU 6

006012WA009-45

Collected: 8/5/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum		4.43	mg/L		0.2	SW846-6010A
Barium	U	0.05	mg/L		0.05	SW846-6010A
Calcium		3.25	mg/L		0.5	SW846-6010A
Chromium	U	0.05	mg/L		0.05	SW846-6010A
Cobalt	U	0.01	mg/L		0.01	SW846-6010A
Copper	U	0.05	mg/L		0.05	SW846-6010A
Iron	U	0.2	mg/L		0.2	SW846-6010A
Magnesium		0.118	mg/L		0.05	SW846-6010A
Manganese	BU	0.05	mg/L		0.05	SW846-6010A
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Potassium	N	29	mg/L		2	SW846-6010A
Sodium	N	84.4	mg/L		2	SW846-6010A
Vanadium	U	0.1	mg/L		0.1	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A

006012WA009-5

Collected: 8/5/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	N	6.26	mg/L		0.2	SW846-6010A
Barium	U	0.05	mg/L		0.05	SW846-6010A
Calcium		3.11	mg/L		0.5	SW846-6010A
Chromium	U	0.05	mg/L		0.05	SW846-6010A
Cobalt	U	0.01	mg/L		0.01	SW846-6010A
Copper	U	0.05	mg/L		0.05	SW846-6010A
Iron	BN	1.28	mg/L		0.2	SW846-6010A
Magnesium		0.239	mg/L		0.05	SW846-6010A
Manganese		0.061	mg/L		0.05	SW846-6010A
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Potassium	N	30.4	mg/L		2	SW846-6010A
Sodium	N	83.2	mg/L		2	SW846-6010A
Vanadium	U	0.1	mg/L		0.1	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A

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006-016

ERI99-W3-6

WAG 3 - SWMU 6

006016WA038

Collected: 7/13/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		315.5	mg/L		2	SW846-9056
Fluoride		0.15	mg/L		0.1	EPA-340.2
Nitrate		5	mg/L		5	SW846-9056
Nitrate as Nitrogen		1.1	mg/L		1	SW846-9056
Orthophosphate	U	6	mg/L		6	SW846-9056
Sulfate	U	5	mg/L		5	SW846-9056
<b>METAL</b>						
Aluminum		62.4	mg/L		0.2	SW846-6010A
Barium		0.496	mg/L		0.05	SW846-6010A
Beryllium	BU	0.005	mg/L		0.005	SW846-6010A
Cadmium	BU	0.01	mg/L		0.01	SW846-6010A
Calcium		76.8	mg/L		0.5	SW846-6010A
Chromium		0.125	mg/L		0.05	SW846-6010A
Cobalt		0.06	mg/L		0.01	SW846-6010A
Copper	U	0.05	mg/L		0.05	SW846-6010A
Iron		78.4	mg/L		0.2	SW846-6010A
Magnesium		30.8	mg/L		0.05	SW846-6010A
Manganese		2.02	mg/L		0.05	SW846-6010A
Mercury	BUW	0.0002	mg/L		0.0002	SW846-7470
Nickel		0.052	mg/L		0.05	SW846-6010A
Potassium		3.24	mg/L		2	SW846-6010A
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Silver	U	0.05	mg/L		0.05	SW846-6010A
Sodium		68.1	mg/L		2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Vanadium		0.162	mg/L		0.1	SW846-6010A
Zinc	BU	0.2	mg/L		0.2	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		224	mg/L		100	EPA-160.2
pH		6.87	none			SW846-9040
Redox		171	mV			SM-2580-B
<b>PCCB</b>						
PCB-1221	U	0.1	mg/L		0.1	SW846-8082 M
PCB-1232	U	0.1	mg/L		0.1	SW846-8082 M
<b>RADS</b>						
Alpha activity	U	-1.9	pCi/L	5.7	10	SW846-9310
Americium-241	A	-31	pCi/L	62.1	70.9	RL-7124
Beta activity		359	pCi/L	7.1	2.7	SW846-9310
Neptunium-237	A	4.11	pCi/L	8.22	50.2	RL-7124
Plutonium-239/240	A	0.0397	pCi/L	0.182	0.982	RL-7120
Technetium-99		690	pCi/L	20	13	DNT
Thorium-234	A	-64.2	pCi/L	128	511	RL-7124
<b>SVOA</b>						
1,2,4-Trichlorobenzene	U	0.02	mg/L		0.02	SW846-8270 M
1,2-Dichlorobenzene	U	0.02	mg/L		0.02	SW846-8270 M
1,3-Dichlorobenzene	U	0.02	mg/L		0.02	SW846-8270 M
1,4-Dichlorobenzene	U	0.02	mg/L		0.02	SW846-8270 M
2,4,5-Trichlorophenol	U	0.02	mg/L		0.02	SW846-8270 M
2,4,6-Trichlorophenol	U	0.02	mg/L		0.02	SW846-8270 M

## 006-016

## ERI99-W3-6

## WAG 3 - SWMU 6

2,4-Dichlorophenol	U	0.02	mg/L	0.02	SW846-8270 M
2,4-Dimethylphenol	U	0.02	mg/L	0.02	SW846-8270 M
2,4-Dinitrotoluene	U	0.02	mg/L	0.02	SW846-8270 M
2,6-Dinitrotoluene	U	0.02	mg/L	0.02	SW846-8270 M
2-Chloronaphthalene	U	0.02	mg/L	0.02	SW846-8270 M
2-Chlorophenol	U	0.02	mg/L	0.02	SW846-8270 M
2-Methyl-4,6-dinitrophenol	U	0.01	mg/L	0.01	SW846-8270 M
2-Methylnaphthalene	U	0.02	mg/L	0.02	SW846-8270 M
2-Methylphenol	U	0.01	mg/L	0.01	SW846-8270 M
2-Nitrobenzenamine	U	0.02	mg/L	0.02	SW846-8270 M
2-Nitrophenol	U	0.02	mg/L	0.02	SW846-8270 M
3,3'-Dichlorobenzidine	U	0.01	mg/L	0.01	SW846-8270 M
3-Nitrobenzenamine	U	0.02	mg/L	0.02	SW846-8270 M
4-Bromophenyl phenyl ether	U	0.01	mg/L	0.01	SW846-8270 M
4-Chloro-3-methylphenol	U	0.02	mg/L	0.02	SW846-8270 M
4-Chlorobenzenamine	U	0.02	mg/L	0.02	SW846-8270 M
4-Chlorophenyl phenyl ether	U	0.01	mg/L	0.01	SW846-8270 M
4-Methylphenol	U	0.01	mg/L	0.01	SW846-8270 M
4-Nitrobenzenamine	U	0.02	mg/L	0.02	SW846-8270 M
4-Nitrophenol	U	0.02	mg/L	0.02	SW846-8270 M
Acenaphthene	U	0.02	mg/L	0.02	SW846-8270 M
Acenaphthylene	U	0.02	mg/L	0.02	SW846-8270 M
Anthracene	U	0.02	mg/L	0.02	SW846-8270 M
Benz(a)anthracene	U	0.02	mg/L	0.02	SW846-8270 M
Benzo(a)pyrene	U	0.02	mg/L	0.02	SW846-8270 M
Benzo(b)fluoranthene	U	0.02	mg/L	0.02	SW846-8270 M
Benzo(ghi)perylene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(k)fluoranthene	U	0.02	mg/L	0.02	SW846-8270 M
Bis(2-chloroethoxy)methane	U	0.02	mg/L	0.02	SW846-8270 M
Bis(2-chloroethyl) ether	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroisopropyl) ether	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-ethylhexyl)phthalate	U	0.02	mg/L	0.02	SW846-8270 M
Carbazole	U	0.02	mg/L	0.02	SW846-8270 M
Chrysene	U	0.02	mg/L	0.02	SW846-8270 M
Dibenz(a,h)anthracene	U	0.02	mg/L	0.02	SW846-8270 M
Dibenzofuran	U	0.02	mg/L	0.02	SW846-8270 M
Diethyl phthalate	U	0.02	mg/L	0.02	SW846-8270 M
Dimethyl phthalate	U	0.02	mg/L	0.02	SW846-8270 M
Di-n-butyl phthalate	U	0.02	mg/L	0.02	SW846-8270 M
Di-n-octylphthalate	U	0.02	mg/L	0.02	SW846-8270 M
Fluoranthene	U	0.02	mg/L	0.02	SW846-8270 M
Fluorene	U	0.02	mg/L	0.02	SW846-8270 M
Hexachlorobenzene	U	0.02	mg/L	0.02	SW846-8270 M
Hexachlorobutadiene	U	0.02	mg/L	0.02	SW846-8270 M
Hexachlorocyclopentadiene	U	0.02	mg/L	0.02	SW846-8270 M
Hexachloroethane	U	0.02	mg/L	0.02	SW846-8270 M
Indeno(1,2,3-cd)pyrene	U	0.02	mg/L	0.02	SW846-8270 M
Isophorone	U	0.02	mg/L	0.02	SW846-8270 M
Naphthalene	U	0.02	mg/L	0.02	SW846-8270 M
Nitrobenzene	U	0.02	mg/L	0.02	SW846-8270 M
N-Nitroso-di-n-propylamine	U	0.02	mg/L	0.02	SW846-8270 M
N-Nitrosodiphenylamine	U	0.02	mg/L	0.02	SW846-8270 M
Pentachlorophenol	U	0.02	mg/L	0.02	SW846-8270 M
Phenanthrene	U	0.02	mg/L	0.02	SW846-8270 M
Phenol	U	0.02	mg/L	0.02	SW846-8270 M

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ERI99-W3-6

WAG 3 - SWMU 6

Pyrene	U	0.02	mg/L	0.02	SW846-8270 M
<b>VOA</b>					
1,1-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
cis-1,2-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
trans-1,2-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
Trichloroethene	J	0.0002	mg/L	0.001	SW846-8021 M
Vinyl chloride	U	0.001	mg/L	0.001	SW846-8021 M
<b>WETCHEM</b>					
Alkalinity		67	mg/L	10	EPA-310.1
Ammonia	U	0.2	mg/L	0.2	EPA-350.2
Carbonate as CaCO3		61	mg/L	10	SM-2320 B 17
Chemical Oxygen Demand (COD)	U	25	mg/L	25	EPA-410.4 1978
Cyanide	U	0.02	mg/L	0.02	SW846-9014
Phosphate as Phosphorous	U	2	mg/L	2	SW846-9056
Silica	J	23	mg/L	1	EPA-370.1
Sulfide	UX	2	mg/L	2	EPA-376.1
Suspended Solids	*	1127	mg/L	10	EPA-160.1
Total Organic Carbon (TOC)		1.9	mg/L	1	SW846-9060

006016WA038-45

Collected: 7/13/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium		0.351	mg/L		0.05	SW846-6010A
Calcium	N	80.1	mg/L		0.5	SW846-6010A
Chromium	U	0.05	mg/L		0.05	SW846-6010A
Cobalt		0.033	mg/L		0.01	SW846-6010A
Iron	N	0.477	mg/L		0.2	SW846-6010A
Magnesium		31.4	mg/L		0.05	SW846-6010A
Manganese		1.07	mg/L		0.05	SW846-6010A
Nickel	BU	0.05	mg/L		0.05	SW846-6010A
Potassium	BU	2	mg/L		2	SW846-6010A
Sodium	N	78.6	mg/L		2	SW846-6010A
Vanadium	U	0.1	mg/L		0.1	SW846-6010A

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**ERI99-W3-6**

**WAG 3 - SWMU 6**

**006016WA038-5**

Collected: 7/13/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium		0.365	mg/L		0.05	SW846-6010A
Calcium	J	83.8	mg/L		0.5	SW846-6010A
Chromium	BU	0.05	mg/L		0.05	SW846-6010A
Cobalt		0.035	mg/L		0.01	SW846-6010A
Iron		0.331	mg/L		0.2	SW846-6010A
Magnesium		31.8	mg/L		0.05	SW846-6010A
Manganese		1.19	mg/L		0.05	SW846-6010A
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Potassium	U	2	mg/L		2	SW846-6010A
Sodium	J	82.7	mg/L		2	SW846-6010A
Vanadium	U	0.1	mg/L		0.1	SW846-6010A



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ERI99-W3-6

WAG 3 - SWMU 6

006017WA038

Collected: 7/14/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum		1.13	mg/L		0.2	SW846-6010A
Barium		0.181	mg/L		0.05	SW846-6010A
Beryllium	BU	0.005	mg/L		0.005	SW846-6010A
Cadmium	BU	0.01	mg/L		0.01	SW846-6010A
Calcium		52.9	mg/L		0.5	SW846-6010A
Chromium	U	0.05	mg/L		0.05	SW846-6010A
Cobalt		0.017	mg/L		0.01	SW846-6010A
Copper	U	0.05	mg/L		0.05	SW846-6010A
Iron		0.869	mg/L		0.2	SW846-6010A
Magnesium		17.4	mg/L		0.05	SW846-6010A
Manganese		1.54	mg/L		0.05	SW846-6010A
Mercury	BUW	0.0002	mg/L		0.0002	SW846-7470
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Potassium	U	2	mg/L		2	SW846-6010A
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Silver	U	0.05	mg/L		0.05	SW846-6010A
Sodium		93.9	mg/L		2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Vanadium	U	0.1	mg/L		0.1	SW846-6010A
Zinc	BU	0.2	mg/L		0.2	SW846-6010A
<b>PCCB</b>						
PCB-1221	U	0.1	mg/L		0.1	SW846-8082 M
PCB-1232	U	0.1	mg/L		0.1	SW846-8082 M
<b>SVOA</b>						
1,2,4-Trichlorobenzene	U	0.02	mg/L		0.02	SW846-8270 M
1,2-Dichlorobenzene	U	0.02	mg/L		0.02	SW846-8270 M
1,3-Dichlorobenzene	U	0.02	mg/L		0.02	SW846-8270 M
1,4-Dichlorobenzene	U	0.02	mg/L		0.02	SW846-8270 M
2,4,5-Trichlorophenol	U	0.02	mg/L		0.02	SW846-8270 M
2,4,6-Trichlorophenol	U	0.02	mg/L		0.02	SW846-8270 M
2,4-Dichlorophenol	U	0.02	mg/L		0.02	SW846-8270 M
2,4-Dimethylphenol	U	0.02	mg/L		0.02	SW846-8270 M
2,4-Dinitrotoluene	U	0.02	mg/L		0.02	SW846-8270 M
2,6-Dinitrotoluene	U	0.02	mg/L		0.02	SW846-8270 M
2-Chloronaphthalene	U	0.02	mg/L		0.02	SW846-8270 M
2-Chlorophenol	U	0.02	mg/L		0.02	SW846-8270 M
2-Methyl-4,6-dinitrophenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Methylnaphthalene	U	0.02	mg/L		0.02	SW846-8270 M
2-Methylphenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Nitrobenzenamine	U	0.02	mg/L		0.02	SW846-8270 M
2-Nitrophenol	U	0.02	mg/L		0.02	SW846-8270 M
3,3'-Dichlorobenzidine	U	0.01	mg/L		0.01	SW846-8270 M
3-Nitrobenzenamine	U	0.02	mg/L		0.02	SW846-8270 M
4-Bromophenyl phenyl ether	U	0.01	mg/L		0.01	SW846-8270 M
4-Chloro-3-methylphenol	U	0.02	mg/L		0.02	SW846-8270 M
4-Chlorobenzenamine	U	0.02	mg/L		0.02	SW846-8270 M
4-Chlorophenyl phenyl ether	U	0.01	mg/L		0.01	SW846-8270 M
4-Methylphenol	U	0.01	mg/L		0.01	SW846-8270 M
4-Nitrobenzenamine	U	0.02	mg/L		0.02	SW846-8270 M

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## ERI99-W3-6

## WAG 3 - SWMU 6

4-Nitrophenol	U	0.02	mg/L	0.02	SW846-8270 M
Acenaphthene	U	0.02	mg/L	0.02	SW846-8270 M
Acenaphthylene	U	0.02	mg/L	0.02	SW846-8270 M
Anthracene	U	0.02	mg/L	0.02	SW846-8270 M
Benz(a)anthracene	U	0.02	mg/L	0.02	SW846-8270 M
Benzo(a)pyrene	U	0.02	mg/L	0.02	SW846-8270 M
Benzo(b)fluoranthene	U	0.02	mg/L	0.02	SW846-8270 M
Benzo(ghi)perylene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(k)fluoranthene	U	0.02	mg/L	0.02	SW846-8270 M
Bis(2-chloroethoxy)methane	U	0.02	mg/L	0.02	SW846-8270 M
Bis(2-chloroethyl) ether	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroisopropyl) ether	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-ethylhexyl)phthalate	U	0.02	mg/L	0.02	SW846-8270 M
Carbazole	U	0.02	mg/L	0.02	SW846-8270 M
Chrysene	U	0.02	mg/L	0.02	SW846-8270 M
Dibenz(a,h)anthracene	U	0.02	mg/L	0.02	SW846-8270 M
Dibenzofuran	U	0.02	mg/L	0.02	SW846-8270 M
Diethyl phthalate	U	0.02	mg/L	0.02	SW846-8270 M
Dimethyl phthalate	U	0.02	mg/L	0.02	SW846-8270 M
Di-n-butyl phthalate	U	0.02	mg/L	0.02	SW846-8270 M
Di-n-octylphthalate	U	0.02	mg/L	0.02	SW846-8270 M
Fluoranthene	U	0.02	mg/L	0.02	SW846-8270 M
Fluorene	U	0.02	mg/L	0.02	SW846-8270 M
Hexachlorobenzene	U	0.02	mg/L	0.02	SW846-8270 M
Hexachlorobutadiene	U	0.02	mg/L	0.02	SW846-8270 M
Hexachlorocyclopentadiene	U	0.02	mg/L	0.02	SW846-8270 M
Hexachloroethane	U	0.02	mg/L	0.02	SW846-8270 M
Indeno(1,2,3-cd)pyrene	U	0.02	mg/L	0.02	SW846-8270 M
Isophorone	U	0.02	mg/L	0.02	SW846-8270 M
Naphthalene	U	0.02	mg/L	0.02	SW846-8270 M
Nitrobenzene	U	0.02	mg/L	0.02	SW846-8270 M
N-Nitroso-di-n-propylamine	U	0.02	mg/L	0.02	SW846-8270 M
N-Nitrosodiphenylamine	U	0.02	mg/L	0.02	SW846-8270 M
Pentachlorophenol	U	0.02	mg/L	0.02	SW846-8270 M
Phenanthrene	U	0.02	mg/L	0.02	SW846-8270 M
Phenol	U	0.02	mg/L	0.02	SW846-8270 M
Pyrene	U	0.02	mg/L	0.02	SW846-8270 M
<b>VOA</b>					
1,1-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
cis-1,2-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
trans-1,2-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
Trichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
Vinyl chloride	U	0.001	mg/L	0.001	SW846-8021 M
<b>WETCHEM</b>					
Cyanide	U	0.02	mg/L	0.02	SW846-9014

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**006-018**

**ERI99-W3-6**

**WAG 3 - SWMU 6**

**006018WA038**

Collected: 7/14/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		261.9	mg/L		2	SW846-9056
Fluoride		0.31	mg/L		0.1	EPA-340.2
Nitrate	U	5	mg/L		5	SW846-9056
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Orthophosphate	U	6	mg/L		6	SW846-9056
Sulfate		43.6	mg/L		5	SW846-9056
<b>METAL</b>						
Aluminum		470	mg/L		0.2	SW846-6010A
Arsenic		0.014	mg/L		0.005	SW846-7060
Barium		2.94	mg/L		0.05	SW846-6010A
Beryllium	B	0.024	mg/L		0.005	SW846-6010A
Cadmium	B	0.015	mg/L		0.01	SW846-6010A
Calcium		456	mg/L		5	SW846-6010A
Chromium		0.678	mg/L		0.05	SW846-6010A
Cobalt		0.378	mg/L		0.01	SW846-6010A
Copper		0.235	mg/L		0.05	SW846-6010A
Iron	*N	652	mg/L		0.2	SW846-6010A
Lead		0.417	mg/L		0.2	SW846-6010A
Magnesium		73.4	mg/L		0.05	SW846-6010A
Manganese		14.4	mg/L		0.05	SW846-6010A
Mercury	BW	0.002	mg/L		0.0002	SW846-7470
Nickel	E	0.05	mg/L		0.05	SW846-6010A
Potassium		19	mg/L		2	SW846-6010A
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Silver	U	0.05	mg/L		0.05	SW846-6010A
Sodium		165	mg/L		2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Vanadium		1.02	mg/L		0.1	SW846-6010A
Zinc		1.02	mg/L		0.2	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		878	mg/L		100	EPA-160.2
pH		6.65	none			SW846-9040
Redox		175	mV			SM-2580-B
<b>PCCB</b>						
PCB-1221	U	0.133	mg/L		0.133	SW846-8082 M
PCB-1232	U	0.133	mg/L		0.133	SW846-8082 M
<b>RADS</b>						
Alpha activity		45.5	pCi/L	6.6	6.3	SW846-9310
Americium-241	A	-2.66	pCi/L	5.32	43.9	RL-7124
Beta activity		64.8	pCi/L	4	4	SW846-9310
Neptunium-237	A	-3.49	pCi/L	6.99	30.2	RL-7124
Plutonium-239/240	A	0.285	pCi/L	0.248	0.993	RL-7120
Technetium-99		55	pCi/L	9.1	13	DNT
Thorium-234		344	pCi/L	688	323	RL-7124
<b>SVOA</b>						
1,2,4-Trichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,2-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,3-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,4-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M

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## ERI99-W3-6

## WAG 3 - SWMU 6

2,4,5-Trichlorophenol	U	0.01	mg/L	0.01	SW846-8270 M
2,4,6-Trichlorophenol	U	0.01	mg/L	0.01	SW846-8270 M
2,4-Dichlorophenol	U	0.01	mg/L	0.01	SW846-8270 M
2,4-Dimethylphenol	U	0.01	mg/L	0.01	SW846-8270 M
2,4-Dinitrophenol	U	0.01	mg/L	0.01	SW846-8270 M
2,4-Dinitrotoluene	U	0.01	mg/L	0.01	SW846-8270 M
2,6-Dinitrotoluene	U	0.01	mg/L	0.01	SW846-8270 M
2-Chloronaphthalene	U	0.01	mg/L	0.01	SW846-8270 M
2-Chlorophenol	U	0.01	mg/L	0.01	SW846-8270 M
2-Methyl-4,6-dinitrophenol	U	0.01	mg/L	0.01	SW846-8270 M
2-Methylnaphthalene	U	0.01	mg/L	0.01	SW846-8270 M
2-Methylphenol	U	0.01	mg/L	0.01	SW846-8270 M
2-Nitrobenzenamine	U	0.01	mg/L	0.01	SW846-8270 M
2-Nitrophenol	U	0.01	mg/L	0.01	SW846-8270 M
3,3'-Dichlorobenzidine	U	0.01	mg/L	0.01	SW846-8270 M
3-Nitrobenzenamine	U	0.01	mg/L	0.01	SW846-8270 M
4-Bromophenyl phenyl ether	U	0.01	mg/L	0.01	SW846-8270 M
4-Chloro-3-methylphenol	U	0.01	mg/L	0.01	SW846-8270 M
4-Chlorobenzenamine	U	0.01	mg/L	0.01	SW846-8270 M
4-Chlorophenyl phenyl ether	U	0.01	mg/L	0.01	SW846-8270 M
4-Methylphenol	U	0.01	mg/L	0.01	SW846-8270 M
4-Nitrobenzenamine	U	0.01	mg/L	0.01	SW846-8270 M
4-Nitrophenol	U	0.01	mg/L	0.01	SW846-8270 M
Acenaphthene	U	0.01	mg/L	0.01	SW846-8270 M
Acenaphthylene	U	0.01	mg/L	0.01	SW846-8270 M
Anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Benz(a)anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(a)pyrene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(b)fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(ghi)perylene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(k)fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroethoxy)methane	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroethyl) ether	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroisopropyl) ether	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-ethylhexyl)phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Butyl benzyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Carbazole	U	0.01	mg/L	0.01	SW846-8270 M
Chrysene	U	0.01	mg/L	0.01	SW846-8270 M
Dibenz(a,h)anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Dibenzofuran	U	0.01	mg/L	0.01	SW846-8270 M
Diethyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Dimethyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Di-n-butyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Di-n-octylphthalate	U	0.01	mg/L	0.01	SW846-8270 M
Fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Fluorene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorobenzene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorobutadiene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorocyclopentadiene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachloroethane	U	0.01	mg/L	0.01	SW846-8270 M
Indeno(1,2,3-cd)pyrene	U	0.01	mg/L	0.01	SW846-8270 M
Isophorone	U	0.01	mg/L	0.01	SW846-8270 M
Naphthalene	U	0.01	mg/L	0.01	SW846-8270 M
Nitrobenzene	U	0.01	mg/L	0.01	SW846-8270 M
N-Nitroso-di-n-propylamine	U	0.01	mg/L	0.01	SW846-8270 M

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ERI99-W3-6

WAG 3 - SWMU 6

N-Nitrosodiphenylamine	U	0.01	mg/L	0.01	SW846-8270 M
Pentachlorophenol	U	0.01	mg/L	0.01	SW846-8270 M
Phenanthrene	U	0.01	mg/L	0.01	SW846-8270 M
Phenol	U	0.01	mg/L	0.01	SW846-8270 M
Pyrene	U	0.01	mg/L	0.01	SW846-8270 M
<b>VOA</b>					
1,1-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
cis-1,2-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
trans-1,2-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
Trichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
Vinyl chloride	U	0.001	mg/L	0.001	SW846-8021 M
<b>WETCHEM</b>					
Alkalinity		388	mg/L	10	EPA-310.1
Ammonia	U	0.2	mg/L	0.2	EPA-350.2
Carbonate as CaCO3		394	mg/L	10	SM-2320 B 17
Chemical Oxygen Demand (COD)	U	25	mg/L	25	EPA-410.4 1978
Cyanide	U	0.02	mg/L	0.02	SW846-9014
Phosphate as Phosphorous	U	2	mg/L	2	SW846-9056
Silica	J	26	mg/L	1	EPA-370.1
Sulfide	UX	2	mg/L	2	EPA-376.1
Suspended Solids		0.0394	mg/L	1E-05	EPA-160.1
Total Organic Carbon (TOC)		5.6	mg/L	1	SW846-9060

006018WA038-45

Collected: 7/14/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium		0.312	mg/L		0.05	SW846-6010A
Beryllium	U	0.005	mg/L		0.005	SW846-6010A
Cadmium	U	0.01	mg/L		0.01	SW846-6010A
Calcium	N	95.7	mg/L		0.5	SW846-6010A
Chromium	U	0.05	mg/L		0.05	SW846-6010A
Cobalt	U	0.01	mg/L		0.01	SW846-6010A
Copper	U	0.05	mg/L		0.05	SW846-6010A
Iron	NU	0.2	mg/L		0.2	SW846-6010A
Magnesium		23.7	mg/L		0.05	SW846-6010A
Manganese		1.54	mg/L		0.05	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Potassium	BU	2	mg/L		2	SW846-6010A
Sodium	N	186	mg/L		2	SW846-6010A
Vanadium	U	0.1	mg/L		0.1	SW846-6010A
Zinc	BU	0.2	mg/L		0.2	SW846-6010A

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**006-018**

**ERI99-W3-6**

**WAG 3 - SWMU 6**

**006018WA038-5**

Collected: 7/14/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium		0.315	mg/L		0.05	SW846-6010A
Beryllium	U	0.005	mg/L		0.005	SW846-6010A
Cadmium	U	0.01	mg/L		0.01	SW846-6010A
Calcium	J	100	mg/L		0.5	SW846-6010A
Chromium	BU	0.05	mg/L		0.05	SW846-6010A
Cobalt		0.011	mg/L		0.01	SW846-6010A
Copper	U	0.05	mg/L		0.05	SW846-6010A
Iron	BU	0.2	mg/L		0.2	SW846-6010A
Magnesium		23.8	mg/L		0.05	SW846-6010A
Manganese		1.55	mg/L		0.05	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Potassium	U	2	mg/L		2	SW846-6010A
Sodium	J	194	mg/L		2	SW846-6010A
Vanadium	U	0.1	mg/L		0.1	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A

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**006-019**

**ERI99-W3-6**

**WAG 3 - SWMU 6**

**006019WA085**

Collected: 2/1/2000

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride	X	268	mg/L		2	SW846-9056
Fluoride		0.25	mg/L		0.1	EPA-340.2
Nitrate		4.4	mg/L		4	SW846-9056
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Orthophosphate	NU	6	mg/L		6	SW846-9056
Sulfate		6.6	mg/L		5	SW846-9056
<b>METAL</b>						
Aluminum	N	36	mg/L		0.2	SW846-6010A
Arsenic	NW	0.006	mg/L		0.005	SW846-7060
Barium		0.512	mg/L		0.05	SW846-6010A
Beryllium	BU	0.01	mg/L		0.01	SW846-6010A
Cadmium	U	0.01	mg/L		0.01	SW846-6010A
Calcium	N	67.3	mg/L		1	SW846-6010A
Chromium		0.649	mg/L		0.05	SW846-6010A
Cobalt		0.045	mg/L		0.01	SW846-6010A
Copper		0.212	mg/L		0.05	SW846-6010A
Iron	N	74.4	mg/L		0.2	SW846-6010A
Magnesium		27.9	mg/L		0.05	SW846-6010A
Manganese	N	2.04	mg/L		0.05	SW846-6010A
Mercury	UW	0.0002	mg/L		0.0002	SW846-7470
Nickel		0.32	mg/L		0.05	SW846-6010A
Potassium		3.57	mg/L		2	SW846-6010A
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Silver	U	0.05	mg/L		0.05	SW846-6010A
Sodium	N	91.3	mg/L		2	SW846-6010A
Thallium	NU	0.2	mg/L		0.2	SW846-6010A
Vanadium		0.068	mg/L		0.05	SW846-6010A
Zinc		0.448	mg/L		0.2	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		705	mg/L		100	EPA-160.2
pH		6.29	none			SW846-9040
Redox	J	207	mV			SM-2580-B
<b>PCCB</b>						
PCB-1016	UX	0.00019	mg/L		0.0002	SW846-8082
PCB-1221	UX	0.00019	mg/L		0.0002	SW846-8082
PCB-1232	UX	0.00017	mg/L		0.0002	SW846-8082
PCB-1242	UX	0.00018	mg/L		0.0002	SW846-8082
PCB-1248	UX	0.00018	mg/L		0.0002	SW846-8082
PCB-1254	UX	0.00012	mg/L		0.0002	SW846-8082
PCB-1260	UX	0.00019	mg/L		0.0002	SW846-8082
PCB-1268	UX	0.0001	mg/L		0.0001	SW846-8082
Polychlorinated biphenyl	UX	0.00019	mg/L		0.0002	SW846-8082
<b>RADS</b>						
Alpha activity		26.33	pCi/L	4.26	10.34	EPA-900.0
Americium-241	U	23	pCi/L	45.9	77.6	RL-7124
Beta activity	M	966.58	pCi/L	30.64	9.94	EPA-900.0
Neptunium-237	U	4.53	pCi/L	9.06	46.4	RL-7124
Plutonium-239/240	A	-0.184	pCi/L	0.218	1.27	RL-7120
Technetium-99		983	pCi/L	32.1	17.9	RL-7100

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ERI99-W3-6

WAG 3 - SWMU 6

Thorium-234	U	-161	pCi/L	322	521	RL-7124
<b>SVOA</b>						
1,2,4-Trichlorobenzene	U	0.005	mg/L		0.005	SW846-8270
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8270
1,3-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8270
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8270
2,4,5-Trichlorophenol	U	0.005	mg/L		0.005	SW846-8270
2,4,6-Trichlorophenol	U	0.005	mg/L		0.005	SW846-8270
2,4-Dichlorophenol	U	0.005	mg/L		0.005	SW846-8270
2,4-Dimethylphenol	U	0.005	mg/L		0.005	SW846-8270
2,4-Dinitrophenol	U	0.005	mg/L		0.005	SW846-8270
2,4-Dinitrotoluene	U	0.005	mg/L		0.005	SW846-8270
2,6-Dinitrotoluene	U	0.005	mg/L		0.005	SW846-8270
2-Chloronaphthalene	U	0.005	mg/L		0.005	SW846-8270
2-Chlorophenol	U	0.005	mg/L		0.005	SW846-8270
2-Methyl-4,6-dinitrophenol	U	0.005	mg/L		0.005	SW846-8270
2-Methylnaphthalene	U	0.005	mg/L		0.005	SW846-8270
2-Methylphenol	U	0.005	mg/L		0.005	SW846-8270
2-Nitrobenzenamine	U	0.005	mg/L		0.005	SW846-8270
2-Nitrophenol	U	0.005	mg/L		0.005	SW846-8270
3,3'-Dichlorobenzidine	U	0.005	mg/L		0.005	SW846-8270
3-Nitrobenzenamine	U	0.005	mg/L		0.005	SW846-8270
4-Bromophenyl phenyl ether	U	0.005	mg/L		0.005	SW846-8270
4-Chloro-3-methylphenol	U	0.005	mg/L		0.005	SW846-8270
4-Chlorobenzenamine	U	0.005	mg/L		0.005	SW846-8270
4-Chlorophenyl phenyl ether	U	0.005	mg/L		0.005	SW846-8270
4-Methylphenol	U	0.005	mg/L		0.005	SW846-8270
4-Nitrobenzenamine	U	0.005	mg/L		0.005	SW846-8270
4-Nitrophenol	U	0.005	mg/L		0.005	SW846-8270
Acenaphthene	U	0.005	mg/L		0.005	SW846-8270
Acenaphthylene	U	0.005	mg/L		0.005	SW846-8270
Anthracene	U	0.005	mg/L		0.005	SW846-8270
Benz(a)anthracene	U	0.005	mg/L		0.005	SW846-8270
Benzo(a)pyrene	U	0.005	mg/L		0.005	SW846-8270
Benzo(b)fluoranthene	U	0.005	mg/L		0.005	SW846-8270
Benzo(ghi)perylene	U	0.005	mg/L		0.005	SW846-8270
Benzo(k)fluoranthene	U	0.005	mg/L		0.005	SW846-8270
Bis(2-chloroethoxy)methane	U	0.005	mg/L		0.005	SW846-8270
Bis(2-chloroethyl) ether	U	0.005	mg/L		0.005	SW846-8270
Bis(2-chloroisopropyl) ether	U	0.005	mg/L		0.005	SW846-8270
Bis(2-ethylhexyl)phthalate	U	0.005	mg/L		0.005	SW846-8270
Butyl benzyl phthalate	U	0.005	mg/L		0.005	SW846-8270
Carbazole	U	0.005	mg/L		0.005	SW846-8270
Chrysene	U	0.005	mg/L		0.005	SW846-8270
Dibenz(a,h)anthracene	U	0.005	mg/L		0.005	SW846-8270
Dibenzofuran	U	0.005	mg/L		0.005	SW846-8270
Diethyl phthalate	U	0.005	mg/L		0.005	SW846-8270
Dimethyl phthalate	U	0.005	mg/L		0.005	SW846-8270
Di-n-butyl phthalate	U	0.005	mg/L		0.005	SW846-8270
Di-n-octylphthalate	U	0.005	mg/L		0.005	SW846-8270
Fluoranthene	U	0.005	mg/L		0.005	SW846-8270
Fluorene	U	0.005	mg/L		0.005	SW846-8270
Hexachlorobenzene	U	0.005	mg/L		0.005	SW846-8270
Hexachlorobutadiene	U	0.005	mg/L		0.005	SW846-8270
Hexachlorocyclopentadiene	U	0.005	mg/L		0.005	SW846-8270



## 006-019

## ERI99-W3-6

## WAG 3 - SWMU 6

Hexachloroethane	U	0.005 mg/L	0.005	SW846-8270
Indeno(1,2,3-cd)pyrene	U	0.005 mg/L	0.005	SW846-8270
Isophorone	U	0.005 mg/L	0.005	SW846-8270
Naphthalene	U	0.005 mg/L	0.005	SW846-8270
Nitrobenzene	U	0.005 mg/L	0.005	SW846-8270
N-Nitroso-di-n-propylamine	U	0.005 mg/L	0.005	SW846-8270
N-Nitrosodiphenylamine	U	0.005 mg/L	0.005	SW846-8270
Pentachlorophenol	U	0.005 mg/L	0.005	SW846-8270
Phenanthrene	U	0.005 mg/L	0.005	SW846-8270
Phenol	U	0.005 mg/L	0.005	SW846-8270
Pyrene	U	0.005 mg/L	0.005	SW846-8270
Pyridine	U	0.005 mg/L	0.005	SW846-8270
<b>VOA</b>				
1,1,1-Trichloroethane	U	0.005 mg/L	0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005 mg/L	0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005 mg/L	0.005	SW846-8260
1,1-Dichloroethane	U	0.005 mg/L	0.005	SW846-8260
1,2-Dichloroethane	U	0.005 mg/L	0.005	SW846-8260
1,2-Dichloropropane	U	0.005 mg/L	0.005	SW846-8260
1,2-Dimethylbenzene	U	0.005 mg/L	0.005	SW846-8260
2-Butanone	U	0.01 mg/L	0.01	SW846-8260
2-Hexanone	U	0.01 mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01 mg/L	0.01	SW846-8260
Acetone	U	0.01 mg/L	0.01	SW846-8260
Benzene	U	0.005 mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromoform	U	0.005 mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005 mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005 mg/L	0.005	SW846-8260
Chloroethane	U	0.005 mg/L	0.005	SW846-8260
Chloromethane	U	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	JU	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
m,p-Xylene	U	0.01 mg/L	0.01	SW846-8260
Methylene chloride	U	0.01 mg/L	0.01	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
<b>WETCHEM</b>				
Alkalinity		113 mg/L	10	EPA-310.1
Ammonia	U	0.2 mg/L	0.2	EPA-350.2
Carbonate as CaCO <sub>3</sub>	U	10 mg/L	10	SM-2320 B 17
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Cyanide	U	0.02 mg/L	0.02	SW846-9014
Phosphate as Phosphorous	NU	2 mg/L	2	SW846-9056
Silica	N	28 mg/L	1	EPA-370.1
Suspended Solids		3595 mg/L	10	EPA-160.1
Total Organic Carbon (TOC)	X	3 mg/L	1.5	SW846-9060

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**006-019**

**ERI99-W3-6**

**WAG 3 - SWMU 6**

**006019WA085-45**

Collected: 2/1/2000

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium		0.177	mg/L		0.05	SW846-6010A
Calcium	N	59.1	mg/L		1	SW846-6010A
Chromium	U	0.05	mg/L		0.05	SW846-6010A
Cobalt		0.027	mg/L		0.01	SW846-6010A
Copper	U	0.05	mg/L		0.05	SW846-6010A
Iron	N	5.53	mg/L		0.2	SW846-6010A
Magnesium	N	23.5	mg/L		0.05	SW846-6010A
Manganese		1.33	mg/L		0.05	SW846-6010A
Nickel	*NU	0.05	mg/L		0.05	SW846-6010A
Potassium	U	2	mg/L		2	SW846-6010A
Sodium	N	97.2	mg/L		2	SW846-6010A
Vanadium	U	0.05	mg/L		0.05	SW846-6010A
Zinc		0.205	mg/L		0.2	SW846-6010A

**006019WA085-5**

Collected: 2/1/2000

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum		1.18	mg/L		0.2	SW846-6010A
Barium		0.186	mg/L		0.05	SW846-6010A
Calcium	N	58.7	mg/L		1	SW846-6010A
Chromium	U	0.05	mg/L		0.05	SW846-6010A
Cobalt		0.028	mg/L		0.01	SW846-6010A
Copper	U	0.05	mg/L		0.05	SW846-6010A
Iron	N	6.19	mg/L		0.2	SW846-6010A
Magnesium	N	23.7	mg/L		0.05	SW846-6010A
Manganese		1.32	mg/L		0.05	SW846-6010A
Nickel	*NU	0.05	mg/L		0.05	SW846-6010A
Potassium	U	2	mg/L		2	SW846-6010A
Sodium	N	97.2	mg/L		2	SW846-6010A
Vanadium	U	0.05	mg/L		0.05	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A

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**006-020**

**ERI99-W3-6**

**WAG 3 - SWMU 6**

**006020WA085**

Collected: 1/26/2000

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	N	46.8	mg/L		0.2	SW846-6010A
Barium		0.5	mg/L		0.05	SW846-6010A
Beryllium	BU	0.01	mg/L		0.01	SW846-6010A
Cadmium	U	0.01	mg/L		0.01	SW846-6010A
Calcium	N	45.8	mg/L		1	SW846-6010A
Chromium		0.586	mg/L		0.05	SW846-6010A
Cobalt		0.056	mg/L		0.01	SW846-6010A
Copper		0.134	mg/L		0.05	SW846-6010A
Iron	N	92.5	mg/L		0.2	SW846-6010A
Magnesium		20.1	mg/L		0.05	SW846-6010A
Manganese	N	1.84	mg/L		0.05	SW846-6010A
Mercury	UW	0.0002	mg/L		0.0002	SW846-7470
Nickel		0.368	mg/L		0.05	SW846-6010A
Potassium		4.25	mg/L		2	SW846-6010A
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Silver	U	0.05	mg/L		0.05	SW846-6010A
Sodium	N	45.2	mg/L		2	SW846-6010A
Thallium	NU	0.2	mg/L		0.2	SW846-6010A
Vanadium		0.103	mg/L		0.05	SW846-6010A
Zinc		0.39	mg/L		0.2	SW846-6010A
<b>PCCB</b>						
PCB-1016	U	0.00016	mg/L		0.0002	SW846-8082
PCB-1221	U	0.00016	mg/L		0.0002	SW846-8082
PCB-1232	U	0.00014	mg/L		0.0001	SW846-8082
PCB-1242	U	0.00015	mg/L		0.0002	SW846-8082
PCB-1248	U	0.00015	mg/L		0.0002	SW846-8082
PCB-1254	U	0.00012	mg/L		0.0001	SW846-8082
PCB-1260	U	0.00016	mg/L		0.0002	SW846-8082
PCB-1268	U	0.00008	mg/L		8E-05	SW846-8082
Polychlorinated biphenyl	U	0.00016	mg/L		0.0002	SW846-8082
<b>RADS</b>						
Alpha activity		10.61	pCi/L	2.61	6.89	EPA-900.0
Americium-241	U	8.1	pCi/L	16.2	76.8	RL-7124
Beta activity	M	247.86	pCi/L	14.18	8.6	EPA-900.0
Neptunium-237	U	-0.58	pCi/L	1.16	48.6	RL-7124
Plutonium-239/240	A	-0.132	pCi/L	0.214	1.25	RL-7120
Technetium-99		255	pCi/L	19.4	17.9	RL-7100
Thorium-234	U	-349	pCi/L	698	485	RL-7124
<b>SVOA</b>						
1,2,4-Trichlorobenzene	U	0.005	mg/L		0.005	SW846-8270
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8270
1,3-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8270
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8270
2,4,5-Trichlorophenol	U	0.005	mg/L		0.005	SW846-8270
2,4,6-Trichlorophenol	U	0.005	mg/L		0.005	SW846-8270
2,4-Dichlorophenol	U	0.005	mg/L		0.005	SW846-8270
2,4-Dimethylphenol	U	0.005	mg/L		0.005	SW846-8270
2,4-Dinitrophenol	U	0.005	mg/L		0.005	SW846-8270
2,4-Dinitrotoluene	JU	0.005	mg/L		0.005	SW846-8270

## 006-020

## ERI99-W3-6

## WAG 3 - SWMU 6

2,6-Dinitrotoluene	U	0.005	mg/L	0.005	SW846-8270
2-Chloronaphthalene	U	0.005	mg/L	0.005	SW846-8270
2-Chlorophenol	U	0.005	mg/L	0.005	SW846-8270
2-Methyl-4,6-dinitrophenol	U	0.005	mg/L	0.005	SW846-8270
2-Methylnaphthalene	U	0.005	mg/L	0.005	SW846-8270
2-Methylphenol	U	0.005	mg/L	0.005	SW846-8270
2-Nitrobenzenamine	U	0.005	mg/L	0.005	SW846-8270
2-Nitrophenol	U	0.005	mg/L	0.005	SW846-8270
3,3'-Dichlorobenzidine	U	0.005	mg/L	0.005	SW846-8270
3-Nitrobenzenamine	U	0.005	mg/L	0.005	SW846-8270
4-Bromophenyl phenyl ether	U	0.005	mg/L	0.005	SW846-8270
4-Chloro-3-methylphenol	U	0.005	mg/L	0.005	SW846-8270
4-Chlorobenzenamine	U	0.005	mg/L	0.005	SW846-8270
4-Chlorophenyl phenyl ether	U	0.005	mg/L	0.005	SW846-8270
4-Methylphenol	U	0.005	mg/L	0.005	SW846-8270
4-Nitrobenzenamine	U	0.005	mg/L	0.005	SW846-8270
4-Nitrophenol	U	0.005	mg/L	0.005	SW846-8270
Acenaphthene	U	0.005	mg/L	0.005	SW846-8270
Acenaphthylene	U	0.005	mg/L	0.005	SW846-8270
Anthracene	U	0.005	mg/L	0.005	SW846-8270
Benz(a)anthracene	U	0.005	mg/L	0.005	SW846-8270
Benzo(a)pyrene	U	0.005	mg/L	0.005	SW846-8270
Benzo(b)fluoranthene	U	0.005	mg/L	0.005	SW846-8270
Benzo(ghi)perylene	U	0.005	mg/L	0.005	SW846-8270
Benzo(k)fluoranthene	U	0.005	mg/L	0.005	SW846-8270
Bis(2-chloroethoxy)methane	U	0.005	mg/L	0.005	SW846-8270
Bis(2-chloroethyl) ether	U	0.005	mg/L	0.005	SW846-8270
Bis(2-chloroisopropyl) ether	U	0.005	mg/L	0.005	SW846-8270
Bis(2-ethylhexyl)phthalate	U	0.005	mg/L	0.005	SW846-8270
Butyl benzyl phthalate	U	0.005	mg/L	0.005	SW846-8270
Carbazole	U	0.005	mg/L	0.005	SW846-8270
Chrysene	U	0.005	mg/L	0.005	SW846-8270
Dibenz(a,h)anthracene	U	0.005	mg/L	0.005	SW846-8270
Dibenzofuran	U	0.005	mg/L	0.005	SW846-8270
Diethyl phthalate	U	0.005	mg/L	0.005	SW846-8270
Dimethyl phthalate	U	0.005	mg/L	0.005	SW846-8270
Di-n-butyl phthalate	U	0.005	mg/L	0.005	SW846-8270
Di-n-octylphthalate	U	0.005	mg/L	0.005	SW846-8270
Fluoranthene	U	0.005	mg/L	0.005	SW846-8270
Fluorene	U	0.005	mg/L	0.005	SW846-8270
Hexachlorobenzene	U	0.005	mg/L	0.005	SW846-8270
Hexachlorobutadiene	U	0.005	mg/L	0.005	SW846-8270
Hexachlorocyclopentadiene	U	0.005	mg/L	0.005	SW846-8270
Hexachloroethane	U	0.005	mg/L	0.005	SW846-8270
Indeno(1,2,3-cd)pyrene	U	0.005	mg/L	0.005	SW846-8270
Isophorone	U	0.005	mg/L	0.005	SW846-8270
Naphthalene	U	0.005	mg/L	0.005	SW846-8270
Nitrobenzene	U	0.005	mg/L	0.005	SW846-8270
N-Nitroso-di-n-propylamine	U	0.005	mg/L	0.005	SW846-8270
N-Nitrosodiphenylamine	U	0.005	mg/L	0.005	SW846-8270
Pentachlorophenol	UY	0.005	mg/L	0.005	SW846-8270
Phenanthrene	U	0.005	mg/L	0.005	SW846-8270
Phenol	U	0.005	mg/L	0.005	SW846-8270
Pyrene	U	0.005	mg/L	0.005	SW846-8270
Pyridine	U	0.005	mg/L	0.005	SW846-8270

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ERI99-W3-6

WAG 3 - SWMU 6

VOA

1,1,1-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dimethylbenzene	U	0.005	mg/L	0.005	SW846-8260
2-Butanone	U	0.01	mg/L	0.01	SW846-8260
2-Hexanone	U	0.01	mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L	0.01	SW846-8260
Acetone	U	0.01	mg/L	0.01	SW846-8260
Benzene	U	0.005	mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromoform	U	0.005	mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L	0.005	SW846-8260
Chloroethane	U	0.005	mg/L	0.005	SW846-8260
Chloromethane	U	0.005	mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	JU	0.005	mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L	0.005	SW846-8260
m,p-Xylene	U	0.01	mg/L	0.01	SW846-8260
Methylene chloride	U	0.01	mg/L	0.01	SW846-8260
Styrene	U	0.005	mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L	0.005	SW846-8260
Toluene	U	0.005	mg/L	0.005	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Trichloroethene	U	0.001	mg/L	0.001	SW846-8260
<b>WETCHEM</b>					
Cyanide	U	0.02	mg/L	0.02	SW846-9014

006020WA085-45

Collected: 1/26/2000

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium		0.212	mg/L		0.05	SW846-6010A
Calcium	N	41.3	mg/L		1	SW846-6010A
Chromium	U	0.05	mg/L		0.05	SW846-6010A
Cobalt		0.026	mg/L		0.01	SW846-6010A
Copper	U	0.05	mg/L		0.05	SW846-6010A
Iron	N	2.9	mg/L		0.2	SW846-6010A
Magnesium	N	17.2	mg/L		0.05	SW846-6010A
Manganese		0.844	mg/L		0.05	SW846-6010A
Nickel	*NU	0.05	mg/L		0.05	SW846-6010A
Potassium	U	2	mg/L		2	SW846-6010A
Sodium	N	46.2	mg/L		2	SW846-6010A
Vanadium	U	0.05	mg/L		0.05	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A

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**006-020**

**ERI99-W3-6**

**WAG 3 - SWMU 6**

**006020WA085-5**

Collected: 1/26/2000

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum		0.783	mg/L		0.2	SW846-6010A
Barium		0.197	mg/L		0.05	SW846-6010A
Calcium	N	41.8	mg/L		1	SW846-6010A
Chromium	U	0.05	mg/L		0.05	SW846-6010A
Cobalt		0.027	mg/L		0.01	SW846-6010A
Copper	U	0.05	mg/L		0.05	SW846-6010A
Iron	N	3.86	mg/L		0.2	SW846-6010A
Magnesium	N	17.5	mg/L		0.05	SW846-6010A
Manganese		0.942	mg/L		0.05	SW846-6010A
Nickel	*NU	0.05	mg/L		0.05	SW846-6010A
Potassium	U	2	mg/L		2	SW846-6010A
Sodium	N	47.8	mg/L		2	SW846-6010A
Vanadium	U	0.05	mg/L		0.05	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A

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**006-021**

**ERI99-W3-6**

**WAG 3 - SWMU 6**

**006021WA085**

Collected: 1/24/2000

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	N	23	mg/L		0.2	SW846-6010A
Arsenic	NW	0.005	mg/L		0.005	SW846-7060
Barium	N	0.466	mg/L		0.05	SW846-6010A
Beryllium	BU	0.01	mg/L		0.01	SW846-6010A
Cadmium	U	0.01	mg/L		0.01	SW846-6010A
Calcium	N	61.2	mg/L		1	SW846-6010A
Chromium		0.853	mg/L		0.05	SW846-6010A
Cobalt		0.026	mg/L		0.01	SW846-6010A
Copper		0.175	mg/L		0.05	SW846-6010A
Iron	N	140	mg/L		0.2	SW846-6010A
Magnesium	N	25.2	mg/L		0.05	SW846-6010A
Manganese	N	1.21	mg/L		0.05	SW846-6010A
Mercury	BUW	0.0002	mg/L		0.0002	SW846-7470
Nickel		0.29	mg/L		0.05	SW846-6010A
Potassium	N	2.97	mg/L		2	SW846-6010A
Selenium	NUW	0.005	mg/L		0.005	SW846-7740
Silver	BNU	0.05	mg/L		0.05	SW846-6010A
Sodium	N	77.3	mg/L		2	SW846-6010A
Thallium	NU	0.2	mg/L		0.2	SW846-6010A
Vanadium		0.068	mg/L		0.05	SW846-6010A
Zinc	N	0.515	mg/L		0.2	SW846-6010A
<b>PCCB</b>						
PCB-1016	U	0.00018	mg/L		0.0002	SW846-8082
PCB-1221	U	0.00018	mg/L		0.0002	SW846-8082
PCB-1232	U	0.00016	mg/L		0.0002	SW846-8082
PCB-1242	U	0.00016	mg/L		0.0002	SW846-8082
PCB-1248	U	0.00016	mg/L		0.0002	SW846-8082
PCB-1254	U	0.00013	mg/L		0.0001	SW846-8082
PCB-1260	U	0.00018	mg/L		0.0002	SW846-8082
PCB-1268	U	0.00009	mg/L		9E-05	SW846-8082
Polychlorinated biphenyl	U	0.00018	mg/L		0.0002	SW846-8082
<b>RADS</b>						
Alpha activity		5.81	pCi/L	1.22	5.74	EPA-900.0
Americium-241	U	-38.7	pCi/L	77.4	132	RL-7124
Beta activity		1074.61	pCi/L	31.49	8.96	EPA-900.0
Neptunium-237	U	-3.32	pCi/L	6.63	54.7	RL-7124
Plutonium-239/240	A	0.0675	pCi/L	0.218	1.18	RL-7120
Technetium-99		933	pCi/L	31.4	17.9	RL-7100
Thorium-234	U	53.1	pCi/L	106	645	RL-7124
Uranium-235		0.564	wt %			AS7300
<b>SVOA</b>						
1,2,4-Trichlorobenzene	U	0.005	mg/L		0.005	SW846-8270
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8270
1,3-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8270
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8270
2,4,5-Trichlorophenol	U	0.005	mg/L		0.005	SW846-8270
2,4,6-Trichlorophenol	U	0.005	mg/L		0.005	SW846-8270
2,4-Dichlorophenol	U	0.005	mg/L		0.005	SW846-8270
2,4-Dimethylphenol	U	0.005	mg/L		0.005	SW846-8270

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## ERI99-W3-6

## WAG 3 - SWMU 6

2,4-Dinitrophenol	U	0.005	mg/L	0.005	SW846-8270
2,4-Dinitrotoluene	JU	0.005	mg/L	0.005	SW846-8270
2,6-Dinitrotoluene	U	0.005	mg/L	0.005	SW846-8270
2-Chloronaphthalene	U	0.005	mg/L	0.005	SW846-8270
2-Chlorophenol	U	0.005	mg/L	0.005	SW846-8270
2-Methyl-4,6-dinitrophenol	U	0.005	mg/L	0.005	SW846-8270
2-Methylnaphthalene	U	0.005	mg/L	0.005	SW846-8270
2-Methylphenol	U	0.005	mg/L	0.005	SW846-8270
2-Nitrobenzenamine	U	0.005	mg/L	0.005	SW846-8270
2-Nitrophenol	U	0.005	mg/L	0.005	SW846-8270
3,3'-Dichlorobenzidine	U	0.005	mg/L	0.005	SW846-8270
3-Nitrobenzenamine	U	0.005	mg/L	0.005	SW846-8270
4-Bromophenyl phenyl ether	U	0.005	mg/L	0.005	SW846-8270
4-Chloro-3-methylphenol	U	0.005	mg/L	0.005	SW846-8270
4-Chlorobenzenamine	U	0.005	mg/L	0.005	SW846-8270
4-Chlorophenyl phenyl ether	U	0.005	mg/L	0.005	SW846-8270
4-Methylphenol	U	0.005	mg/L	0.005	SW846-8270
4-Nitrobenzenamine	U	0.005	mg/L	0.005	SW846-8270
4-Nitrophenol	U	0.005	mg/L	0.005	SW846-8270
Acenaphthene	U	0.005	mg/L	0.005	SW846-8270
Acenaphthylene	U	0.005	mg/L	0.005	SW846-8270
Anthracene	U	0.005	mg/L	0.005	SW846-8270
Benz(a)anthracene	U	0.005	mg/L	0.005	SW846-8270
Benzo(a)pyrene	U	0.005	mg/L	0.005	SW846-8270
Benzo(b)fluoranthene	U	0.005	mg/L	0.005	SW846-8270
Benzo(ghi)perylene	U	0.005	mg/L	0.005	SW846-8270
Benzo(k)fluoranthene	U	0.005	mg/L	0.005	SW846-8270
Bis(2-chloroethoxy)methane	U	0.005	mg/L	0.005	SW846-8270
Bis(2-chloroethyl) ether	U	0.005	mg/L	0.005	SW846-8270
Bis(2-chloroisopropyl) ether	U	0.005	mg/L	0.005	SW846-8270
Bis(2-ethylhexyl)phthalate	U	0.005	mg/L	0.005	SW846-8270
Butyl benzyl phthalate	U	0.005	mg/L	0.005	SW846-8270
Carbazole	U	0.005	mg/L	0.005	SW846-8270
Chrysene	U	0.005	mg/L	0.005	SW846-8270
Dibenz(a,h)anthracene	U	0.005	mg/L	0.005	SW846-8270
Dibenzofuran	U	0.005	mg/L	0.005	SW846-8270
Diethyl phthalate	U	0.005	mg/L	0.005	SW846-8270
Dimethyl phthalate	U	0.005	mg/L	0.005	SW846-8270
Di-n-butyl phthalate	U	0.005	mg/L	0.005	SW846-8270
Di-n-octylphthalate	U	0.005	mg/L	0.005	SW846-8270
Fluoranthene	U	0.005	mg/L	0.005	SW846-8270
Fluorene	U	0.005	mg/L	0.005	SW846-8270
Hexachlorobenzene	U	0.005	mg/L	0.005	SW846-8270
Hexachlorobutadiene	U	0.005	mg/L	0.005	SW846-8270
Hexachlorocyclopentadiene	U	0.005	mg/L	0.005	SW846-8270
Hexachloroethane	U	0.005	mg/L	0.005	SW846-8270
Indeno(1,2,3-cd)pyrene	U	0.005	mg/L	0.005	SW846-8270
Isophorone	U	0.005	mg/L	0.005	SW846-8270
Naphthalene	U	0.005	mg/L	0.005	SW846-8270
Nitrobenzene	U	0.005	mg/L	0.005	SW846-8270
N-Nitroso-di-n-propylamine	U	0.005	mg/L	0.005	SW846-8270
N-Nitrosodiphenylamine	U	0.005	mg/L	0.005	SW846-8270
Pentachlorophenol	UY	0.005	mg/L	0.005	SW846-8270
Phenanthrene	U	0.005	mg/L	0.005	SW846-8270
Phenol	U	0.005	mg/L	0.005	SW846-8270



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ERI99-W3-6

WAG 3 - SWMU 6

Pyrene	U	0.005	mg/L	0.005	SW846-8270
Pyridine	U	0.005	mg/L	0.005	SW846-8270
<b>VOA</b>					
1,1,1-Trichloroethane	UX	0.005	mg/L	0.005	SW846-8260
1,1,2,2-Tetrachloroethane	UX	0.005	mg/L	0.005	SW846-8260
1,1,2-Trichloroethane	UX	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethane	UX	0.005	mg/L	0.005	SW846-8260
1,2-Dichloroethane	UX	0.005	mg/L	0.005	SW846-8260
1,2-Dichloropropane	UX	0.005	mg/L	0.005	SW846-8260
1,2-Dimethylbenzene	UX	0.005	mg/L	0.005	SW846-8260
2-Butanone	UX	0.01	mg/L	0.01	SW846-8260
2-Hexanone	UX	0.01	mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	UX	0.01	mg/L	0.01	SW846-8260
Acetone	UX	0.01	mg/L	0.01	SW846-8260
Benzene	UX	0.005	mg/L	0.005	SW846-8260
Bromodichloromethane	UX	0.005	mg/L	0.005	SW846-8260
Bromoform	UX	0.005	mg/L	0.005	SW846-8260
Carbon disulfide	UX	0.005	mg/L	0.005	SW846-8260
Carbon tetrachloride	UX	0.005	mg/L	0.005	SW846-8260
Chlorobenzene	UX	0.005	mg/L	0.005	SW846-8260
Chloroethane	UX	0.005	mg/L	0.005	SW846-8260
Chloromethane	UX	0.005	mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	UX	0.005	mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	JUX	0.005	mg/L	0.005	SW846-8260
Dibromochloromethane	UX	0.005	mg/L	0.005	SW846-8260
Ethylbenzene	UX	0.005	mg/L	0.005	SW846-8260
m,p-Xylene	UX	0.01	mg/L	0.01	SW846-8260
Methylene chloride	UX	0.01	mg/L	0.01	SW846-8260
Styrene	UX	0.005	mg/L	0.005	SW846-8260
Tetrachloroethene	UX	0.005	mg/L	0.005	SW846-8260
Toluene	UX	0.005	mg/L	0.005	SW846-8260
trans-1,2-Dichloroethene	UX	0.005	mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	UX	0.005	mg/L	0.005	SW846-8260
Trichloroethene	UX	0.001	mg/L	0.001	SW846-8260
<b>WETCHEM</b>					
Cyanide	UX	0.02	mg/L	0.02	SW846-9014

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006-021

ERI99-W3-6

WAG 3 - SWMU 6

006021WA085-45

Collected: 1/24/2000

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium		0.232	mg/L		0.05	SW846-6010A
Calcium		61.1	mg/L		1	SW846-6010A
Chromium	U	0.05	mg/L		0.05	SW846-6010A
Cobalt	U	0.01	mg/L		0.01	SW846-6010A
Copper	U	0.05	mg/L		0.05	SW846-6010A
Iron		11.7	mg/L		0.2	SW846-6010A
Magnesium		25.1	mg/L		0.05	SW846-6010A
Manganese		0.667	mg/L		0.05	SW846-6010A
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Potassium	U	2	mg/L		2	SW846-6010A
Sodium		79.8	mg/L		2	SW846-6010A
Vanadium	U	0.05	mg/L		0.05	SW846-6010A
Zinc	BU	0.2	mg/L		0.2	SW846-6010A

006021WA085-5

Collected: 1/24/2000

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium		0.233	mg/L		0.05	SW846-6010A
Calcium		61.4	mg/L		1	SW846-6010A
Chromium	U	0.05	mg/L		0.05	SW846-6010A
Cobalt	U	0.01	mg/L		0.01	SW846-6010A
Copper	U	0.05	mg/L		0.05	SW846-6010A
Iron		13.4	mg/L		0.2	SW846-6010A
Magnesium		25.2	mg/L		0.05	SW846-6010A
Manganese		0.678	mg/L		0.05	SW846-6010A
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Potassium	U	2	mg/L		2	SW846-6010A
Sodium		80.5	mg/L		2	SW846-6010A
Vanadium	U	0.05	mg/L		0.05	SW846-6010A
Zinc	BU	0.2	mg/L		0.2	SW846-6010A

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**006-021**

**ERI99-W3-6**

**WAG 3 - SWMU 6**

**006021WD085**

Collected: 1/24/2000

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	N	25.2	mg/L		0.2	SW846-6010A
Arsenic	NW	0.006	mg/L		0.005	SW846-7060
Barium	N	0.496	mg/L		0.05	SW846-6010A
Beryllium	BU	0.01	mg/L		0.01	SW846-6010A
Cadmium	U	0.01	mg/L		0.01	SW846-6010A
Calcium	N	62.4	mg/L		1	SW846-6010A
Chromium		1.07	mg/L		0.05	SW846-6010A
Cobalt		0.029	mg/L		0.01	SW846-6010A
Copper		0.223	mg/L		0.05	SW846-6010A
Iron	N	158	mg/L		0.2	SW846-6010A
Magnesium	N	25.7	mg/L		0.05	SW846-6010A
Manganese	N	1.33	mg/L		0.05	SW846-6010A
Mercury	BUW	0.0002	mg/L		0.0002	SW846-7470
Nickel		0.38	mg/L		0.05	SW846-6010A
Potassium	N	3.19	mg/L		2	SW846-6010A
Selenium	NUW	0.005	mg/L		0.005	SW846-7740
Silver	BNU	0.05	mg/L		0.05	SW846-6010A
Sodium	N	78.8	mg/L		2	SW846-6010A
Thallium	ENU	0.2	mg/L		0.2	SW846-6010A
Vanadium		0.076	mg/L		0.05	SW846-6010A
Zinc	N	0.611	mg/L		0.2	SW846-6010A
<b>PPCB</b>						
PCB-1016	U	0.00018	mg/L		0.0002	SW846-8082
PCB-1221	U	0.00018	mg/L		0.0002	SW846-8082
PCB-1232	U	0.00016	mg/L		0.0002	SW846-8082
PCB-1242	U	0.00017	mg/L		0.0002	SW846-8082
PCB-1248	U	0.00017	mg/L		0.0002	SW846-8082
PCB-1254	U	0.00013	mg/L		0.0001	SW846-8082
PCB-1260	U	0.00018	mg/L		0.0002	SW846-8082
PCB-1268	U	0.00009	mg/L		9E-05	SW846-8082
Polychlorinated biphenyl	U	0.00018	mg/L		0.0002	SW846-8082
<b>RADS</b>						
Alpha activity		13.23	pCi/L	2.63	6.94	EPA-900.0
Americium-241	U	-46.4	pCi/L	92.8	142	RL-7124
Beta activity		1126.4	pCi/L	33.12	9.49	EPA-900.0
Neptunium-237	U	-2.17	pCi/L	4.33	65.8	RL-7124
Plutonium-239/240	A	-0.0239	pCi/L	0.174	1.16	RL-7120
Technetium-99		956	pCi/L	31.7	17.9	RL-7100
Thorium-234	U	-538	pCi/L	1080	659	RL-7124
Uranium-235		0.501	wt %			AS7300
<b>SVOA</b>						
1,2,4-Trichlorobenzene	U	0.005	mg/L		0.005	SW846-8270
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8270
1,3-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8270
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8270
2,4,5-Trichlorophenol	U	0.005	mg/L		0.005	SW846-8270
2,4,6-Trichlorophenol	U	0.005	mg/L		0.005	SW846-8270
2,4-Dichlorophenol	U	0.005	mg/L		0.005	SW846-8270
2,4-Dimethylphenol	U	0.005	mg/L		0.005	SW846-8270

## 006-021

## ERI99-W3-6

## WAG 3 - SWMU 6

2,4-Dinitrophenol	U	0.005	mg/L	0.005	SW846-8270
2,4-Dinitrotoluene	JU	0.005	mg/L	0.005	SW846-8270
2,6-Dinitrotoluene	U	0.005	mg/L	0.005	SW846-8270
2-Chloronaphthalene	U	0.005	mg/L	0.005	SW846-8270
2-Chlorophenol	U	0.005	mg/L	0.005	SW846-8270
2-Methyl-4,6-dinitrophenol	U	0.005	mg/L	0.005	SW846-8270
2-Methylnaphthalene	U	0.005	mg/L	0.005	SW846-8270
2-Methylphenol	U	0.005	mg/L	0.005	SW846-8270
2-Nitrobenzenamine	U	0.005	mg/L	0.005	SW846-8270
2-Nitrophenol	U	0.005	mg/L	0.005	SW846-8270
3,3'-Dichlorobenzidine	U	0.005	mg/L	0.005	SW846-8270
3-Nitrobenzenamine	U	0.005	mg/L	0.005	SW846-8270
4-Bromophenyl phenyl ether	U	0.005	mg/L	0.005	SW846-8270
4-Chloro-3-methylphenol	U	0.005	mg/L	0.005	SW846-8270
4-Chlorobenzenamine	U	0.005	mg/L	0.005	SW846-8270
4-Chlorophenyl phenyl ether	U	0.005	mg/L	0.005	SW846-8270
4-Methylphenol	U	0.005	mg/L	0.005	SW846-8270
4-Nitrobenzenamine	U	0.005	mg/L	0.005	SW846-8270
4-Nitrophenol	U	0.005	mg/L	0.005	SW846-8270
Acenaphthene	U	0.005	mg/L	0.005	SW846-8270
Acenaphthylene	U	0.005	mg/L	0.005	SW846-8270
Anthracene	U	0.005	mg/L	0.005	SW846-8270
Benz(a)anthracene	U	0.005	mg/L	0.005	SW846-8270
Benzo(a)pyrene	U	0.005	mg/L	0.005	SW846-8270
Benzo(b)fluoranthene	U	0.005	mg/L	0.005	SW846-8270
Benzo(ghi)perylene	U	0.005	mg/L	0.005	SW846-8270
Benzo(k)fluoranthene	U	0.005	mg/L	0.005	SW846-8270
Bis(2-chloroethoxy)methane	U	0.005	mg/L	0.005	SW846-8270
Bis(2-chloroethyl) ether	U	0.005	mg/L	0.005	SW846-8270
Bis(2-chloroisopropyl) ether	U	0.005	mg/L	0.005	SW846-8270
Bis(2-ethylhexyl)phthalate	U	0.005	mg/L	0.005	SW846-8270
Butyl benzyl phthalate	U	0.005	mg/L	0.005	SW846-8270
Carbazole	U	0.005	mg/L	0.005	SW846-8270
Chrysene	U	0.005	mg/L	0.005	SW846-8270
Dibenz(a,h)anthracene	U	0.005	mg/L	0.005	SW846-8270
Dibenzofuran	U	0.005	mg/L	0.005	SW846-8270
Diethyl phthalate	U	0.005	mg/L	0.005	SW846-8270
Dimethyl phthalate	U	0.005	mg/L	0.005	SW846-8270
Di-n-butyl phthalate	U	0.005	mg/L	0.005	SW846-8270
Di-n-octylphthalate	U	0.005	mg/L	0.005	SW846-8270
Fluoranthene	U	0.005	mg/L	0.005	SW846-8270
Fluorene	U	0.005	mg/L	0.005	SW846-8270
Hexachlorobenzene	U	0.005	mg/L	0.005	SW846-8270
Hexachlorobutadiene	U	0.005	mg/L	0.005	SW846-8270
Hexachlorocyclopentadiene	U	0.005	mg/L	0.005	SW846-8270
Hexachloroethane	U	0.005	mg/L	0.005	SW846-8270
Indeno(1,2,3-cd)pyrene	U	0.005	mg/L	0.005	SW846-8270
Isophorone	U	0.005	mg/L	0.005	SW846-8270
Naphthalene	U	0.005	mg/L	0.005	SW846-8270
Nitrobenzene	U	0.005	mg/L	0.005	SW846-8270
N-Nitroso-di-n-propylamine	U	0.005	mg/L	0.005	SW846-8270
N-Nitrosodiphenylamine	U	0.005	mg/L	0.005	SW846-8270
Pentachlorophenol	UY	0.005	mg/L	0.005	SW846-8270
Phenanthrene	U	0.005	mg/L	0.005	SW846-8270
Phenol	U	0.005	mg/L	0.005	SW846-8270

## 006-021

## ERI99-W3-6

## WAG 3 - SWMU 6

Pyrene	U	0.005	mg/L	0.005	SW846-8270
Pyridine	U	0.005	mg/L	0.005	SW846-8270
<b>VOA</b>					
1,1,1-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dimethylbenzene	U	0.005	mg/L	0.005	SW846-8260
2-Butanone	U	0.01	mg/L	0.01	SW846-8260
2-Hexanone	U	0.01	mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L	0.01	SW846-8260
Acetone	U	0.01	mg/L	0.01	SW846-8260
Benzene	U	0.005	mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromoform	U	0.005	mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L	0.005	SW846-8260
Chloroethane	U	0.005	mg/L	0.005	SW846-8260
Chloromethane	U	0.005	mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	JU	0.005	mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L	0.005	SW846-8260
m,p-Xylene	U	0.01	mg/L	0.01	SW846-8260
Methylene chloride	U	0.01	mg/L	0.01	SW846-8260
Styrene	U	0.005	mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L	0.005	SW846-8260
Toluene	U	0.005	mg/L	0.005	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Trichloroethene	U	0.001	mg/L	0.001	SW846-8260
<b>WETCHEM</b>					
Cyanide	UX	0.02	mg/L	0.02	SW846-9014

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006-021

ERI99-W3-6

WAG 3 - SWMU 6

006021WD085-45

Collected: 1/24/2000

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium		0.215	mg/L		0.05	SW846-6010A
Calcium		61.4	mg/L		1	SW846-6010A
Chromium	U	0.05	mg/L		0.05	SW846-6010A
Cobalt	U	0.01	mg/L		0.01	SW846-6010A
Copper	U	0.05	mg/L		0.05	SW846-6010A
Iron		8.9	mg/L		0.2	SW846-6010A
Magnesium		24.9	mg/L		0.05	SW846-6010A
Manganese		0.705	mg/L		0.05	SW846-6010A
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Potassium	U	2	mg/L		2	SW846-6010A
Sodium		80	mg/L		2	SW846-6010A
Vanadium	U	0.05	mg/L		0.05	SW846-6010A
Zinc	B	0.202	mg/L		0.2	SW846-6010A

006021WD085-5

Collected: 1/24/2000

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium		0.222	mg/L		0.05	SW846-6010A
Calcium		61.6	mg/L		1	SW846-6010A
Chromium	U	0.05	mg/L		0.05	SW846-6010A
Cobalt	U	0.01	mg/L		0.01	SW846-6010A
Copper	U	0.05	mg/L		0.05	SW846-6010A
Iron		8.42	mg/L		0.2	SW846-6010A
Magnesium		25.1	mg/L		0.05	SW846-6010A
Manganese		0.672	mg/L		0.05	SW846-6010A
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Potassium	U	2	mg/L		2	SW846-6010A
Sodium		80.5	mg/L		2	SW846-6010A
Vanadium	U	0.05	mg/L		0.05	SW846-6010A
Zinc	B	0.202	mg/L		0.2	SW846-6010A

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**006-022**

**ERI99-W3-6**

**WAG 3 - SWMU 6**

**006022WA085**

Collected: 1/19/2000

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	N	130	mg/L		0.2	SW846-6010A
Arsenic	NW	0.013	mg/L		0.005	SW846-7060
Barium	N	1.34	mg/L		0.05	SW846-6010A
Beryllium		0.015	mg/L		0.01	SW846-6010A
Cadmium	U	0.01	mg/L		0.01	SW846-6010A
Calcium	N	73.2	mg/L		1	SW846-6010A
Chromium		1.67	mg/L		0.05	SW846-6010A
Cobalt		0.17	mg/L		0.01	SW846-6010A
Copper		0.386	mg/L		0.05	SW846-6010A
Iron	N	389	mg/L		0.2	SW846-6010A
Magnesium	N	34.9	mg/L		0.05	SW846-6010A
Manganese	N	9.56	mg/L		0.05	SW846-6010A
Mercury	BW	0.0002	mg/L		0.0002	SW846-7470
Nickel		0.69	mg/L		0.05	SW846-6010A
Potassium	N	11.4	mg/L		2	SW846-6010A
Selenium	NUW	0.005	mg/L		0.005	SW846-7740
Silver	BNU	0.05	mg/L		0.05	SW846-6010A
Sodium	N	51.4	mg/L		2	SW846-6010A
Thallium	ENU	0.2	mg/L		0.2	SW846-6010A
Vanadium		0.348	mg/L		0.05	SW846-6010A
Zinc	N	1.14	mg/L		0.2	SW846-6010A
<b>PCCB</b>						
PCB-1016	U	0.00018	mg/L		0.0002	SW846-8082
PCB-1221	U	0.00018	mg/L		0.0002	SW846-8082
PCB-1232	U	0.00016	mg/L		0.0002	SW846-8082
PCB-1242	U	0.00017	mg/L		0.0002	SW846-8082
PCB-1248	U	0.00017	mg/L		0.0002	SW846-8082
PCB-1254	U	0.00014	mg/L		0.0001	SW846-8082
PCB-1260	U	0.00018	mg/L		0.0002	SW846-8082
PCB-1268	U	0.0001	mg/L		0.0001	SW846-8082
Polychlorinated biphenyl	U	0.00018	mg/L		0.0002	SW846-8082
<b>RADS</b>						
Alpha activity		12.43	pCi/L	4.14	5.57	EPA-900.0
Americium-241	U	-0.906	pCi/L	181	127	RL-7124
Beta activity		85.11	pCi/L	8.23	8.87	EPA-900.0
Neptunium-237	U	17.2	pCi/L	34.5	61.1	RL-7124
Plutonium-239/240	A	-0.187	pCi/L	0.163	1.13	RL-7120
Technetium-99		46.8	pCi/L	13.8	17.9	RL-7100
Thorium-234	U	156	pCi/L	312	663	RL-7124
<b>SVOA</b>						
1,2,4-Trichlorobenzene	JU	0.005	mg/L	0	0.005	SW846-8270
1,2-Dichlorobenzene	JU	0.005	mg/L	0	0.005	SW846-8270
1,3-Dichlorobenzene	JU	0.005	mg/L	0	0.005	SW846-8270
1,4-Dichlorobenzene	JU	0.005	mg/L	0	0.005	SW846-8270
2,4,5-Trichlorophenol	JU	0.005	mg/L	0	0.005	SW846-8270
2,4,6-Trichlorophenol	JU	0.005	mg/L	0	0.005	SW846-8270
2,4-Dichlorophenol	JU	0.005	mg/L	0	0.005	SW846-8270
2,4-Dimethylphenol	JU	0.005	mg/L	0	0.005	SW846-8270
2,4-Dinitrophenol	JU	0.005	mg/L	0	0.005	SW846-8270

## 006-022

## ERI99-W3-6

## WAG 3 - SWMU 6

2,4-Dinitrotoluene	JU	0.005	mg/L	0	0.005	SW846-8270
2,6-Dinitrotoluene	JU	0.005	mg/L	0	0.005	SW846-8270
2-Chloronaphthalene	JU	0.005	mg/L	0	0.005	SW846-8270
2-Chlorophenol	JU	0.005	mg/L	0	0.005	SW846-8270
2-Methyl-4,6-dinitrophenol	JU	0.005	mg/L	0	0.005	SW846-8270
2-Methylnaphthalene	JU	0.005	mg/L	0	0.005	SW846-8270
2-Methylphenol	JU	0.005	mg/L	0	0.005	SW846-8270
2-Nitrobenzenamine	JU	0.005	mg/L	0	0.005	SW846-8270
2-Nitrophenol	JU	0.005	mg/L	0	0.005	SW846-8270
3,3'-Dichlorobenzidine	JU	0.005	mg/L	0	0.005	SW846-8270
3-Nitrobenzenamine	JU	0.005	mg/L	0	0.005	SW846-8270
4-Bromophenyl phenyl ether	JU	0.005	mg/L	0	0.005	SW846-8270
4-Chloro-3-methylphenol	JU	0.005	mg/L	0	0.005	SW846-8270
4-Chlorobenzenamine	JU	0.005	mg/L	0	0.005	SW846-8270
4-Chlorophenyl phenyl ether	JU	0.005	mg/L	0	0.005	SW846-8270
4-Methylphenol	JU	0.005	mg/L	0	0.005	SW846-8270
4-Nitrobenzenamine	JU	0.005	mg/L	0	0.005	SW846-8270
4-Nitrophenol	JU	0.005	mg/L	0	0.005	SW846-8270
Acenaphthene	JU	0.005	mg/L	0	0.005	SW846-8270
Acenaphthylene	JU	0.005	mg/L	0	0.005	SW846-8270
Anthracene	JU	0.005	mg/L	0	0.005	SW846-8270
Benz(a)anthracene	JU	0.005	mg/L	0	0.005	SW846-8270
Benzo(a)pyrene	JU	0.005	mg/L	0	0.005	SW846-8270
Benzo(b)fluoranthene	JU	0.005	mg/L	0	0.005	SW846-8270
Benzo(ghi)perylene	JU	0.005	mg/L	0	0.005	SW846-8270
Benzo(k)fluoranthene	JU	0.005	mg/L	0	0.005	SW846-8270
Bis(2-chloroethoxy)methane	JU	0.005	mg/L	0	0.005	SW846-8270
Bis(2-chloroethyl) ether	JU	0.005	mg/L	0	0.005	SW846-8270
Bis(2-chloroisopropyl) ether	JU	0.005	mg/L	0	0.005	SW846-8270
Bis(2-ethylhexyl)phthalate	JU	0.005	mg/L	0	0.005	SW846-8270
Butyl benzyl phthalate	JU	0.005	mg/L	0	0.005	SW846-8270
Carbazole	JU	0.005	mg/L	0	0.005	SW846-8270
Chrysene	JU	0.005	mg/L	0	0.005	SW846-8270
Dibenz(a,h)anthracene	JU	0.005	mg/L	0	0.005	SW846-8270
Dibenzofuran	JU	0.005	mg/L	0	0.005	SW846-8270
Diethyl phthalate	JU	0.005	mg/L	0	0.005	SW846-8270
Dimethyl phthalate	JU	0.005	mg/L	0	0.005	SW846-8270
Di-n-butyl phthalate	JU	0.005	mg/L	0	0.005	SW846-8270
Di-n-octylphthalate	JU	0.005	mg/L	0	0.005	SW846-8270
Fluoranthene	JU	0.005	mg/L	0	0.005	SW846-8270
Fluorene	JU	0.005	mg/L	0	0.005	SW846-8270
Hexachlorobenzene	JU	0.005	mg/L	0	0.005	SW846-8270
Hexachlorobutadiene	JU	0.005	mg/L	0	0.005	SW846-8270
Hexachlorocyclopentadiene	JU	0.005	mg/L	0	0.005	SW846-8270
Hexachloroethane	JU	0.005	mg/L	0	0.005	SW846-8270
Indeno(1,2,3-cd)pyrene	JU	0.005	mg/L	0	0.005	SW846-8270
Isophorone	JU	0.005	mg/L	0	0.005	SW846-8270
Naphthalene	JU	0.005	mg/L	0	0.005	SW846-8270
Nitrobenzene	JU	0.005	mg/L	0	0.005	SW846-8270
N-Nitroso-di-n-propylamine	JU	0.005	mg/L	0	0.005	SW846-8270
N-Nitrosodiphenylamine	JU	0.005	mg/L	0	0.005	SW846-8270
Pentachlorophenol	JU	0.005	mg/L	0	0.005	SW846-8270
Phenanthrene	JU	0.005	mg/L	0	0.005	SW846-8270
Phenol	JU	0.005	mg/L	0	0.005	SW846-8270
Pyrene	JU	0.005	mg/L	0	0.005	SW846-8270



## 006-022

## ERI99-W3-6

## WAG 3 - SWMU 6

Pyridine	JU	0.005	mg/L	0	0.005	SW846-8270
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dimethylbenzene	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	JU	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
m,p-Xylene	U	0.01	mg/L		0.01	SW846-8260
Methylene chloride	U	0.01	mg/L		0.01	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene	U	0.001	mg/L		0.001	SW846-8260
<b>WETCHEM</b>						
Cyanide	UX	0.02	mg/L		0.02	SW846-9014

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006-022

ERI99-W3-6

WAG 3 - SWMU 6

006022WA085-45

Collected: 1/19/2000

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium		0.151	mg/L		0.05	SW846-6010A
Beryllium	U	0.01	mg/L		0.01	SW846-6010A
Calcium		46.5	mg/L		1	SW846-6010A
Chromium	U	0.05	mg/L		0.05	SW846-6010A
Cobalt		0.047	mg/L		0.01	SW846-6010A
Copper	U	0.05	mg/L		0.05	SW846-6010A
Iron		2.01	mg/L		0.2	SW846-6010A
Magnesium		18.7	mg/L		0.05	SW846-6010A
Manganese		4.8	mg/L		0.05	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Potassium		2.03	mg/L		2	SW846-6010A
Sodium		49.8	mg/L		2	SW846-6010A
Vanadium	U	0.05	mg/L		0.05	SW846-6010A
Zinc	BU	0.2	mg/L		0.2	SW846-6010A

006022WA085-5

Collected: 1/19/2000

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum		0.822	mg/L		0.2	SW846-6010A
Barium		0.195	mg/L		0.05	SW846-6010A
Beryllium	U	0.01	mg/L		0.01	SW846-6010A
Calcium		46.7	mg/L		1	SW846-6010A
Chromium	U	0.05	mg/L		0.05	SW846-6010A
Cobalt		0.052	mg/L		0.01	SW846-6010A
Copper	U	0.05	mg/L		0.05	SW846-6010A
Iron		1.72	mg/L		0.2	SW846-6010A
Magnesium		18.5	mg/L		0.05	SW846-6010A
Manganese		5.34	mg/L		0.05	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Potassium		2.04	mg/L		2	SW846-6010A
Sodium		49.5	mg/L		2	SW846-6010A
Vanadium	U	0.05	mg/L		0.05	SW846-6010A
Zinc	BU	0.2	mg/L		0.2	SW846-6010A

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**006-023**

**ERI99-W3-6**

**WAG 3 - SWMU 6**

**006023WA085**

Collected: 1/14/2000

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	N	53.8	mg/L		0.2	SW846-6010A
Barium	N	0.477	mg/L		0.05	SW846-6010A
Beryllium	BU	0.01	mg/L		0.01	SW846-6010A
Cadmium	U	0.01	mg/L		0.01	SW846-6010A
Calcium	N	43.9	mg/L		1	SW846-6010A
Chromium		0.514	mg/L		0.05	SW846-6010A
Cobalt		0.051	mg/L		0.01	SW846-6010A
Copper	B	0.104	mg/L		0.05	SW846-6010A
Iron	N	126	mg/L		0.2	SW846-6010A
Magnesium	N	20.3	mg/L		0.05	SW846-6010A
Manganese	N	1.88	mg/L		0.05	SW846-6010A
Mercury	BUW	0.0002	mg/L		0.0002	SW846-7470
Nickel		0.243	mg/L		0.05	SW846-6010A
Potassium	N	3.87	mg/L		2	SW846-6010A
Selenium	NUW	0.005	mg/L		0.005	SW846-7740
Silver	BNU	0.05	mg/L		0.05	SW846-6010A
Sodium	N	73.6	mg/L		2	SW846-6010A
Thallium	NU	0.2	mg/L		0.2	SW846-6010A
Vanadium		0.17	mg/L		0.05	SW846-6010A
Zinc	N	0.463	mg/L		0.2	SW846-6010A
<b>PCCB</b>						
PCB-1016	JU	0.00017	mg/L		0.0002	SW846-8082
PCB-1221	JU	0.00017	mg/L		0.0002	SW846-8082
PCB-1232	JU	0.00015	mg/L		0.0002	SW846-8082
PCB-1242	JU	0.00016	mg/L		0.0002	SW846-8082
PCB-1248	JU	0.00016	mg/L		0.0002	SW846-8082
PCB-1254	JU	0.00013	mg/L		0.0001	SW846-8082
PCB-1260	JU	0.00017	mg/L		0.0002	SW846-8082
PCB-1268	JU	0.00009	mg/L		9E-05	SW846-8082
Polychlorinated biphenyl	JU	0.00017	mg/L		0.0002	SW846-8082
<b>RADS</b>						
Alpha activity		8.21	pCi/L	1.86	5.7	EPA-900.0
Americium-241	U	-7.27	pCi/L	14.5	65.6	RL-7124
Beta activity		813.46	pCi/L	27.25	8.94	EPA-900.0
Neptunium-237	U	-8.29	pCi/L	16.6	48.6	RL-7124
Plutonium-239/240	A	-0.0287	pCi/L	0.207	1.16	RL-7120
Technetium-99		823	pCi/L	29.8	17.9	RL-7100
Thorium-234	U	-199	pCi/L	399	475	RL-7124
<b>SVOA</b>						
1,2,4-Trichlorobenzene	JU	0.005	mg/L	0	0.005	SW846-8270
1,2-Dichlorobenzene	JU	0.005	mg/L	0	0.005	SW846-8270
1,3-Dichlorobenzene	JU	0.005	mg/L	0	0.005	SW846-8270
1,4-Dichlorobenzene	JU	0.005	mg/L	0	0.005	SW846-8270
2,4,5-Trichlorophenol	JU	0.005	mg/L	0	0.005	SW846-8270
2,4,6-Trichlorophenol	JU	0.005	mg/L	0	0.005	SW846-8270
2,4-Dichlorophenol	JU	0.005	mg/L	0	0.005	SW846-8270
2,4-Dimethylphenol	JU	0.005	mg/L	0	0.005	SW846-8270
2,4-Dinitrophenol	JU	0.005	mg/L	0	0.005	SW846-8270
2,4-Dinitrotoluene	JU	0.005	mg/L	0	0.005	SW846-8270

## 006-023

## ERI99-W3-6

## WAG 3 - SWMU 6

2,6-Dinitrotoluene	JU	0.005	mg/L	0	0.005	SW846-8270
2-Chloronaphthalene	JU	0.005	mg/L	0	0.005	SW846-8270
2-Chlorophenol	JU	0.005	mg/L	0	0.005	SW846-8270
2-Methyl-4,6-dinitrophenol	JU	0.005	mg/L	0	0.005	SW846-8270
2-Methylnaphthalene	JU	0.005	mg/L	0	0.005	SW846-8270
2-Methylphenol	JU	0.005	mg/L	0	0.005	SW846-8270
2-Nitrobenzenamine	JU	0.005	mg/L	0	0.005	SW846-8270
2-Nitrophenol	JU	0.005	mg/L	0	0.005	SW846-8270
3,3'-Dichlorobenzidine	JU	0.005	mg/L	0	0.005	SW846-8270
3-Nitrobenzenamine	JU	0.005	mg/L	0	0.005	SW846-8270
4-Bromophenyl phenyl ether	JU	0.005	mg/L	0	0.005	SW846-8270
4-Chloro-3-methylphenol	JU	0.005	mg/L	0	0.005	SW846-8270
4-Chlorobenzenamine	JU	0.005	mg/L	0	0.005	SW846-8270
4-Chlorophenyl phenyl ether	JU	0.005	mg/L	0	0.005	SW846-8270
4-Methylphenol	JU	0.005	mg/L	0	0.005	SW846-8270
4-Nitrobenzenamine	JU	0.005	mg/L	0	0.005	SW846-8270
4-Nitrophenol	JU	0.005	mg/L	0	0.005	SW846-8270
Acenaphthene	JU	0.005	mg/L	0	0.005	SW846-8270
Acenaphthylene	JU	0.005	mg/L	0	0.005	SW846-8270
Anthracene	JU	0.005	mg/L	0	0.005	SW846-8270
Benz(a)anthracene	JU	0.005	mg/L	0	0.005	SW846-8270
Benzo(a)pyrene	JU	0.005	mg/L	0	0.005	SW846-8270
Benzo(b)fluoranthene	JU	0.005	mg/L	0	0.005	SW846-8270
Benzo(ghi)perylene	JU	0.005	mg/L	0	0.005	SW846-8270
Benzo(k)fluoranthene	JU	0.005	mg/L	0	0.005	SW846-8270
Bis(2-chloroethoxy)methane	JU	0.005	mg/L	0	0.005	SW846-8270
Bis(2-chloroethyl) ether	JU	0.005	mg/L	0	0.005	SW846-8270
Bis(2-chloroisopropyl) ether	JU	0.005	mg/L	0	0.005	SW846-8270
Bis(2-ethylhexyl)phthalate	JU	0.005	mg/L	0	0.005	SW846-8270
Butyl benzyl phthalate	JU	0.005	mg/L	0	0.005	SW846-8270
Carbazole	JU	0.005	mg/L	0	0.005	SW846-8270
Chrysene	JU	0.005	mg/L	0	0.005	SW846-8270
Dibenz(a,h)anthracene	JU	0.005	mg/L	0	0.005	SW846-8270
Dibenzofuran	JU	0.005	mg/L	0	0.005	SW846-8270
Diethyl phthalate	JU	0.005	mg/L	0	0.005	SW846-8270
Dimethyl phthalate	JU	0.005	mg/L	0	0.005	SW846-8270
Di-n-butyl phthalate	JU	0.005	mg/L	0	0.005	SW846-8270
Di-n-octylphthalate	JU	0.005	mg/L	0	0.005	SW846-8270
Fluoranthene	JU	0.005	mg/L	0	0.005	SW846-8270
Fluorene	JU	0.005	mg/L	0	0.005	SW846-8270
Hexachlorobenzene	JU	0.005	mg/L	0	0.005	SW846-8270
Hexachlorobutadiene	JU	0.005	mg/L	0	0.005	SW846-8270
Hexachlorocyclopentadiene	JU	0.005	mg/L	0	0.005	SW846-8270
Hexachloroethane	JU	0.005	mg/L	0	0.005	SW846-8270
Indeno(1,2,3-cd)pyrene	JU	0.005	mg/L	0	0.005	SW846-8270
Isophorone	JU	0.005	mg/L	0	0.005	SW846-8270
Naphthalene	JU	0.005	mg/L	0	0.005	SW846-8270
Nitrobenzene	JU	0.005	mg/L	0	0.005	SW846-8270
N-Nitroso-di-n-propylamine	JU	0.005	mg/L	0	0.005	SW846-8270
N-Nitrosodiphenylamine	JU	0.005	mg/L	0	0.005	SW846-8270
Pentachlorophenol	JU	0.005	mg/L	0	0.005	SW846-8270
Phenanthrene	JU	0.005	mg/L	0	0.005	SW846-8270
Phenol	JU	0.005	mg/L	0	0.005	SW846-8270
Pyrene	JU	0.005	mg/L	0	0.005	SW846-8270
Pyridine	JU	0.005	mg/L	0	0.005	SW846-8270

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ERI99-W3-6

WAG 3 - SWMU 6

VOA

1,1,1-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dimethylbenzene	U	0.005	mg/L	0.005	SW846-8260
2-Butanone	JU	0.01	mg/L	0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L	0.01	SW846-8260
Acetone	U	0.01	mg/L	0.01	SW846-8260
Benzene	U	0.005	mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromoform	U	0.005	mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L	0.005	SW846-8260
Chloroethane	U	0.005	mg/L	0.005	SW846-8260
Chloromethane	U	0.005	mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	JU	0.005	mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L	0.005	SW846-8260
m,p-Xylene	U	0.01	mg/L	0.01	SW846-8260
Methylene chloride	U	0.01	mg/L	0.01	SW846-8260
Styrene	U	0.005	mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L	0.005	SW846-8260
Toluene	U	0.005	mg/L	0.005	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Trichloroethene	U	0.001	mg/L	0.001	SW846-8260
<b>WETCHEM</b>					
Cyanide	UX	0.02	mg/L	0.02	SW846-9014

006023WA085-45

Collected: 1/14/2000

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium		0.125	mg/L		0.05	SW846-6010A
Calcium		40.2	mg/L		1	SW846-6010A
Chromium	U	0.05	mg/L		0.05	SW846-6010A
Cobalt		0.02	mg/L		0.01	SW846-6010A
Copper	U	0.05	mg/L		0.05	SW846-6010A
Iron		1.39	mg/L		0.2	SW846-6010A
Magnesium		17.4	mg/L		0.05	SW846-6010A
Manganese		0.914	mg/L		0.05	SW846-6010A
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Potassium	U	2	mg/L		2	SW846-6010A
Sodium		78.2	mg/L		2	SW846-6010A
Vanadium	U	0.05	mg/L		0.05	SW846-6010A
Zinc	BU	0.2	mg/L		0.2	SW846-6010A

# Paducah-OREIS Data Report

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**006-023**

**ERI99-W3-6**

**WAG 3 - SWMU 6**

**006023WA085-5**

Collected: 1/14/2000

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum		0.847	mg/L		0.2	SW846-6010A
Barium		0.129	mg/L		0.05	SW846-6010A
Calcium		41.1	mg/L		1	SW846-6010A
Chromium	U	0.05	mg/L		0.05	SW846-6010A
Cobalt		0.022	mg/L		0.01	SW846-6010A
Copper	U	0.05	mg/L		0.05	SW846-6010A
Iron		2.09	mg/L		0.2	SW846-6010A
Magnesium		17.6	mg/L		0.05	SW846-6010A
Manganese		0.924	mg/L		0.05	SW846-6010A
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Potassium	U	2	mg/L		2	SW846-6010A
Sodium		80	mg/L		2	SW846-6010A
Vanadium	U	0.05	mg/L		0.05	SW846-6010A
Zinc	BU	0.2	mg/L		0.2	SW846-6010A

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**006-024**

**ERI99-W3-6**

**WAG 3 - SWMU 6**

**006024WA070**

Collected: 9/21/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	*N	41.8	mg/L		0.2	SW846-6010A
Barium		0.488	mg/L		0.05	SW846-6010A
Beryllium	BU	0.005	mg/L		0.005	SW846-6010A
Cadmium	BU	0.01	mg/L		0.01	SW846-6010A
Calcium		15	mg/L		0.5	SW846-6010A
Chromium	U	0.05	mg/L		0.05	SW846-6010A
Cobalt		0.062	mg/L		0.01	SW846-6010A
Copper	BU	0.05	mg/L		0.05	SW846-6010A
Iron	*N	63.8	mg/L		0.2	SW846-6010A
Magnesium		7.87	mg/L		0.05	SW846-6010A
Manganese		5.58	mg/L		0.05	SW846-6010A
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470
Nickel		0.05	mg/L		0.05	SW846-6010A
Potassium		3.96	mg/L		2	SW846-6010A
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Silver	BU	0.05	mg/L		0.05	SW846-6010A
Sodium		15.3	mg/L		2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Vanadium	U	0.1	mg/L		0.1	SW846-6010A
Zinc	BU	0.2	mg/L		0.2	SW846-6010A
<b>PCCB</b>						
PCB-1221	U	0.1	mg/L		0.1	SW846-8082 M
PCB-1232	U	0.1	mg/L		0.1	SW846-8082 M
<b>RADS</b>						
Alpha activity	A	-0.02	pCi/L	0.72	1.4	SW846-9310
Beta activity		2.9	pCi/L	1.5	2.4	SW846-9310
Technetium-99	A	4.8	pCi/L	8.3	14	DNT
<b>SVOA</b>						
1,2,4-Trichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,2-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,3-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,4-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
2,4,5-Trichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4,6-Trichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dimethylphenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dinitrotoluene	U	0.01	mg/L		0.01	SW846-8270 M
2,6-Dinitrotoluene	U	0.01	mg/L		0.01	SW846-8270 M
2-Chloronaphthalene	U	0.01	mg/L		0.01	SW846-8270 M
2-Chlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Methyl-4,6-dinitrophenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Methylnaphthalene	U	0.01	mg/L		0.01	SW846-8270 M
2-Methylphenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Nitrobenzenamine	U	0.01	mg/L		0.01	SW846-8270 M
2-Nitrophenol	U	0.01	mg/L		0.01	SW846-8270 M
3,3'-Dichlorobenzidine	U	0.01	mg/L		0.01	SW846-8270 M
3-Nitrobenzenamine	U	0.01	mg/L		0.01	SW846-8270 M
4-Bromophenyl phenyl ether	U	0.01	mg/L		0.01	SW846-8270 M
4-Chloro-3-methylphenol	U	0.01	mg/L		0.01	SW846-8270 M

## 006-024

## ERI99-W3-6

## WAG 3 - SWMU 6

4-Chlorobenzeneamine	U	0.01	mg/L	0.01	SW846-8270 M
4-Chlorophenyl phenyl ether	U	0.01	mg/L	0.01	SW846-8270 M
4-Methylphenol	U	0.01	mg/L	0.01	SW846-8270 M
4-Nitrobenzeneamine	U	0.01	mg/L	0.01	SW846-8270 M
4-Nitrophenol	U	0.01	mg/L	0.01	SW846-8270 M
Acenaphthene	U	0.01	mg/L	0.01	SW846-8270 M
Acenaphthylene	U	0.01	mg/L	0.01	SW846-8270 M
Anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Benz(a)anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(a)pyrene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(b)fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(ghi)perylene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(k)fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroethoxy)methane	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroethyl) ether	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroisopropyl) ether	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-ethylhexyl)phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Carbazole	U	0.01	mg/L	0.01	SW846-8270 M
Chrysene	U	0.01	mg/L	0.01	SW846-8270 M
Dibenz(a,h)anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Dibenzofuran	U	0.01	mg/L	0.01	SW846-8270 M
Diethyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Dimethyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Di-n-butyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Di-n-octylphthalate	U	0.01	mg/L	0.01	SW846-8270 M
Fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Fluorene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorobenzene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorobutadiene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorocyclopentadiene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachloroethane	U	0.01	mg/L	0.01	SW846-8270 M
Indeno(1,2,3-cd)pyrene	U	0.01	mg/L	0.01	SW846-8270 M
Isophorone	U	0.01	mg/L	0.01	SW846-8270 M
Naphthalene	U	0.01	mg/L	0.01	SW846-8270 M
Nitrobenzene	U	0.01	mg/L	0.01	SW846-8270 M
N-Nitroso-di-n-propylamine	U	0.01	mg/L	0.01	SW846-8270 M
N-Nitrosodiphenylamine	U	0.01	mg/L	0.01	SW846-8270 M
Pentachlorophenol	U	0.01	mg/L	0.01	SW846-8270 M
Phenanthrene	U	0.01	mg/L	0.01	SW846-8270 M
Phenol	U	0.01	mg/L	0.01	SW846-8270 M
Pyrene	U	0.01	mg/L	0.01	SW846-8270 M
<b>VOA</b>					
1,1-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
cis-1,2-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
trans-1,2-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
Trichloroethene		0.006	mg/L	0.001	SW846-8021 M
Vinyl chloride	U	0.001	mg/L	0.001	SW846-8021 M
<b>WETCHEM</b>					
Cyanide	U	0.02	mg/L	0.02	SW846-9014



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**006-024**

**ERI99-W3-6**

**WAG 3 - SWMU 6**

**006024WA070-45**

Collected: 9/21/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium		0.118	mg/L		0.05	SW846-6010A
Calcium	N	13.4	mg/L		0.5	SW846-6010A
Cobalt		0.011	mg/L		0.01	SW846-6010A
Iron	U	0.2	mg/L		0.2	SW846-6010A
Magnesium		5.73	mg/L		0.05	SW846-6010A
Manganese	N	1.39	mg/L		0.05	SW846-6010A
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Potassium	U	2	mg/L		2	SW846-6010A
Sodium		15.1	mg/L		2	SW846-6010A

**006024WA070-5**

Collected: 9/21/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum		0.343	mg/L		0.2	SW846-6010A
Barium		0.117	mg/L		0.05	SW846-6010A
Calcium	N	13.7	mg/L		0.5	SW846-6010A
Cobalt		0.011	mg/L		0.01	SW846-6010A
Iron	N	0.322	mg/L		0.2	SW846-6010A
Magnesium		5.75	mg/L		0.05	SW846-6010A
Manganese		1.35	mg/L		0.05	SW846-6010A
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Potassium	U	2	mg/L		2	SW846-6010A
Sodium	N	15.4	mg/L		2	SW846-6010A

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**006-024**

**ERI99-W3-6**

**WAG 3 - SWMU 6**

**006024WA075**

Collected: 9/21/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	*N	23.6	mg/L		0.2	SW846-6010A
Barium		0.565	mg/L		0.05	SW846-6010A
Beryllium	BU	0.005	mg/L		0.005	SW846-6010A
Cadmium	BU	0.01	mg/L		0.01	SW846-6010A
Calcium		15.9	mg/L		0.5	SW846-6010A
Chromium		0.05	mg/L		0.05	SW846-6010A
Cobalt		0.09	mg/L		0.01	SW846-6010A
Copper	BU	0.05	mg/L		0.05	SW846-6010A
Iron	*N	78.1	mg/L		0.2	SW846-6010A
Magnesium		7.19	mg/L		0.05	SW846-6010A
Manganese		9.36	mg/L		0.05	SW846-6010A
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470
Nickel		0.111	mg/L		0.05	SW846-6010A
Potassium		3.05	mg/L		2	SW846-6010A
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Silver	BU	0.05	mg/L		0.05	SW846-6010A
Sodium		13.8	mg/L		2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Vanadium	U	0.1	mg/L		0.1	SW846-6010A
Zinc	B	0.23	mg/L		0.2	SW846-6010A
<b>PCCB</b>						
PCB-1221	U	0.1	mg/L		0.1	SW846-8082 M
PCB-1232	U	0.1	mg/L		0.1	SW846-8082 M
<b>RADS</b>						
Alpha activity	A	1.3	pCi/L	1.2	1.9	SW846-9310
Beta activity		4.1	pCi/L	1.6	2.4	SW846-9310
Technetium-99		16.9	pCi/L	8.7	14	DNT
<b>SVOA</b>						
1,2,4-Trichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,2-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,3-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,4-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
2,4,5-Trichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4,6-Trichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dimethylphenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dinitrotoluene	U	0.01	mg/L		0.01	SW846-8270 M
2,6-Dinitrotoluene	U	0.01	mg/L		0.01	SW846-8270 M
2-Chloronaphthalene	U	0.01	mg/L		0.01	SW846-8270 M
2-Chlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Methyl-4,6-dinitrophenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Methylnaphthalene	U	0.01	mg/L		0.01	SW846-8270 M
2-Methylphenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Nitrobenzenamine	U	0.01	mg/L		0.01	SW846-8270 M
2-Nitrophenol	U	0.01	mg/L		0.01	SW846-8270 M
3,3'-Dichlorobenzidine	U	0.01	mg/L		0.01	SW846-8270 M
3-Nitrobenzenamine	U	0.01	mg/L		0.01	SW846-8270 M
4-Bromophenyl phenyl ether	U	0.01	mg/L		0.01	SW846-8270 M
4-Chloro-3-methylphenol	U	0.01	mg/L		0.01	SW846-8270 M

## 006-024

## ERI99-W3-6

## WAG 3 - SWMU 6

4-Chlorobenzeneamine	U	0.01	mg/L	0.01	SW846-8270 M
4-Chlorophenyl phenyl ether	U	0.01	mg/L	0.01	SW846-8270 M
4-Methylphenol	U	0.01	mg/L	0.01	SW846-8270 M
4-Nitrobenzeneamine	U	0.01	mg/L	0.01	SW846-8270 M
4-Nitrophenol	U	0.01	mg/L	0.01	SW846-8270 M
Acenaphthene	U	0.01	mg/L	0.01	SW846-8270 M
Acenaphthylene	U	0.01	mg/L	0.01	SW846-8270 M
Anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Benz(a)anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(a)pyrene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(b)fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(ghi)perylene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(k)fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroethoxy)methane	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroethyl) ether	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroisopropyl) ether	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-ethylhexyl)phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Carbazole	U	0.01	mg/L	0.01	SW846-8270 M
Chrysene	U	0.01	mg/L	0.01	SW846-8270 M
Dibenz(a,h)anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Dibenzofuran	U	0.01	mg/L	0.01	SW846-8270 M
Diethyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Dimethyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Di-n-butyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Di-n-octylphthalate	U	0.01	mg/L	0.01	SW846-8270 M
Fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Fluorene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorobenzene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorobutadiene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorocyclopentadiene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachloroethane	U	0.01	mg/L	0.01	SW846-8270 M
Indeno(1,2,3-cd)pyrene	U	0.01	mg/L	0.01	SW846-8270 M
Isophorone	U	0.01	mg/L	0.01	SW846-8270 M
Naphthalene	U	0.01	mg/L	0.01	SW846-8270 M
Nitrobenzene	U	0.01	mg/L	0.01	SW846-8270 M
N-Nitroso-di-n-propylamine	U	0.01	mg/L	0.01	SW846-8270 M
N-Nitrosodiphenylamine	U	0.01	mg/L	0.01	SW846-8270 M
Pentachlorophenol	U	0.01	mg/L	0.01	SW846-8270 M
Phenanthrene	U	0.01	mg/L	0.01	SW846-8270 M
Phenol	U	0.01	mg/L	0.01	SW846-8270 M
Pyrene	U	0.01	mg/L	0.01	SW846-8270 M

## VOA

1,1,1-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,1,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
1,2-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dimethylbenzene	U	0.005	mg/L	0.005	SW846-8260
2-Butanone	U	0.01	mg/L	0.01	SW846-8260
2-Hexanone	U	0.01	mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L	0.01	SW846-8260
Acetone	JU	0.01	mg/L	0.01	SW846-8260
Benzene	U	0.005	mg/L	0.005	SW846-8260

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ERI99-W3-6

WAG 3 - SWMU 6

Bromodichloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromoform	U	0.005	mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L	0.005	SW846-8260
Chloroethane	U	0.005	mg/L	0.005	SW846-8260
Chloromethane	JU	0.005	mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
cis-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L	0.005	SW846-8260
m,p-Xylene	U	0.01	mg/L	0.01	SW846-8260
Methylene chloride	U	0.01	mg/L	0.01	SW846-8260
Styrene	U	0.005	mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L	0.005	SW846-8260
Toluene	U	0.005	mg/L	0.005	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
trans-1,2-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
trans-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Trichloroethene		0.005	mg/L	0.001	SW846-8260
Trichloroethene		0.005	mg/L	0.001	SW846-8021 M
Vinyl chloride	U	0.001	mg/L	0.001	SW846-8021 M
<b>WETCHEM</b>					
Cyanide	U	0.02	mg/L	0.02	SW846-9014

006024WA075-45

Collected: 9/21/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium		0.173	mg/L		0.05	SW846-6010A
Calcium	N	13.2	mg/L		0.5	SW846-6010A
Chromium	U	0.05	mg/L		0.05	SW846-6010A
Cobalt		0.02	mg/L		0.01	SW846-6010A
Iron	U	0.2	mg/L		0.2	SW846-6010A
Magnesium		5.76	mg/L		0.05	SW846-6010A
Manganese	N	2.96	mg/L		0.05	SW846-6010A
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Potassium	U	2	mg/L		2	SW846-6010A
Sodium		11.6	mg/L		2	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A

# Paducah-OREIS Data Report

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**006-024**

**ERI99-W3-6**

**WAG 3 - SWMU 6**

**006024WA080**

Collected: 9/21/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	*N	1.37	mg/L		0.2	SW846-6010A
Barium		0.478	mg/L		0.05	SW846-6010A
Beryllium	BU	0.005	mg/L		0.005	SW846-6010A
Cadmium	BU	0.01	mg/L		0.01	SW846-6010A
Calcium		13.7	mg/L		0.5	SW846-6010A
Chromium	U	0.05	mg/L		0.05	SW846-6010A
Cobalt	B	0.019	mg/L		0.01	SW846-6010A
Copper	BU	0.05	mg/L		0.05	SW846-6010A
Iron	*N	9.28	mg/L		0.2	SW846-6010A
Magnesium		5.65	mg/L		0.05	SW846-6010A
Manganese		4.49	mg/L		0.05	SW846-6010A
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Potassium	BU	2	mg/L		2	SW846-6010A
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Silver	BU	0.05	mg/L		0.05	SW846-6010A
Sodium		12.7	mg/L		2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Vanadium	BU	0.1	mg/L		0.1	SW846-6010A
Zinc	BU	0.2	mg/L		0.2	SW846-6010A
<b>PCCB</b>						
PCB-1221	U	0.1	mg/L		0.1	SW846-8082 M
PCB-1232	U	0.1	mg/L		0.1	SW846-8082 M
<b>RADS</b>						
Alpha activity	A	-0.6	pCi/L	1	2.2	SW846-9310
Beta activity		3.2	pCi/L	1.5	2.4	SW846-9310
Technetium-99	A	10.1	pCi/L	8.5	14	DNT
<b>SVOA</b>						
1,2,4-Trichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,2-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,3-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,4-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
2,4,5-Trichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4,6-Trichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dimethylphenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dinitrotoluene	U	0.01	mg/L		0.01	SW846-8270 M
2,6-Dinitrotoluene	U	0.01	mg/L		0.01	SW846-8270 M
2-Chloronaphthalene	U	0.01	mg/L		0.01	SW846-8270 M
2-Chlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Methyl-4,6-dinitrophenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Methylnaphthalene	U	0.01	mg/L		0.01	SW846-8270 M
2-Methylphenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Nitrobenzenamine	U	0.01	mg/L		0.01	SW846-8270 M
2-Nitrophenol	U	0.01	mg/L		0.01	SW846-8270 M
3,3'-Dichlorobenzidine	U	0.01	mg/L		0.01	SW846-8270 M
3-Nitrobenzenamine	U	0.01	mg/L		0.01	SW846-8270 M
4-Bromophenyl phenyl ether	U	0.01	mg/L		0.01	SW846-8270 M
4-Chloro-3-methylphenol	U	0.01	mg/L		0.01	SW846-8270 M

## 006-024

## ERI99-W3-6

## WAG 3 - SWMU 6

4-Chlorobenzamine	U	0.01	mg/L	0.01	SW846-8270 M
4-Chlorophenyl phenyl ether	U	0.01	mg/L	0.01	SW846-8270 M
4-Methylphenol	U	0.01	mg/L	0.01	SW846-8270 M
4-Nitrobenzamine	U	0.01	mg/L	0.01	SW846-8270 M
4-Nitrophenol	U	0.01	mg/L	0.01	SW846-8270 M
Acenaphthene	U	0.01	mg/L	0.01	SW846-8270 M
Acenaphthylene	U	0.01	mg/L	0.01	SW846-8270 M
Anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Benz(a)anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(a)pyrene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(b)fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(ghi)perylene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(k)fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroethoxy)methane	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroethyl) ether	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroisopropyl) ether	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-ethylhexyl)phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Carbazole	U	0.01	mg/L	0.01	SW846-8270 M
Chrysene	U	0.01	mg/L	0.01	SW846-8270 M
Dibenz(a,h)anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Dibenzofuran	U	0.01	mg/L	0.01	SW846-8270 M
Diethyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Dimethyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Di-n-butyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Di-n-octylphthalate	U	0.01	mg/L	0.01	SW846-8270 M
Fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Fluorene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorobenzene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorobutadiene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorocyclopentadiene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachloroethane	U	0.01	mg/L	0.01	SW846-8270 M
Indeno(1,2,3-cd)pyrene	U	0.01	mg/L	0.01	SW846-8270 M
Isophorone	U	0.01	mg/L	0.01	SW846-8270 M
Naphthalene	U	0.01	mg/L	0.01	SW846-8270 M
Nitrobenzene	U	0.01	mg/L	0.01	SW846-8270 M
N-Nitroso-di-n-propylamine	U	0.01	mg/L	0.01	SW846-8270 M
N-Nitrosodiphenylamine	U	0.01	mg/L	0.01	SW846-8270 M
Pentachlorophenol	U	0.01	mg/L	0.01	SW846-8270 M
Phenanthrene	U	0.01	mg/L	0.01	SW846-8270 M
Phenol	U	0.01	mg/L	0.01	SW846-8270 M
Pyrene	U	0.01	mg/L	0.01	SW846-8270 M
<b>VOA</b>					
1,1-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
cis-1,2-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
trans-1,2-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
Trichloroethene		0.006	mg/L	0.001	SW846-8021 M
Vinyl chloride	U	0.001	mg/L	0.001	SW846-8021 M
<b>WETCHEM</b>					
Cyanide	U	0.02	mg/L	0.02	SW846-9014

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**006-024**

**ERI99-W3-6**

**WAG 3 - SWMU 6**

**006024WA080-45**

Collected: 9/21/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium		0.113	mg/L		0.05	SW846-6010A
Calcium	N	13.2	mg/L		0.5	SW846-6010A
Cobalt	U	0.01	mg/L		0.01	SW846-6010A
Iron	U	0.2	mg/L		0.2	SW846-6010A
Magnesium		5.76	mg/L		0.05	SW846-6010A
Manganese	N	1.61	mg/L		0.05	SW846-6010A
Sodium		11.6	mg/L		2	SW846-6010A

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006-024

ERI99-W3-6

WAG 3 - SWMU 6

006024WA085

Collected: 9/21/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		27.7	mg/L		2	SW846-9056
Fluoride		0.14	mg/L		0.1	EPA-340.2
Nitrate	U	4	mg/L		4	SW846-9056
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Orthophosphate	JU	6	mg/L		6	SW846-9056
Sulfate		9	mg/L		5	SW846-9056
<b>METAL</b>						
Aluminum	*N	19.4	mg/L		0.2	SW846-6010A
Barium		0.509	mg/L		0.05	SW846-6010A
Beryllium	BU	0.005	mg/L		0.005	SW846-6010A
Cadmium	BU	0.01	mg/L		0.01	SW846-6010A
Calcium		17.4	mg/L		0.5	SW846-6010A
Chromium	U	0.05	mg/L		0.05	SW846-6010A
Cobalt	B	0.046	mg/L		0.01	SW846-6010A
Copper	BU	0.05	mg/L		0.05	SW846-6010A
Iron	*N	52.7	mg/L		0.2	SW846-6010A
Magnesium		7.82	mg/L		0.05	SW846-6010A
Manganese		5.58	mg/L		0.05	SW846-6010A
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470
Nickel		0.055	mg/L		0.05	SW846-6010A
Potassium		2.3	mg/L		2	SW846-6010A
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Silver	BU	0.05	mg/L		0.05	SW846-6010A
Sodium		14.1	mg/L		2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Vanadium	BU	0.1	mg/L		0.1	SW846-6010A
Zinc	BU	0.2	mg/L		0.2	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		126	mg/L		100	EPA-160.2
pH		6.52	none			SW846-9040
Redox		173	mV			SM-2580-B
<b>PCCB</b>						
PCB-1221	U	0.1	mg/L		0.1	SW846-8082 M
PCB-1232	U	0.1	mg/L		0.1	SW846-8082 M
<b>RADS</b>						
Alpha activity	A	1.7	pCi/L	1.7	2.7	SW846-9310
Beta activity		6.1	pCi/L	1.8	2.6	SW846-9310
Technetium-99	A	9.5	pCi/L	8.5	14	DNT
<b>SVOA</b>						
1,2,4-Trichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,2-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,3-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,4-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
2,4,5-Trichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4,6-Trichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dimethylphenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dinitrophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dinitrotoluene	U	0.01	mg/L		0.01	SW846-8270 M



## 006-024

## ERI99-W3-6

## WAG 3 - SWMU 6

2,6-Dinitrotoluene	U	0.01	mg/L	0.01	SW846-8270 M
2-Chloronaphthalene	U	0.01	mg/L	0.01	SW846-8270 M
2-Chlorophenol	U	0.01	mg/L	0.01	SW846-8270 M
2-Methyl-4,6-dinitrophenol	U	0.01	mg/L	0.01	SW846-8270 M
2-Methylnaphthalene	U	0.01	mg/L	0.01	SW846-8270 M
2-Methylphenol	U	0.01	mg/L	0.01	SW846-8270 M
2-Nitrobenzenamine	U	0.01	mg/L	0.01	SW846-8270 M
2-Nitrophenol	U	0.01	mg/L	0.01	SW846-8270 M
3,3'-Dichlorobenzidine	U	0.01	mg/L	0.01	SW846-8270 M
3-Nitrobenzenamine	U	0.01	mg/L	0.01	SW846-8270 M
4-Bromophenyl phenyl ether	U	0.01	mg/L	0.01	SW846-8270 M
4-Chloro-3-methylphenol	U	0.01	mg/L	0.01	SW846-8270 M
4-Chlorobenzenamine	U	0.01	mg/L	0.01	SW846-8270 M
4-Chlorophenyl phenyl ether	U	0.01	mg/L	0.01	SW846-8270 M
4-Methylphenol	U	0.01	mg/L	0.01	SW846-8270 M
4-Nitrobenzenamine	U	0.01	mg/L	0.01	SW846-8270 M
4-Nitrophenol	U	0.01	mg/L	0.01	SW846-8270 M
Acenaphthene	U	0.01	mg/L	0.01	SW846-8270 M
Acenaphthylene	U	0.01	mg/L	0.01	SW846-8270 M
Anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Benz(a)anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(a)pyrene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(b)fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(ghi)perylene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(k)fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroethoxy)methane	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroethyl) ether	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroisopropyl) ether	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-ethylhexyl)phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Butyl benzyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Carbazole	U	0.01	mg/L	0.01	SW846-8270 M
Chrysene	U	0.01	mg/L	0.01	SW846-8270 M
Dibenz(a,h)anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Dibenzofuran	U	0.01	mg/L	0.01	SW846-8270 M
Diethyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Dimethyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Di-n-butyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Di-n-octylphthalate	U	0.01	mg/L	0.01	SW846-8270 M
Fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Fluorene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorobenzene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorobutadiene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorocyclopentadiene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachloroethane	U	0.01	mg/L	0.01	SW846-8270 M
Indeno(1,2,3-cd)pyrene	U	0.01	mg/L	0.01	SW846-8270 M
Isophorone	U	0.01	mg/L	0.01	SW846-8270 M
Naphthalene	U	0.01	mg/L	0.01	SW846-8270 M
Nitrobenzene	U	0.01	mg/L	0.01	SW846-8270 M
N-Nitroso-di-n-propylamine	U	0.01	mg/L	0.01	SW846-8270 M
N-Nitrosodiphenylamine	U	0.01	mg/L	0.01	SW846-8270 M
Pentachlorophenol	U	0.01	mg/L	0.01	SW846-8270 M
Phenanthrene	U	0.01	mg/L	0.01	SW846-8270 M
Phenol	U	0.01	mg/L	0.01	SW846-8270 M
Pyrene	U	0.01	mg/L	0.01	SW846-8270 M

## VOA

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006-024

ERI99-W3-6

WAG 3 - SWMU 6

1,1-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
cis-1,2-Dichloroethene	J	0.0002	mg/L	0.001	SW846-8021 M
trans-1,2-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
Trichloroethene		0.019	mg/L	0.001	SW846-8021 M
Vinyl chloride	U	0.001	mg/L	0.001	SW846-8021 M
<b>WETCHEM</b>					
Alkalinity		57	mg/L	10	EPA-310.1
Ammonia	U	0.2	mg/L	0.2	EPA-350.2
Bicarbonate as CaCO3		49	mg/L	10	SM-2320 B 17
Carbonate as CaCO3	U	10	mg/L	10	SM-2320 B 17
Chemical Oxygen Demand (COD)	JU	25	mg/L	25	EPA-410.4 1978
Cyanide	U	0.02	mg/L	0.02	SW846-9014
Phosphate as Phosphorous	JU	2	mg/L	2	SW846-9056
Silica	J	18	mg/L	1	EPA-370.1
Sulfide	U	2	mg/L	2	EPA-376.1
Suspended Solids		937	mg/L	10	EPA-160.1
Total Organic Carbon (TOC)	U	1	mg/L	1	SW846-9060
Turbidity		550	NTU	0.5	EPA-180.1 1978

006024WA085-45

Collected: 9/21/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium		0.111	mg/L		0.05	SW846-6010A
Calcium	N	15.2	mg/L		0.5	SW846-6010A
Cobalt	U	0.01	mg/L		0.01	SW846-6010A
Iron	U	0.2	mg/L		0.2	SW846-6010A
Magnesium		6.82	mg/L		0.05	SW846-6010A
Manganese	N	1.61	mg/L		0.05	SW846-6010A
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Potassium	U	2	mg/L		2	SW846-6010A
Sodium		12.7	mg/L		2	SW846-6010A

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**006-024**

**ERI99-W3-6**

**WAG 3 - SWMU 6**

**006024WA090**

Collected: 9/21/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	*N	4.3	mg/L		0.2	SW846-6010A
Barium		2.02	mg/L		0.05	SW846-6010A
Beryllium	BU	0.005	mg/L		0.005	SW846-6010A
Cadmium	BU	0.01	mg/L		0.01	SW846-6010A
Calcium		17.4	mg/L		0.5	SW846-6010A
Chromium	U	0.05	mg/L		0.05	SW846-6010A
Cobalt	B	0.017	mg/L		0.01	SW846-6010A
Copper	BU	0.05	mg/L		0.05	SW846-6010A
Iron	*N	139	mg/L		0.2	SW846-6010A
Magnesium		7.06	mg/L		0.05	SW846-6010A
Manganese		15.6	mg/L		0.05	SW846-6010A
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Potassium	BU	2	mg/L		2	SW846-6010A
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Silver	BU	0.05	mg/L		0.05	SW846-6010A
Sodium		14.3	mg/L		2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Vanadium	BU	0.1	mg/L		0.1	SW846-6010A
Zinc	B	0.256	mg/L		0.2	SW846-6010A
<b>PCCB</b>						
PCB-1221	U	0.1	mg/L		0.1	SW846-8082 M
PCB-1232	U	0.1	mg/L		0.1	SW846-8082 M
<b>RADS</b>						
Alpha activity	A	1.5	pCi/L	1.4	2.2	SW846-9310
Beta activity		6.8	pCi/L	1.7	2.4	SW846-9310
Technetium-99		15.3	pCi/L	8.7	14	DNT
<b>SVOA</b>						
1,2,4-Trichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,2-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,3-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,4-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
2,4,5-Trichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4,6-Trichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dimethylphenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dinitrotoluene	U	0.01	mg/L		0.01	SW846-8270 M
2,6-Dinitrotoluene	U	0.01	mg/L		0.01	SW846-8270 M
2-Chloronaphthalene	U	0.01	mg/L		0.01	SW846-8270 M
2-Chlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Methyl-4,6-dinitrophenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Methylnaphthalene	U	0.01	mg/L		0.01	SW846-8270 M
2-Methylphenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Nitrobenzenamine	U	0.01	mg/L		0.01	SW846-8270 M
2-Nitrophenol	U	0.01	mg/L		0.01	SW846-8270 M
3,3'-Dichlorobenzidine	U	0.01	mg/L		0.01	SW846-8270 M
3-Nitrobenzenamine	U	0.01	mg/L		0.01	SW846-8270 M
4-Bromophenyl phenyl ether	U	0.01	mg/L		0.01	SW846-8270 M
4-Chloro-3-methylphenol	U	0.01	mg/L		0.01	SW846-8270 M

## 006-024

## ERI99-W3-6

## WAG 3 - SWMU 6

4-Chlorobenzeneamine	U	0.01	mg/L	0.01	SW846-8270 M
4-Chlorophenyl phenyl ether	U	0.01	mg/L	0.01	SW846-8270 M
4-Methylphenol	U	0.01	mg/L	0.01	SW846-8270 M
4-Nitrobenzeneamine	U	0.01	mg/L	0.01	SW846-8270 M
4-Nitrophenol	U	0.01	mg/L	0.01	SW846-8270 M
Acenaphthene	U	0.01	mg/L	0.01	SW846-8270 M
Acenaphthylene	U	0.01	mg/L	0.01	SW846-8270 M
Anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Benz(a)anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(a)pyrene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(b)fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(ghi)perylene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(k)fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroethoxy)methane	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroethyl) ether	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroisopropyl) ether	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-ethylhexyl)phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Carbazole	U	0.01	mg/L	0.01	SW846-8270 M
Chrysene	U	0.01	mg/L	0.01	SW846-8270 M
Dibenz(a,h)anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Dibenzofuran	U	0.01	mg/L	0.01	SW846-8270 M
Diethyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Dimethyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Di-n-butyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Di-n-octylphthalate	U	0.01	mg/L	0.01	SW846-8270 M
Fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Fluorene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorobenzene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorobutadiene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorocyclopentadiene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachloroethane	U	0.01	mg/L	0.01	SW846-8270 M
Indeno(1,2,3-cd)pyrene	U	0.01	mg/L	0.01	SW846-8270 M
Isophorone	U	0.01	mg/L	0.01	SW846-8270 M
Naphthalene	U	0.01	mg/L	0.01	SW846-8270 M
Nitrobenzene	U	0.01	mg/L	0.01	SW846-8270 M
N-Nitroso-di-n-propylamine	U	0.01	mg/L	0.01	SW846-8270 M
N-Nitrosodiphenylamine	U	0.01	mg/L	0.01	SW846-8270 M
Pentachlorophenol	U	0.01	mg/L	0.01	SW846-8270 M
Phenanthrene	U	0.01	mg/L	0.01	SW846-8270 M
Phenol	U	0.01	mg/L	0.01	SW846-8270 M
Pyrene	U	0.01	mg/L	0.01	SW846-8270 M
<b>VOA</b>					
1,1-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
cis-1,2-Dichloroethene	J	0.0003	mg/L	0.001	SW846-8021 M
trans-1,2-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
Trichloroethene		0.029	mg/L	0.001	SW846-8021 M
Vinyl chloride	U	0.001	mg/L	0.001	SW846-8021 M
<b>WETCHEM</b>					
Cyanide	U	0.02	mg/L	0.02	SW846-9014

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**006-024**

**ERI99-W3-6**

**WAG 3 - SWMU 6**

**006024WA090-45**

Collected: 9/21/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium		0.196	mg/L		0.05	SW846-6010A
Calcium	N	14.8	mg/L		0.5	SW846-6010A
Cobalt	U	0.01	mg/L		0.01	SW846-6010A
Iron	U	0.2	mg/L		0.2	SW846-6010A
Magnesium		6.61	mg/L		0.05	SW846-6010A
Manganese	N	2.51	mg/L		0.05	SW846-6010A
Sodium		11.7	mg/L		2	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A

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**006-024**

**ERI99-W3-6**

**WAG 3 - SWMU 6**

**006024WA095**

Collected: 9/21/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	*N	23.2	mg/L		0.2	SW846-6010A
Barium		3.1	mg/L		0.05	SW846-6010A
Beryllium	B	0.006	mg/L		0.005	SW846-6010A
Cadmium	B	0.011	mg/L		0.01	SW846-6010A
Calcium		22	mg/L		0.5	SW846-6010A
Chromium		0.054	mg/L		0.05	SW846-6010A
Cobalt		0.114	mg/L		0.01	SW846-6010A
Copper	BU	0.05	mg/L		0.05	SW846-6010A
Iron	*N	245	mg/L		0.2	SW846-6010A
Magnesium		10.8	mg/L		0.05	SW846-6010A
Manganese		27.1	mg/L		0.05	SW846-6010A
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Potassium		4.41	mg/L		2	SW846-6010A
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Silver	BU	0.05	mg/L		0.05	SW846-6010A
Sodium		15.7	mg/L		2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Vanadium	U	0.1	mg/L		0.1	SW846-6010A
Zinc	B	0.406	mg/L		0.2	SW846-6010A
<b>PCCB</b>						
PCB-1221	U	0.1	mg/L		0.1	SW846-8082 M
PCB-1232	U	0.1	mg/L		0.1	SW846-8082 M
<b>RADS</b>						
Alpha activity	A	0.6	pCi/L	1	1.8	SW846-9310
Beta activity		10.6	pCi/L	1.8	2.4	SW846-9310
Technetium-99	A	9.9	pCi/L	8.5	14	DNT
<b>SVOA</b>						
1,2,4-Trichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,2-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,3-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,4-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
2,4,5-Trichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4,6-Trichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dimethylphenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dinitrotoluene	U	0.01	mg/L		0.01	SW846-8270 M
2,6-Dinitrotoluene	U	0.01	mg/L		0.01	SW846-8270 M
2-Chloronaphthalene	U	0.01	mg/L		0.01	SW846-8270 M
2-Chlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Methyl-4,6-dinitrophenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Methylnaphthalene	U	0.01	mg/L		0.01	SW846-8270 M
2-Methylphenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Nitrobenzenamine	U	0.01	mg/L		0.01	SW846-8270 M
2-Nitrophenol	U	0.01	mg/L		0.01	SW846-8270 M
3,3'-Dichlorobenzidine	U	0.01	mg/L		0.01	SW846-8270 M
3-Nitrobenzenamine	U	0.01	mg/L		0.01	SW846-8270 M
4-Bromophenyl phenyl ether	U	0.01	mg/L		0.01	SW846-8270 M
4-Chloro-3-methylphenol	U	0.01	mg/L		0.01	SW846-8270 M

## 006-024

## ERI99-W3-6

## WAG 3 - SWMU 6

4-Chlorobenzeneamine	U	0.01	mg/L	0.01	SW846-8270 M
4-Chlorophenyl phenyl ether	U	0.01	mg/L	0.01	SW846-8270 M
4-Methylphenol	U	0.01	mg/L	0.01	SW846-8270 M
4-Nitrobenzeneamine	U	0.01	mg/L	0.01	SW846-8270 M
4-Nitrophenol	U	0.01	mg/L	0.01	SW846-8270 M
Acenaphthene	U	0.01	mg/L	0.01	SW846-8270 M
Acenaphthylene	U	0.01	mg/L	0.01	SW846-8270 M
Anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Benz(a)anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(a)pyrene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(b)fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(ghi)perylene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(k)fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroethoxy)methane	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroethyl) ether	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroisopropyl) ether	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-ethylhexyl)phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Carbazole	U	0.01	mg/L	0.01	SW846-8270 M
Chrysene	U	0.01	mg/L	0.01	SW846-8270 M
Dibenz(a,h)anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Dibenzofuran	U	0.01	mg/L	0.01	SW846-8270 M
Diethyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Dimethyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Di-n-butyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Di-n-octylphthalate	U	0.01	mg/L	0.01	SW846-8270 M
Fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Fluorene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorobenzene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorobutadiene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorocyclopentadiene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachloroethane	U	0.01	mg/L	0.01	SW846-8270 M
Indeno(1,2,3-cd)pyrene	U	0.01	mg/L	0.01	SW846-8270 M
Isophorone	U	0.01	mg/L	0.01	SW846-8270 M
Naphthalene	U	0.01	mg/L	0.01	SW846-8270 M
Nitrobenzene	U	0.01	mg/L	0.01	SW846-8270 M
N-Nitroso-di-n-propylamine	U	0.01	mg/L	0.01	SW846-8270 M
N-Nitrosodiphenylamine	U	0.01	mg/L	0.01	SW846-8270 M
Pentachlorophenol	U	0.01	mg/L	0.01	SW846-8270 M
Phenanthrene	U	0.01	mg/L	0.01	SW846-8270 M
Phenol	U	0.01	mg/L	0.01	SW846-8270 M
Pyrene	U	0.01	mg/L	0.01	SW846-8270 M
<b>VOA</b>					
1,1-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
cis-1,2-Dichloroethene	J	0.0008	mg/L	0.001	SW846-8021 M
trans-1,2-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
Trichloroethene		0.1	mg/L	0.001	SW846-8021 M
Vinyl chloride	U	0.001	mg/L	0.001	SW846-8021 M
<b>WETCHEM</b>					
Cyanide	U	0.02	mg/L	0.02	SW846-9014

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**006-024**

**ERI99-W3-6**

**WAG 3 - SWMU 6**

**006024WA095-45**

Collected: 9/21/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium		0.092	mg/L		0.05	SW846-6010A
Beryllium	BU	0.005	mg/L		0.005	SW846-6010A
Cadmium	U	0.01	mg/L		0.01	SW846-6010A
Calcium	N	17.8	mg/L		0.5	SW846-6010A
Chromium	U	0.05	mg/L		0.05	SW846-6010A
Cobalt	U	0.01	mg/L		0.01	SW846-6010A
Iron	U	0.2	mg/L		0.2	SW846-6010A
Magnesium		7.94	mg/L		0.05	SW846-6010A
Manganese	N	0.956	mg/L		0.05	SW846-6010A
Potassium	U	2	mg/L		2	SW846-6010A
Sodium		13.3	mg/L		2	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A



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006-024

ERI99-W3-6

WAG 3 - SWMU 6

006024WA100

Collected: 9/22/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	*N	4.72	mg/L		0.2	SW846-6010A
Barium		0.079	mg/L		0.05	SW846-6010A
Beryllium	BU	0.005	mg/L		0.005	SW846-6010A
Cadmium	BU	0.01	mg/L		0.01	SW846-6010A
Calcium		18	mg/L		0.5	SW846-6010A
Chromium	U	0.05	mg/L		0.05	SW846-6010A
Cobalt	BU	0.01	mg/L		0.01	SW846-6010A
Copper	BU	0.05	mg/L		0.05	SW846-6010A
Iron	*N	52.4	mg/L		0.2	SW846-6010A
Magnesium		7.93	mg/L		0.05	SW846-6010A
Manganese		0.433	mg/L		0.05	SW846-6010A
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Potassium		2.58	mg/L		2	SW846-6010A
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Silver	BU	0.05	mg/L		0.05	SW846-6010A
Sodium		13.7	mg/L		2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Vanadium	BU	0.1	mg/L		0.1	SW846-6010A
Zinc	BU	0.2	mg/L		0.2	SW846-6010A
<b>PCCB</b>						
PCB-1221	U	0.1	mg/L		0.1	SW846-8082 M
PCB-1232	U	0.1	mg/L		0.1	SW846-8082 M
<b>RADS</b>						
Alpha activity		70.52	pCi/L	7.62	4.3	EPA-900.0
Alpha activity		2.4	pCi/L	1.4	2.1	SW846-9310
Beta activity		35	pCi/L	2.7	2.5	SW846-9310
Beta activity	X	200.69	pCi/L	10.24	6.57	EPA-900.0
Technetium-99		50	pCi/L	10	14	DNT
Technetium-99		38.1	pCi/L	12.4	16.6	RL-7100
<b>SVOA</b>						
1,2,4-Trichlorobenzene	U	0.005	mg/L		0.005	SW846-8270
1,2,4-Trichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8270
1,2-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,3-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8270
1,3-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8270
1,4-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
2,4,5-Trichlorophenol	U	0.005	mg/L		0.005	SW846-8270
2,4,5-Trichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4,6-Trichlorophenol	U	0.005	mg/L		0.005	SW846-8270
2,4,6-Trichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dichlorophenol	U	0.005	mg/L		0.005	SW846-8270
2,4-Dichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dimethylphenol	U	0.005	mg/L		0.005	SW846-8270
2,4-Dimethylphenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dinitrophenol	U	0.005	mg/L		0.005	SW846-8270
2,4-Dinitrotoluene	U	0.005	mg/L		0.005	SW846-8270

## 006-024

## ERI99-W3-6

## WAG 3 - SWMU 6

2,4-Dinitrotoluene	U	0.01	mg/L	0.01	SW846-8270 M
2,6-Dinitrotoluene	U	0.005	mg/L	0.005	SW846-8270
2,6-Dinitrotoluene	U	0.01	mg/L	0.01	SW846-8270 M
2-Chloronaphthalene	U	0.005	mg/L	0.005	SW846-8270
2-Chloronaphthalene	U	0.01	mg/L	0.01	SW846-8270 M
2-Chlorophenol	U	0.005	mg/L	0.005	SW846-8270
2-Chlorophenol	U	0.01	mg/L	0.01	SW846-8270 M
2-Methyl-4,6-dinitrophenol	U	0.005	mg/L	0.005	SW846-8270
2-Methyl-4,6-dinitrophenol	U	0.01	mg/L	0.01	SW846-8270 M
2-Methylnaphthalene	U	0.005	mg/L	0.005	SW846-8270
2-Methylnaphthalene	U	0.01	mg/L	0.01	SW846-8270 M
2-Methylphenol	U	0.005	mg/L	0.005	SW846-8270
2-Methylphenol	U	0.01	mg/L	0.01	SW846-8270 M
2-Nitrobenzenamine	U	0.005	mg/L	0.005	SW846-8270
2-Nitrobenzenamine	U	0.01	mg/L	0.01	SW846-8270 M
2-Nitrophenol	U	0.005	mg/L	0.005	SW846-8270
2-Nitrophenol	U	0.01	mg/L	0.01	SW846-8270 M
3,3'-Dichlorobenzidine	U	0.005	mg/L	0.005	SW846-8270
3,3'-Dichlorobenzidine	U	0.01	mg/L	0.01	SW846-8270 M
3-Nitrobenzenamine	U	0.005	mg/L	0.005	SW846-8270
3-Nitrobenzenamine	U	0.01	mg/L	0.01	SW846-8270 M
4-Bromophenyl phenyl ether	U	0.005	mg/L	0.005	SW846-8270
4-Bromophenyl phenyl ether	U	0.01	mg/L	0.01	SW846-8270 M
4-Chloro-3-methylphenol	U	0.005	mg/L	0.005	SW846-8270
4-Chloro-3-methylphenol	U	0.01	mg/L	0.01	SW846-8270 M
4-Chlorobenzenamine	U	0.005	mg/L	0.005	SW846-8270
4-Chlorobenzenamine	U	0.01	mg/L	0.01	SW846-8270 M
4-Chlorophenyl phenyl ether	U	0.005	mg/L	0.005	SW846-8270
4-Chlorophenyl phenyl ether	U	0.01	mg/L	0.01	SW846-8270 M
4-Methylphenol	U	0.005	mg/L	0.005	SW846-8270
4-Methylphenol	U	0.01	mg/L	0.01	SW846-8270 M
4-Nitrobenzenamine	U	0.005	mg/L	0.005	SW846-8270
4-Nitrobenzenamine	U	0.01	mg/L	0.01	SW846-8270 M
4-Nitrophenol	U	0.005	mg/L	0.005	SW846-8270
4-Nitrophenol	U	0.01	mg/L	0.01	SW846-8270 M
Acenaphthene	U	0.005	mg/L	0.005	SW846-8270
Acenaphthene	U	0.01	mg/L	0.01	SW846-8270 M
Acenaphthylene	U	0.005	mg/L	0.005	SW846-8270
Acenaphthylene	U	0.01	mg/L	0.01	SW846-8270 M
Anthracene	U	0.005	mg/L	0.005	SW846-8270
Anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Benz(a)anthracene	U	0.005	mg/L	0.005	SW846-8270
Benz(a)anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(a)pyrene	U	0.005	mg/L	0.005	SW846-8270
Benzo(a)pyrene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(b)fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(ghi)perylene	U	0.005	mg/L	0.005	SW846-8270
Benzo(ghi)perylene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(k)fluoranthene	U	0.005	mg/L	0.005	SW846-8270
Benzo(k)fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroethoxy)methane	U	0.005	mg/L	0.005	SW846-8270
Bis(2-chloroethoxy)methane	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroethyl) ether	U	0.005	mg/L	0.005	SW846-8270
Bis(2-chloroethyl) ether	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroisopropyl) ether	U	0.005	mg/L	0.005	SW846-8270

## 006-024

## ERI99-W3-6

## WAG 3 - SWMU 6

Bis(2-chloroisopropyl) ether	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-ethylhexyl)phthalate	U	0.005	mg/L	0.005	SW846-8270
Bis(2-ethylhexyl)phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Butyl benzyl phthalate	U	0.005	mg/L	0.005	SW846-8270
Carbazole	U	0.005	mg/L	0.005	SW846-8270
Carbazole	U	0.01	mg/L	0.01	SW846-8270 M
Chrysene	U	0.005	mg/L	0.005	SW846-8270
Chrysene	U	0.01	mg/L	0.01	SW846-8270 M
Dibenz(a,h)anthracene	U	0.005	mg/L	0.005	SW846-8270
Dibenz(a,h)anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Dibenzofuran	U	0.005	mg/L	0.005	SW846-8270
Dibenzofuran	U	0.01	mg/L	0.01	SW846-8270 M
Diethyl phthalate	U	0.005	mg/L	0.005	SW846-8270
Diethyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Dimethyl phthalate	U	0.005	mg/L	0.005	SW846-8270
Dimethyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Di-n-butyl phthalate	U	0.005	mg/L	0.005	SW846-8270
Di-n-butyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Di-n-octylphthalate	U	0.005	mg/L	0.005	SW846-8270
Di-n-octylphthalate	U	0.01	mg/L	0.01	SW846-8270 M
Fluoranthene	U	0.005	mg/L	0.005	SW846-8270
Fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Fluorene	U	0.005	mg/L	0.005	SW846-8270
Fluorene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorobenzene	U	0.005	mg/L	0.005	SW846-8270
Hexachlorobenzene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorobutadiene	U	0.005	mg/L	0.005	SW846-8270
Hexachlorobutadiene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorocyclopentadiene	U	0.005	mg/L	0.005	SW846-8270
Hexachlorocyclopentadiene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachloroethane	U	0.005	mg/L	0.005	SW846-8270
Hexachloroethane	U	0.01	mg/L	0.01	SW846-8270 M
Indeno(1,2,3-cd)pyrene	U	0.005	mg/L	0.005	SW846-8270
Indeno(1,2,3-cd)pyrene	U	0.01	mg/L	0.01	SW846-8270 M
Isophorone	U	0.005	mg/L	0.005	SW846-8270
Isophorone	U	0.01	mg/L	0.01	SW846-8270 M
Naphthalene	U	0.005	mg/L	0.005	SW846-8270
Naphthalene	U	0.01	mg/L	0.01	SW846-8270 M
Nitrobenzene	U	0.005	mg/L	0.005	SW846-8270
Nitrobenzene	U	0.01	mg/L	0.01	SW846-8270 M
N-Nitroso-di-n-propylamine	U	0.005	mg/L	0.005	SW846-8270
N-Nitroso-di-n-propylamine	U	0.01	mg/L	0.01	SW846-8270 M
N-Nitrosodiphenylamine	U	0.005	mg/L	0.005	SW846-8270
N-Nitrosodiphenylamine	U	0.01	mg/L	0.01	SW846-8270 M
Pentachlorophenol	U	0.005	mg/L	0.005	SW846-8270
Pentachlorophenol	U	0.01	mg/L	0.01	SW846-8270 M
Phenanthrene	U	0.005	mg/L	0.005	SW846-8270
Phenanthrene	U	0.01	mg/L	0.01	SW846-8270 M
Phenol	U	0.005	mg/L	0.005	SW846-8270
Phenol	U	0.01	mg/L	0.01	SW846-8270 M
Pyrene	U	0.005	mg/L	0.005	SW846-8270
Pyrene	U	0.01	mg/L	0.01	SW846-8270 M
Pyridine	U	0.005	mg/L	0.005	SW846-8270
<b>VOA</b>					
1,1-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M

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ERI99-W3-6

WAG 3 - SWMU 6

cis-1,2-Dichloroethene		0.002	mg/L	0.001	SW846-8021 M
trans-1,2-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
Trichloroethene		0.27	mg/L	0.001	SW846-8021 M
Vinyl chloride	U	0.001	mg/L	0.001	SW846-8021 M
<b>WETCHEM</b>					
Cyanide	U	0.02	mg/L	0.02	SW846-9014

006024WA100-45

Collected: 9/22/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium		0.061	mg/L		0.05	SW846-6010A
Calcium	N	19.9	mg/L		0.5	SW846-6010A
Iron		0.286	mg/L		0.2	SW846-6010A
Magnesium		9.11	mg/L		0.05	SW846-6010A
Manganese	N	0.273	mg/L		0.05	SW846-6010A
Potassium		2.1	mg/L		2	SW846-6010A
Sodium		14.8	mg/L		2	SW846-6010A

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**ERI99-W3-6**

**WAG 3 - SWMU 6**

**006024WA110**

Collected: 9/22/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	*N	5.29	mg/L		0.2	SW846-6010A
Barium		0.117	mg/L		0.05	SW846-6010A
Beryllium	BU	0.005	mg/L		0.005	SW846-6010A
Cadmium	BU	0.01	mg/L		0.01	SW846-6010A
Calcium		10.9	mg/L		0.5	SW846-6010A
Chromium	U	0.05	mg/L		0.05	SW846-6010A
Cobalt	B	0.01	mg/L		0.01	SW846-6010A
Copper	BU	0.05	mg/L		0.05	SW846-6010A
Iron	*N	21	mg/L		0.2	SW846-6010A
Magnesium		5.21	mg/L		0.05	SW846-6010A
Manganese		0.367	mg/L		0.05	SW846-6010A
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Potassium		3.18	mg/L		2	SW846-6010A
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Silver	BU	0.05	mg/L		0.05	SW846-6010A
Sodium		11.3	mg/L		2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Vanadium	BU	0.1	mg/L		0.1	SW846-6010A
Zinc	BU	0.2	mg/L		0.2	SW846-6010A
<b>PCCB</b>						
PCB-1221	U	0.1	mg/L		0.1	SW846-8082 M
PCB-1232	U	0.1	mg/L		0.1	SW846-8082 M
<b>RADS</b>						
Alpha activity		2.4	pCi/L	1.3	1.8	SW846-9310
Beta activity	A	1.4	pCi/L	1.5	2.5	SW846-9310
Technetium-99	A	3.4	pCi/L	7.8	13	DNT
<b>SVOA</b>						
1,2,4-Trichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,2-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,3-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,4-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
2,4,5-Trichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4,6-Trichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dimethylphenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dinitrotoluene	U	0.01	mg/L		0.01	SW846-8270 M
2,6-Dinitrotoluene	U	0.01	mg/L		0.01	SW846-8270 M
2-Chloronaphthalene	U	0.01	mg/L		0.01	SW846-8270 M
2-Chlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Methyl-4,6-dinitrophenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Methylnaphthalene	U	0.01	mg/L		0.01	SW846-8270 M
2-Methylphenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Nitrobenzenamine	U	0.01	mg/L		0.01	SW846-8270 M
2-Nitrophenol	U	0.01	mg/L		0.01	SW846-8270 M
3,3'-Dichlorobenzidine	U	0.01	mg/L		0.01	SW846-8270 M
3-Nitrobenzenamine	U	0.01	mg/L		0.01	SW846-8270 M
4-Bromophenyl phenyl ether	U	0.01	mg/L		0.01	SW846-8270 M
4-Chloro-3-methylphenol	U	0.01	mg/L		0.01	SW846-8270 M

## 006-024

## ERI99-W3-6

## WAG 3 - SWMU 6

4-Chlorobenzamine	U	0.01	mg/L	0.01	SW846-8270 M
4-Chlorophenyl phenyl ether	U	0.01	mg/L	0.01	SW846-8270 M
4-Methylphenol	U	0.01	mg/L	0.01	SW846-8270 M
4-Nitrobenzamine	U	0.01	mg/L	0.01	SW846-8270 M
4-Nitrophenol	U	0.01	mg/L	0.01	SW846-8270 M
Acenaphthene	U	0.01	mg/L	0.01	SW846-8270 M
Acenaphthylene	U	0.01	mg/L	0.01	SW846-8270 M
Anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Benz(a)anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(a)pyrene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(b)fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(ghi)perylene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(k)fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroethoxy)methane	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroethyl) ether	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroisopropyl) ether	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-ethylhexyl)phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Carbazole	U	0.01	mg/L	0.01	SW846-8270 M
Chrysene	U	0.01	mg/L	0.01	SW846-8270 M
Dibenz(a,h)anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Dibenzofuran	U	0.01	mg/L	0.01	SW846-8270 M
Diethyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Dimethyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Di-n-butyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Di-n-octylphthalate	U	0.01	mg/L	0.01	SW846-8270 M
Fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Fluorene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorobenzene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorobutadiene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorocyclopentadiene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachloroethane	U	0.01	mg/L	0.01	SW846-8270 M
Indeno(1,2,3-cd)pyrene	U	0.01	mg/L	0.01	SW846-8270 M
Isophorone	U	0.01	mg/L	0.01	SW846-8270 M
Naphthalene	U	0.01	mg/L	0.01	SW846-8270 M
Nitrobenzene	U	0.01	mg/L	0.01	SW846-8270 M
N-Nitroso-di-n-propylamine	U	0.01	mg/L	0.01	SW846-8270 M
N-Nitrosodiphenylamine	U	0.01	mg/L	0.01	SW846-8270 M
Pentachlorophenol	U	0.01	mg/L	0.01	SW846-8270 M
Phenanthrene	U	0.01	mg/L	0.01	SW846-8270 M
Phenol	U	0.01	mg/L	0.01	SW846-8270 M
Pyrene	U	0.01	mg/L	0.01	SW846-8270 M
<b>VOA</b>					
1,1-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
cis-1,2-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
trans-1,2-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
Trichloroethene	J	0.0001	mg/L	0.001	SW846-8021 M
Vinyl chloride	U	0.001	mg/L	0.001	SW846-8021 M
<b>WETCHEM</b>					
Cyanide	U	0.02	mg/L	0.02	SW846-9014

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**006-024**

**ERI99-W3-6**

**WAG 3 - SWMU 6**

**006024WA110-45**

Collected: 9/22/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium		0.076	mg/L		0.05	SW846-6010A
Calcium	N	9.09	mg/L		0.5	SW846-6010A
Cobalt	U	0.01	mg/L		0.01	SW846-6010A
Iron		1.53	mg/L		0.2	SW846-6010A
Magnesium		4.35	mg/L		0.05	SW846-6010A
Manganese	N	0.305	mg/L		0.05	SW846-6010A
Potassium		2.12	mg/L		2	SW846-6010A
Sodium		9.76	mg/L		2	SW846-6010A

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**006-024**

**ERI99-W3-6**

**WAG 3 - SWMU 6**

**006024WD110**

Collected: 9/22/1999

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	*N	10.7	mg/L		0.2	SW846-6010A
Barium		0.144	mg/L		0.05	SW846-6010A
Beryllium	BU	0.005	mg/L		0.005	SW846-6010A
Cadmium	BU	0.01	mg/L		0.01	SW846-6010A
Calcium		12.2	mg/L		0.5	SW846-6010A
Chromium	U	0.05	mg/L		0.05	SW846-6010A
Cobalt	B	0.016	mg/L		0.01	SW846-6010A
Copper	BU	0.05	mg/L		0.05	SW846-6010A
Iron	*N	33.6	mg/L		0.2	SW846-6010A
Magnesium		6.17	mg/L		0.05	SW846-6010A
Manganese		0.422	mg/L		0.05	SW846-6010A
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Potassium		4	mg/L		2	SW846-6010A
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Silver	BU	0.05	mg/L		0.05	SW846-6010A
Sodium		12.3	mg/L		2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Vanadium	U	0.1	mg/L		0.1	SW846-6010A
Zinc	BU	0.2	mg/L		0.2	SW846-6010A
<b>PCCB</b>						
PCB-1221	U	0.1	mg/L		0.1	SW846-8082 M
PCB-1232	U	0.1	mg/L		0.1	SW846-8082 M
<b>RADS</b>						
Alpha activity		3.2	pCi/L	1.4	1.9	SW846-9310
Beta activity		2.5	pCi/L	1.5	2.3	SW846-9310
Technetium-99	A	3.5	pCi/L	8.2	14	DNT
<b>SVOA</b>						
1,2,4-Trichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,2-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,3-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,4-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
2,4,5-Trichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4,6-Trichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dimethylphenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dinitrotoluene	U	0.01	mg/L		0.01	SW846-8270 M
2,6-Dinitrotoluene	U	0.01	mg/L		0.01	SW846-8270 M
2-Chloronaphthalene	U	0.01	mg/L		0.01	SW846-8270 M
2-Chlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Methyl-4,6-dinitrophenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Methylnaphthalene	U	0.01	mg/L		0.01	SW846-8270 M
2-Methylphenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Nitrobenzenamine	U	0.01	mg/L		0.01	SW846-8270 M
2-Nitrophenol	U	0.01	mg/L		0.01	SW846-8270 M
3,3'-Dichlorobenzidine	U	0.01	mg/L		0.01	SW846-8270 M
3-Nitrobenzenamine	U	0.01	mg/L		0.01	SW846-8270 M
4-Bromophenyl phenyl ether	U	0.01	mg/L		0.01	SW846-8270 M
4-Chloro-3-methylphenol	U	0.01	mg/L		0.01	SW846-8270 M



## 006-024

## ERI99-W3-6

## WAG 3 - SWMU 6

4-Chlorobenzeneamine	U	0.01	mg/L	0.01	SW846-8270 M
4-Chlorophenyl phenyl ether	U	0.01	mg/L	0.01	SW846-8270 M
4-Methylphenol	U	0.01	mg/L	0.01	SW846-8270 M
4-Nitrobenzeneamine	U	0.01	mg/L	0.01	SW846-8270 M
4-Nitrophenol	U	0.01	mg/L	0.01	SW846-8270 M
Acenaphthene	U	0.01	mg/L	0.01	SW846-8270 M
Acenaphthylene	U	0.01	mg/L	0.01	SW846-8270 M
Anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Benz(a)anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(a)pyrene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(b)fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(ghi)perylene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(k)fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroethoxy)methane	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroethyl) ether	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroisopropyl) ether	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-ethylhexyl)phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Carbazole	U	0.01	mg/L	0.01	SW846-8270 M
Chrysene	U	0.01	mg/L	0.01	SW846-8270 M
Dibenz(a,h)anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Dibenzofuran	U	0.01	mg/L	0.01	SW846-8270 M
Diethyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Dimethyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Di-n-butyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Di-n-octylphthalate	U	0.01	mg/L	0.01	SW846-8270 M
Fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Fluorene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorobenzene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorobutadiene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorocyclopentadiene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachloroethane	U	0.01	mg/L	0.01	SW846-8270 M
Indeno(1,2,3-cd)pyrene	U	0.01	mg/L	0.01	SW846-8270 M
Isophorone	U	0.01	mg/L	0.01	SW846-8270 M
Naphthalene	U	0.01	mg/L	0.01	SW846-8270 M
Nitrobenzene	U	0.01	mg/L	0.01	SW846-8270 M
N-Nitroso-di-n-propylamine	U	0.01	mg/L	0.01	SW846-8270 M
N-Nitrosodiphenylamine	U	0.01	mg/L	0.01	SW846-8270 M
Pentachlorophenol	U	0.01	mg/L	0.01	SW846-8270 M
Phenanthrene	U	0.01	mg/L	0.01	SW846-8270 M
Phenol	U	0.01	mg/L	0.01	SW846-8270 M
Pyrene	U	0.01	mg/L	0.01	SW846-8270 M
<b>VOA</b>					
1,1-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
cis-1,2-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
trans-1,2-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
Trichloroethene	J	0.0003	mg/L	0.001	SW846-8021 M
Vinyl chloride	U	0.001	mg/L	0.001	SW846-8021 M
<b>WETCHEM</b>					
Cyanide	U	0.02	mg/L	0.02	SW846-9014

# Paducah-OREIS Data Report

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**006-024**

**ERI99-W3-6**

**WAG 3 - SWMU 6**

**006024WD110-45**

Collected: 9/22/1999

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium		0.087	mg/L		0.05	SW846-6010A
Calcium	N	9.16	mg/L		0.5	SW846-6010A
Cobalt	U	0.01	mg/L		0.01	SW846-6010A
Iron		0.955	mg/L		0.2	SW846-6010A
Magnesium		4.37	mg/L		0.05	SW846-6010A
Manganese	N	0.297	mg/L		0.05	SW846-6010A
Potassium		2.13	mg/L		2	SW846-6010A
Sodium		9.86	mg/L		2	SW846-6010A

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# Paducah-OREIS Data Report

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**006-025**

**ERI99-W3-6**

**WAG 3 - SWMU 6**

**006025WA030**

Collected: 9/15/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum		332	mg/L		0.2	SW846-6010A
Arsenic		0.006	mg/L		0.005	SW846-7060
Barium		1.53	mg/L		0.05	SW846-6010A
Beryllium	B	0.013	mg/L		0.005	SW846-6010A
Cadmium	U	0.01	mg/L		0.01	SW846-6010A
Calcium		50.2	mg/L		0.5	SW846-6010A
Chromium		0.277	mg/L		0.05	SW846-6010A
Cobalt		0.24	mg/L		0.01	SW846-6010A
Copper		0.104	mg/L		0.05	SW846-6010A
Iron	*N	300	mg/L		2	SW846-6010A
Lead		0.204	mg/L		0.2	SW846-6010A
Magnesium		32.4	mg/L		0.05	SW846-6010A
Manganese		8.68	mg/L		0.05	SW846-6010A
Mercury		0.0004	mg/L		0.0002	SW846-7470
Nickel	NU	0.5	mg/L		0.5	SW846-6010A
Potassium		12.9	mg/L		2	SW846-6010A
Selenium	U	0.005	mg/L		0.005	SW846-7740
Silver	BU	0.05	mg/L		0.05	SW846-6010A
Sodium		43.4	mg/L		2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Vanadium		0.563	mg/L		0.1	SW846-6010A
Zinc		0.536	mg/L		0.2	SW846-6010A
<b>PCCB</b>						
PCB-1221	U	0.118	mg/L		0.118	SW846-8082 M
PCB-1232	U	0.118	mg/L		0.118	SW846-8082 M
<b>RADS</b>						
Alpha activity	A	2.1	pCi/L	1.5	2.2	SW846-9310
Beta activity		3.8	pCi/L	1.6	2.5	SW846-9310
Technetium-99	A	11	pCi/L	8.5	14	DNT
<b>SVOA</b>						
1,2,4-Trichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,2-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,3-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,4-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
2,4,5-Trichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4,6-Trichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dimethylphenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dinitrophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dinitrotoluene	U	0.01	mg/L		0.01	SW846-8270 M
2,6-Dinitrotoluene	U	0.01	mg/L		0.01	SW846-8270 M
2-Chloronaphthalene	U	0.01	mg/L		0.01	SW846-8270 M
2-Chlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Methyl-4,6-dinitrophenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Methylnaphthalene	U	0.01	mg/L		0.01	SW846-8270 M
2-Methylphenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Nitrobenzenamine	U	0.01	mg/L		0.01	SW846-8270 M
2-Nitrophenol	U	0.01	mg/L		0.01	SW846-8270 M
3,3'-Dichlorobenzidine	U	0.01	mg/L		0.01	SW846-8270 M

## 006-025

## ERI99-W3-6

## WAG 3 - SWMU 6

3-Nitrobenzenamine	U	0.01	mg/L	0.01	SW846-8270 M
4-Bromophenyl phenyl ether	U	0.01	mg/L	0.01	SW846-8270 M
4-Chloro-3-methylphenol	U	0.01	mg/L	0.01	SW846-8270 M
4-Chlorobenzenamine	U	0.01	mg/L	0.01	SW846-8270 M
4-Chlorophenyl phenyl ether	U	0.01	mg/L	0.01	SW846-8270 M
4-Methylphenol	U	0.01	mg/L	0.01	SW846-8270 M
4-Nitrobenzenamine	U	0.01	mg/L	0.01	SW846-8270 M
4-Nitrophenol	U	0.01	mg/L	0.01	SW846-8270 M
Acenaphthene	U	0.01	mg/L	0.01	SW846-8270 M
Acenaphthylene	U	0.01	mg/L	0.01	SW846-8270 M
Anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Benz(a)anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(a)pyrene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(b)fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(ghi)perylene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(k)fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroethoxy)methane	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroethyl) ether	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroisopropyl) ether	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-ethylhexyl)phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Butyl benzyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Carbazole	U	0.01	mg/L	0.01	SW846-8270 M
Chrysene	U	0.01	mg/L	0.01	SW846-8270 M
Dibenz(a,h)anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Dibenzofuran	U	0.01	mg/L	0.01	SW846-8270 M
Diethyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Dimethyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Di-n-butyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Di-n-octylphthalate	U	0.01	mg/L	0.01	SW846-8270 M
Fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Fluorene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorobenzene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorobutadiene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorocyclopentadiene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachloroethane	U	0.01	mg/L	0.01	SW846-8270 M
Indeno(1,2,3-cd)pyrene	U	0.01	mg/L	0.01	SW846-8270 M
Isophorone	U	0.01	mg/L	0.01	SW846-8270 M
Naphthalene	U	0.01	mg/L	0.01	SW846-8270 M
Nitrobenzene	U	0.01	mg/L	0.01	SW846-8270 M
N-Nitroso-di-n-propylamine	U	0.01	mg/L	0.01	SW846-8270 M
N-Nitrosodiphenylamine	U	0.01	mg/L	0.01	SW846-8270 M
Pentachlorophenol	U	0.01	mg/L	0.01	SW846-8270 M
Phenanthrene	U	0.01	mg/L	0.01	SW846-8270 M
Phenol	U	0.01	mg/L	0.01	SW846-8270 M
Pyrene	U	0.01	mg/L	0.01	SW846-8270 M
<b>VOA</b>					
1,1-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
cis-1,2-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
trans-1,2-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
Trichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
Vinyl chloride	U	0.001	mg/L	0.001	SW846-8021 M
<b>WETCHEM</b>					
Cyanide	U	0.02	mg/L	0.02	SW846-9014

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006-025

ERI99-W3-6

WAG 3 - SWMU 6

006025WA030-45

Collected: 9/15/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum		0.21	mg/L		0.2	SW846-6010A
Barium	U	0.05	mg/L		0.05	SW846-6010A
Beryllium	BU	0.005	mg/L		0.005	SW846-6010A
Calcium		12.8	mg/L		0.5	SW846-6010A
Chromium	U	0.05	mg/L		0.05	SW846-6010A
Cobalt	U	0.01	mg/L		0.01	SW846-6010A
Copper	U	0.05	mg/L		0.05	SW846-6010A
Iron	U	0.2	mg/L		0.2	SW846-6010A
Magnesium		5.46	mg/L		0.05	SW846-6010A
Manganese		0.413	mg/L		0.05	SW846-6010A
Mercury	BNU	0.0002	mg/L		0.0002	SW846-7470
Potassium	U	2	mg/L		2	SW846-6010A
Sodium		45.4	mg/L		2	SW846-6010A
Vanadium	BU	0.1	mg/L		0.1	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A

006025WA030-5

Collected: 9/15/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum		1.05	mg/L		0.2	SW846-6010A
Barium		0.051	mg/L		0.05	SW846-6010A
Beryllium	BU	0.005	mg/L		0.005	SW846-6010A
Calcium		13.1	mg/L		0.5	SW846-6010A
Chromium	BU	0.05	mg/L		0.05	SW846-6010A
Cobalt	BU	0.01	mg/L		0.01	SW846-6010A
Copper	BU	0.05	mg/L		0.05	SW846-6010A
Iron		0.41	mg/L		0.2	SW846-6010A
Magnesium		5.58	mg/L		0.05	SW846-6010A
Manganese		0.578	mg/L		0.05	SW846-6010A
Mercury	BNU	0.0002	mg/L		0.0002	SW846-7470
Potassium	U	2	mg/L		2	SW846-6010A
Sodium		47.1	mg/L		2	SW846-6010A
Vanadium	U	0.1	mg/L		0.1	SW846-6010A
Zinc	BU	0.2	mg/L		0.2	SW846-6010A

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006-025

ERI99-W3-6

WAG 3 - SWMU 6

006025WA070

Collected: 9/15/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum		56.3	mg/L		0.2	SW846-6010A
Barium		0.632	mg/L		0.05	SW846-6010A
Beryllium	B	0.006	mg/L		0.005	SW846-6010A
Cadmium	U	0.01	mg/L		0.01	SW846-6010A
Calcium		13.7	mg/L		0.5	SW846-6010A
Chromium	B	0.053	mg/L		0.05	SW846-6010A
Cobalt		0.07	mg/L		0.01	SW846-6010A
Copper	BU	0.05	mg/L		0.05	SW846-6010A
Iron		88.8	mg/L		0.2	SW846-6010A
Magnesium		8.54	mg/L		0.05	SW846-6010A
Manganese		4.25	mg/L		0.05	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Potassium		5.63	mg/L		2	SW846-6010A
Selenium	U	0.005	mg/L		0.005	SW846-7740
Silver	BU	0.05	mg/L		0.05	SW846-6010A
Sodium		16	mg/L		2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Vanadium	U	0.1	mg/L		0.1	SW846-6010A
Zinc	B	0.26	mg/L		0.2	SW846-6010A
<b>PCCB</b>						
PCB-1221	U	0.105	mg/L		0.105	SW846-8082 M
PCB-1232	U	0.105	mg/L		0.105	SW846-8082 M
<b>RADS</b>						
Alpha activity		3	pCi/L	1.3	1.6	SW846-9310
Beta activity		4.3	pCi/L	1.6	2.4	SW846-9310
Technetium-99	A	0.9	pCi/L	8.1	14	DNT
<b>SVOA</b>						
1,2,4-Trichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,2-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,3-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,4-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
2,4,5-Trichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4,6-Trichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dimethylphenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dinitrotoluene	U	0.01	mg/L		0.01	SW846-8270 M
2,6-Dinitrotoluene	U	0.01	mg/L		0.01	SW846-8270 M
2-Chloronaphthalene	U	0.01	mg/L		0.01	SW846-8270 M
2-Chlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Methyl-4,6-dinitrophenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Methylnaphthalene	U	0.01	mg/L		0.01	SW846-8270 M
2-Methylphenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Nitrobenzenamine	U	0.01	mg/L		0.01	SW846-8270 M
2-Nitrophenol	U	0.01	mg/L		0.01	SW846-8270 M
3,3'-Dichlorobenzidine	U	0.01	mg/L		0.01	SW846-8270 M
3-Nitrobenzenamine	U	0.01	mg/L		0.01	SW846-8270 M
4-Bromophenyl phenyl ether	U	0.01	mg/L		0.01	SW846-8270 M
4-Chloro-3-methylphenol	U	0.01	mg/L		0.01	SW846-8270 M

\*QUALIFIER Codes See attached List.

## 006-025

## ERI99-W3-6

## WAG 3 - SWMU 6

4-Chlorobenzeneamine	U	0.01	mg/L	0.01	SW846-8270 M
4-Chlorophenyl phenyl ether	U	0.01	mg/L	0.01	SW846-8270 M
4-Methylphenol	U	0.01	mg/L	0.01	SW846-8270 M
4-Nitrobenzenamine	U	0.01	mg/L	0.01	SW846-8270 M
4-Nitrophenol	U	0.01	mg/L	0.01	SW846-8270 M
Acenaphthene	U	0.01	mg/L	0.01	SW846-8270 M
Acenaphthylene	U	0.01	mg/L	0.01	SW846-8270 M
Anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Benz(a)anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(a)pyrene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(b)fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(ghi)perylene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(k)fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroethoxy)methane	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroethyl) ether	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroisopropyl) ether	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-ethylhexyl)phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Carbazole	U	0.01	mg/L	0.01	SW846-8270 M
Chrysene	U	0.01	mg/L	0.01	SW846-8270 M
Dibenz(a,h)anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Dibenzofuran	U	0.01	mg/L	0.01	SW846-8270 M
Diethyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Dimethyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Di-n-butyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Di-n-octylphthalate	U	0.01	mg/L	0.01	SW846-8270 M
Fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Fluorene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorobenzene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorobutadiene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorocyclopentadiene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachloroethane	U	0.01	mg/L	0.01	SW846-8270 M
Indeno(1,2,3-cd)pyrene	U	0.01	mg/L	0.01	SW846-8270 M
Isophorone	U	0.01	mg/L	0.01	SW846-8270 M
Naphthalene	U	0.01	mg/L	0.01	SW846-8270 M
Nitrobenzene	U	0.01	mg/L	0.01	SW846-8270 M
N-Nitroso-di-n-propylamine	U	0.01	mg/L	0.01	SW846-8270 M
N-Nitrosodiphenylamine	U	0.01	mg/L	0.01	SW846-8270 M
Pentachlorophenol	U	0.01	mg/L	0.01	SW846-8270 M
Phenanthrene	U	0.01	mg/L	0.01	SW846-8270 M
Phenol	U	0.01	mg/L	0.01	SW846-8270 M
Pyrene	U	0.01	mg/L	0.01	SW846-8270 M
<b>VOA</b>					
1,1-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
cis-1,2-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
trans-1,2-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
Trichloroethene	J	0.0008	mg/L	0.001	SW846-8021 M
Vinyl chloride	U	0.001	mg/L	0.001	SW846-8021 M
<b>WETCHEM</b>					
Cyanide	U	0.02	mg/L	0.02	SW846-9014

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006-025

ERI99-W3-6

WAG 3 - SWMU 6

006025WA070-45

Collected: 9/15/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium		0.105	mg/L		0.05	SW846-6010A
Beryllium	BU	0.005	mg/L		0.005	SW846-6010A
Calcium		10.2	mg/L		0.5	SW846-6010A
Chromium	U	0.05	mg/L		0.05	SW846-6010A
Cobalt	U	0.01	mg/L		0.01	SW846-6010A
Iron		0.284	mg/L		0.2	SW846-6010A
Magnesium		4.25	mg/L		0.05	SW846-6010A
Manganese		1.06	mg/L		0.05	SW846-6010A
Potassium	U	2	mg/L		2	SW846-6010A
Sodium		16.8	mg/L		2	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A

006025WA070-5

Collected: 9/15/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum		0.272	mg/L		0.2	SW846-6010A
Barium		0.104	mg/L		0.05	SW846-6010A
Beryllium	BU	0.005	mg/L		0.005	SW846-6010A
Calcium		10.1	mg/L		0.5	SW846-6010A
Chromium	BU	0.05	mg/L		0.05	SW846-6010A
Cobalt	B	0.013	mg/L		0.01	SW846-6010A
Iron		0.462	mg/L		0.2	SW846-6010A
Magnesium		4.16	mg/L		0.05	SW846-6010A
Manganese		1.05	mg/L		0.05	SW846-6010A
Potassium	U	2	mg/L		2	SW846-6010A
Sodium		17.6	mg/L		2	SW846-6010A
Zinc	BU	0.2	mg/L		0.2	SW846-6010A



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**006-025**

**ERI99-W3-6**

**WAG 3 - SWMU 6**

**006025WA075**

Collected: 9/16/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum		3.35	mg/L		0.2	SW846-6010A
Barium		0.17	mg/L		0.05	SW846-6010A
Beryllium	BU	0.005	mg/L		0.005	SW846-6010A
Cadmium	U	0.01	mg/L		0.01	SW846-6010A
Calcium		13.3	mg/L		0.5	SW846-6010A
Chromium	BU	0.05	mg/L		0.05	SW846-6010A
Cobalt		0.013	mg/L		0.01	SW846-6010A
Copper	BU	0.05	mg/L		0.05	SW846-6010A
Iron		14.4	mg/L		0.2	SW846-6010A
Magnesium		5.89	mg/L		0.05	SW846-6010A
Manganese		1.24	mg/L		0.05	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Potassium	U	2	mg/L		2	SW846-6010A
Selenium	U	0.005	mg/L		0.005	SW846-7740
Silver	BU	0.05	mg/L		0.05	SW846-6010A
Sodium		13.4	mg/L		2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Vanadium	U	0.1	mg/L		0.1	SW846-6010A
Zinc	BU	0.2	mg/L		0.2	SW846-6010A
<b>PCCB</b>						
PCB-1221	U	0.1	mg/L		0.1	SW846-8082 M
PCB-1232	U	0.1	mg/L		0.1	SW846-8082 M
<b>RADS</b>						
Alpha activity	A	1.06	pCi/L	0.8	1.2	SW846-9310
Beta activity		2.6	pCi/L	1.4	2.3	SW846-9310
Technetium-99		25.1	pCi/L	9.1	14	DNT
<b>SVOA</b>						
1,2,4-Trichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,2-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,3-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,4-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
2,4,5-Trichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4,6-Trichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dimethylphenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dinitrotoluene	U	0.01	mg/L		0.01	SW846-8270 M
2,6-Dinitrotoluene	U	0.01	mg/L		0.01	SW846-8270 M
2-Chloronaphthalene	U	0.01	mg/L		0.01	SW846-8270 M
2-Chlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Methyl-4,6-dinitrophenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Methylnaphthalene	U	0.01	mg/L		0.01	SW846-8270 M
2-Methylphenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Nitrobenzenamine	U	0.01	mg/L		0.01	SW846-8270 M
2-Nitrophenol	U	0.01	mg/L		0.01	SW846-8270 M
3,3'-Dichlorobenzidine	U	0.01	mg/L		0.01	SW846-8270 M
3-Nitrobenzenamine	U	0.01	mg/L		0.01	SW846-8270 M
4-Bromophenyl phenyl ether	U	0.01	mg/L		0.01	SW846-8270 M
4-Chloro-3-methylphenol	U	0.01	mg/L		0.01	SW846-8270 M

## 006-025

## ERI99-W3-6

## WAG 3 - SWMU 6

4-Chlorobenzeneamine	U	0.01	mg/L	0.01	SW846-8270 M
4-Chlorophenyl phenyl ether	U	0.01	mg/L	0.01	SW846-8270 M
4-Methylphenol	U	0.01	mg/L	0.01	SW846-8270 M
4-Nitrobenzeneamine	U	0.01	mg/L	0.01	SW846-8270 M
4-Nitrophenol	U	0.01	mg/L	0.01	SW846-8270 M
Acenaphthene	U	0.01	mg/L	0.01	SW846-8270 M
Acenaphthylene	U	0.01	mg/L	0.01	SW846-8270 M
Anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Benz(a)anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(a)pyrene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(b)fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(ghi)perylene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(k)fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroethoxy)methane	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroethyl) ether	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroisopropyl) ether	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-ethylhexyl)phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Carbazole	U	0.01	mg/L	0.01	SW846-8270 M
Chrysene	U	0.01	mg/L	0.01	SW846-8270 M
Dibenz(a,h)anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Dibenzofuran	U	0.01	mg/L	0.01	SW846-8270 M
Diethyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Dimethyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Di-n-butyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Di-n-octylphthalate	U	0.01	mg/L	0.01	SW846-8270 M
Fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Fluorene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorobenzene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorobutadiene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorocyclopentadiene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachloroethane	U	0.01	mg/L	0.01	SW846-8270 M
Indeno(1,2,3-cd)pyrene	U	0.01	mg/L	0.01	SW846-8270 M
Isophorone	U	0.01	mg/L	0.01	SW846-8270 M
Naphthalene	U	0.01	mg/L	0.01	SW846-8270 M
Nitrobenzene	U	0.01	mg/L	0.01	SW846-8270 M
N-Nitroso-di-n-propylamine	U	0.01	mg/L	0.01	SW846-8270 M
N-Nitrosodiphenylamine	U	0.01	mg/L	0.01	SW846-8270 M
Pentachlorophenol	U	0.01	mg/L	0.01	SW846-8270 M
Phenanthrene	U	0.01	mg/L	0.01	SW846-8270 M
Phenol	U	0.01	mg/L	0.01	SW846-8270 M
Pyrene	U	0.01	mg/L	0.01	SW846-8270 M
<b>VOA</b>					
1,1-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
cis-1,2-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
trans-1,2-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
Trichloroethene		0.01	mg/L	0.001	SW846-8021 M
Vinyl chloride	U	0.001	mg/L	0.001	SW846-8021 M
<b>WETCHEM</b>					
Cyanide	U	0.02	mg/L	0.02	SW846-9014

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006-025

ERI99-W3-6

WAG 3 - SWMU 6

006025WA075-45

Collected: 9/16/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium		0.117	mg/L		0.05	SW846-6010A
Calcium		14.1	mg/L		0.5	SW846-6010A
Cobalt	U	0.01	mg/L		0.01	SW846-6010A
Iron		1.44	mg/L		0.2	SW846-6010A
Magnesium		6.05	mg/L		0.05	SW846-6010A
Manganese		0.638	mg/L		0.05	SW846-6010A
Sodium		14.4	mg/L		2	SW846-6010A

006025WA075-5

Collected: 9/16/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium		0.101	mg/L		0.05	SW846-6010A
Calcium		14	mg/L		0.5	SW846-6010A
Cobalt	BU	0.01	mg/L		0.01	SW846-6010A
Iron		0.352	mg/L		0.2	SW846-6010A
Magnesium		5.96	mg/L		0.05	SW846-6010A
Manganese		0.411	mg/L		0.05	SW846-6010A
Sodium		14.7	mg/L		2	SW846-6010A

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**006-025**

**ERI99-W3-6**

**WAG 3 - SWMU 6**

**006025WA080**

Collected: 9/16/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum		14	mg/L		0.2	SW846-6010A
Barium		0.983	mg/L		0.05	SW846-6010A
Beryllium	BU	0.005	mg/L		0.005	SW846-6010A
Cadmium	U	0.01	mg/L		0.01	SW846-6010A
Calcium		18.6	mg/L		0.5	SW846-6010A
Chromium	BU	0.05	mg/L		0.05	SW846-6010A
Cobalt		0.114	mg/L		0.01	SW846-6010A
Copper	BU	0.05	mg/L		0.05	SW846-6010A
Iron		144	mg/L		0.2	SW846-6010A
Magnesium		8.21	mg/L		0.05	SW846-6010A
Manganese		11.6	mg/L		0.05	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Potassium		2.54	mg/L		2	SW846-6010A
Selenium	U	0.005	mg/L		0.005	SW846-7740
Silver	BU	0.05	mg/L		0.05	SW846-6010A
Sodium		14.1	mg/L		2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Vanadium	U	0.1	mg/L		0.1	SW846-6010A
Zinc	B	0.255	mg/L		0.2	SW846-6010A
<b>PCCB</b>						
PCB-1221	U	0.1	mg/L		0.1	SW846-8082 M
PCB-1232	U	0.1	mg/L		0.1	SW846-8082 M
<b>RADS</b>						
Alpha activity	A	0.26	pCi/L	0.96	1.8	SW846-9310
Beta activity		6.5	pCi/L	1.7	2.5	SW846-9310
Technetium-99	A	13	pCi/L	8.6	14	DNT
<b>SVOA</b>						
1,2,4-Trichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,2-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,3-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,4-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
2,4,5-Trichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4,6-Trichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dimethylphenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dinitrotoluene	U	0.01	mg/L		0.01	SW846-8270 M
2,6-Dinitrotoluene	U	0.01	mg/L		0.01	SW846-8270 M
2-Chloronaphthalene	U	0.01	mg/L		0.01	SW846-8270 M
2-Chlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Methyl-4,6-dinitrophenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Methylnaphthalene	U	0.01	mg/L		0.01	SW846-8270 M
2-Methylphenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Nitrobenzenamine	U	0.01	mg/L		0.01	SW846-8270 M
2-Nitrophenol	U	0.01	mg/L		0.01	SW846-8270 M
3,3'-Dichlorobenzidine	U	0.01	mg/L		0.01	SW846-8270 M
3-Nitrobenzenamine	U	0.01	mg/L		0.01	SW846-8270 M
4-Bromophenyl phenyl ether	U	0.01	mg/L		0.01	SW846-8270 M
4-Chloro-3-methylphenol	U	0.01	mg/L		0.01	SW846-8270 M

## 006-025

## ERI99-W3-6

## WAG 3 - SWMU 6

4-Chlorobenzeneamine	U	0.01	mg/L	0.01	SW846-8270 M
4-Chlorophenyl phenyl ether	U	0.01	mg/L	0.01	SW846-8270 M
4-Methylphenol	U	0.01	mg/L	0.01	SW846-8270 M
4-Nitrobenzenamine	U	0.01	mg/L	0.01	SW846-8270 M
4-Nitrophenol	U	0.01	mg/L	0.01	SW846-8270 M
Acenaphthene	U	0.01	mg/L	0.01	SW846-8270 M
Acenaphthylene	U	0.01	mg/L	0.01	SW846-8270 M
Anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Benz(a)anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(a)pyrene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(b)fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(ghi)perylene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(k)fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroethoxy)methane	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroethyl) ether	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroisopropyl) ether	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-ethylhexyl)phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Carbazole	U	0.01	mg/L	0.01	SW846-8270 M
Chrysene	U	0.01	mg/L	0.01	SW846-8270 M
Dibenz(a,h)anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Dibenzofuran	U	0.01	mg/L	0.01	SW846-8270 M
Diethyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Dimethyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Di-n-butyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Di-n-octylphthalate	U	0.01	mg/L	0.01	SW846-8270 M
Fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Fluorene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorobenzene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorobutadiene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorocyclopentadiene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachloroethane	U	0.01	mg/L	0.01	SW846-8270 M
Indeno(1,2,3-cd)pyrene	U	0.01	mg/L	0.01	SW846-8270 M
Isophorone	U	0.01	mg/L	0.01	SW846-8270 M
Naphthalene	U	0.01	mg/L	0.01	SW846-8270 M
Nitrobenzene	U	0.01	mg/L	0.01	SW846-8270 M
N-Nitroso-di-n-propylamine	U	0.01	mg/L	0.01	SW846-8270 M
N-Nitrosodiphenylamine	U	0.01	mg/L	0.01	SW846-8270 M
Pentachlorophenol	U	0.01	mg/L	0.01	SW846-8270 M
Phenanthrene	U	0.01	mg/L	0.01	SW846-8270 M
Phenol	U	0.01	mg/L	0.01	SW846-8270 M
Pyrene	U	0.01	mg/L	0.01	SW846-8270 M
<b>VOA</b>					
1,1-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
cis-1,2-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
trans-1,2-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
Trichloroethene		0.015	mg/L	0.001	SW846-8021 M
Vinyl chloride	U	0.001	mg/L	0.001	SW846-8021 M
<b>WETCHEM</b>					
Cyanide	U	0.02	mg/L	0.02	SW846-9014

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006-025

ERI99-W3-6

WAG 3 - SWMU 6

006025WA080-45

Collected: 9/16/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium		0.168	mg/L		0.05	SW846-6010A
Calcium		17.8	mg/L		0.5	SW846-6010A
Cobalt		0.018	mg/L		0.01	SW846-6010A
Iron		0.514	mg/L		0.2	SW846-6010A
Magnesium		7.43	mg/L		0.05	SW846-6010A
Manganese		2.16	mg/L		0.05	SW846-6010A
Potassium	U	2	mg/L		2	SW846-6010A
Sodium		14.2	mg/L		2	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A

006025WA080-5

Collected: 9/16/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium		0.168	mg/L		0.05	SW846-6010A
Calcium	J	17.6	mg/L		0.5	SW846-6010A
Cobalt	B	0.019	mg/L		0.01	SW846-6010A
Iron		0.745	mg/L		0.2	SW846-6010A
Magnesium		7.23	mg/L		0.05	SW846-6010A
Manganese		2.15	mg/L		0.05	SW846-6010A
Potassium	U	2	mg/L		2	SW846-6010A
Sodium		14.6	mg/L		2	SW846-6010A
Zinc	BU	0.2	mg/L		0.2	SW846-6010A

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ERI99-W3-6

WAG 3 - SWMU 6

006025WA085

Collected: 9/16/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum		6.04	mg/L		0.2	SW846-6010A
Arsenic		0.005	mg/L		0.005	SW846-7060
Barium		0.212	mg/L		0.05	SW846-6010A
Beryllium	BU	0.005	mg/L		0.005	SW846-6010A
Cadmium	U	0.01	mg/L		0.01	SW846-6010A
Calcium		17.9	mg/L		0.5	SW846-6010A
Chromium	BU	0.05	mg/L		0.05	SW846-6010A
Cobalt		0.019	mg/L		0.01	SW846-6010A
Copper	BU	0.05	mg/L		0.05	SW846-6010A
Iron		46.6	mg/L		0.2	SW846-6010A
Magnesium		7.66	mg/L		0.05	SW846-6010A
Manganese		2.72	mg/L		0.05	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Potassium	U	2	mg/L		2	SW846-6010A
Selenium	U	0.005	mg/L		0.005	SW846-7740
Silver	BU	0.05	mg/L		0.05	SW846-6010A
Sodium		13.7	mg/L		2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Vanadium	U	0.1	mg/L		0.1	SW846-6010A
Zinc	BU	0.2	mg/L		0.2	SW846-6010A
<b>PPCB</b>						
PCB-1221	U	0.1	mg/L		0.1	SW846-8082 M
PCB-1232	U	0.1	mg/L		0.1	SW846-8082 M
<b>RADS</b>						
Alpha activity		3.5	pCi/L	1.9	2.8	SW846-9310
Alpha activity	A	2.08	pCi/L	0.89	4.35	EPA-900.0
Beta activity	AX	5.57	pCi/L	0.97	6.66	EPA-900.0
Beta activity		7.6	pCi/L	1.8	2.6	SW846-9310
Technetium-99	A	12.8	pCi/L	9	15	DNT
Technetium-99	A	12.7	pCi/L	11.2	16.3	RL-7100
<b>SVOA</b>						
1,2,4-Trichlorobenzene	JU	0.01	mg/L		0.01	SW846-8270
1,2,4-Trichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,2-Dichlorobenzene	JU	0.01	mg/L		0.01	SW846-8270
1,2-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,3-Dichlorobenzene	JU	0.01	mg/L		0.01	SW846-8270
1,3-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,4-Dichlorobenzene	JU	0.01	mg/L		0.01	SW846-8270
1,4-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
2,4,5-Trichlorophenol	JU	0.01	mg/L		0.01	SW846-8270
2,4,5-Trichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4,6-Trichlorophenol	JUY	0.01	mg/L		0.01	SW846-8270
2,4,6-Trichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dichlorophenol	JU	0.01	mg/L		0.01	SW846-8270
2,4-Dichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dimethylphenol	JU	0.01	mg/L		0.01	SW846-8270
2,4-Dimethylphenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dinitrophenol	JU	0.01	mg/L		0.01	SW846-8270

## 006-025

## ERI99-W3-6

## WAG 3 - SWMU 6

2,4-Dinitrophenol	U	0.01	mg/L	0.01	SW846-8270 M
2,4-Dinitrotoluene	JU	0.01	mg/L	0.01	SW846-8270
2,4-Dinitrotoluene	U	0.01	mg/L	0.01	SW846-8270 M
2,6-Dinitrotoluene	JU	0.01	mg/L	0.01	SW846-8270
2,6-Dinitrotoluene	U	0.01	mg/L	0.01	SW846-8270 M
2-Chloronaphthalene	JU	0.01	mg/L	0.01	SW846-8270
2-Chloronaphthalene	U	0.01	mg/L	0.01	SW846-8270 M
2-Chlorophenol	JU	0.01	mg/L	0.01	SW846-8270
2-Chlorophenol	U	0.01	mg/L	0.01	SW846-8270 M
2-Methyl-4,6-dinitrophenol	JU	0.01	mg/L	0.01	SW846-8270
2-Methyl-4,6-dinitrophenol	U	0.01	mg/L	0.01	SW846-8270 M
2-Methylnaphthalene	JU	0.01	mg/L	0.01	SW846-8270
2-Methylnaphthalene	U	0.01	mg/L	0.01	SW846-8270 M
2-Methylphenol	JU	0.01	mg/L	0.01	SW846-8270
2-Methylphenol	U	0.01	mg/L	0.01	SW846-8270 M
2-Nitrobenzenamine	JU	0.01	mg/L	0.01	SW846-8270
2-Nitrobenzenamine	U	0.01	mg/L	0.01	SW846-8270 M
2-Nitrophenol	JU	0.01	mg/L	0.01	SW846-8270
2-Nitrophenol	U	0.01	mg/L	0.01	SW846-8270 M
3,3'-Dichlorobenzidine	JU	0.01	mg/L	0.01	SW846-8270
3,3'-Dichlorobenzidine	U	0.01	mg/L	0.01	SW846-8270 M
3-Nitrobenzenamine	JU	0.01	mg/L	0.01	SW846-8270
3-Nitrobenzenamine	U	0.01	mg/L	0.01	SW846-8270 M
4-Bromophenyl phenyl ether	JU	0.01	mg/L	0.01	SW846-8270
4-Bromophenyl phenyl ether	U	0.01	mg/L	0.01	SW846-8270 M
4-Chloro-3-methylphenol	JU	0.01	mg/L	0.01	SW846-8270
4-Chloro-3-methylphenol	U	0.01	mg/L	0.01	SW846-8270 M
4-Chlorobenzenamine	JU	0.01	mg/L	0.01	SW846-8270
4-Chlorobenzenamine	U	0.01	mg/L	0.01	SW846-8270 M
4-Chlorophenyl phenyl ether	JU	0.01	mg/L	0.01	SW846-8270
4-Chlorophenyl phenyl ether	U	0.01	mg/L	0.01	SW846-8270 M
4-Methylphenol	JU	0.01	mg/L	0.01	SW846-8270
4-Methylphenol	U	0.01	mg/L	0.01	SW846-8270 M
4-Nitrobenzenamine	JU	0.01	mg/L	0.01	SW846-8270
4-Nitrobenzenamine	U	0.01	mg/L	0.01	SW846-8270 M
4-Nitrophenol	JU	0.01	mg/L	0.01	SW846-8270
4-Nitrophenol	U	0.01	mg/L	0.01	SW846-8270 M
Acenaphthene	JU	0.01	mg/L	0.01	SW846-8270
Acenaphthene	U	0.01	mg/L	0.01	SW846-8270 M
Acenaphthylene	JU	0.01	mg/L	0.01	SW846-8270
Acenaphthylene	U	0.01	mg/L	0.01	SW846-8270 M
Anthracene	JU	0.01	mg/L	0.01	SW846-8270
Anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Benz(a)anthracene	JU	0.01	mg/L	0.01	SW846-8270
Benz(a)anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(a)pyrene	JU	0.01	mg/L	0.01	SW846-8270
Benzo(a)pyrene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(b)fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(ghi)perylene	JU	0.01	mg/L	0.01	SW846-8270
Benzo(ghi)perylene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(k)fluoranthene	JU	0.01	mg/L	0.01	SW846-8270
Benzo(k)fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroethoxy)methane	JU	0.01	mg/L	0.01	SW846-8270
Bis(2-chloroethoxy)methane	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroethyl) ether	JU	0.01	mg/L	0.01	SW846-8270



## 006-025

## ERI99-W3-6

## WAG 3 - SWMU 6

Bis(2-chloroethyl) ether	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroisopropyl) ether	JU	0.01	mg/L	0.01	SW846-8270
Bis(2-chloroisopropyl) ether	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-ethylhexyl)phthalate	JU	0.01	mg/L	0.01	SW846-8270
Bis(2-ethylhexyl)phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Butyl benzyl phthalate	JU	0.01	mg/L	0.01	SW846-8270
Butyl benzyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Carbazole	JU	0.01	mg/L	0.01	SW846-8270
Carbazole	U	0.01	mg/L	0.01	SW846-8270 M
Chrysene	JU	0.01	mg/L	0.01	SW846-8270
Chrysene	U	0.01	mg/L	0.01	SW846-8270 M
Dibenz(a,h)anthracene	JU	0.01	mg/L	0.01	SW846-8270
Dibenz(a,h)anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Dibenzofuran	JU	0.01	mg/L	0.01	SW846-8270
Dibenzofuran	U	0.01	mg/L	0.01	SW846-8270 M
Diethyl phthalate	JU	0.01	mg/L	0.01	SW846-8270
Diethyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Dimethyl phthalate	JU	0.01	mg/L	0.01	SW846-8270
Dimethyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Di-n-butyl phthalate	JU	0.01	mg/L	0.01	SW846-8270
Di-n-butyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Di-n-octylphthalate	JU	0.01	mg/L	0.01	SW846-8270
Di-n-octylphthalate	U	0.01	mg/L	0.01	SW846-8270 M
Fluoranthene	JU	0.01	mg/L	0.01	SW846-8270
Fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Fluorene	JU	0.01	mg/L	0.01	SW846-8270
Fluorene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorobenzene	JU	0.01	mg/L	0.01	SW846-8270
Hexachlorobenzene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorobutadiene	JU	0.01	mg/L	0.01	SW846-8270
Hexachlorobutadiene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorocyclopentadiene	JU	0.01	mg/L	0.01	SW846-8270
Hexachlorocyclopentadiene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachloroethane	JU	0.01	mg/L	0.01	SW846-8270
Hexachloroethane	U	0.01	mg/L	0.01	SW846-8270 M
Indeno(1,2,3-cd)pyrene	JU	0.01	mg/L	0.01	SW846-8270
Indeno(1,2,3-cd)pyrene	U	0.01	mg/L	0.01	SW846-8270 M
Isophorone	JU	0.01	mg/L	0.01	SW846-8270
Isophorone	U	0.01	mg/L	0.01	SW846-8270 M
Naphthalene	JU	0.01	mg/L	0.01	SW846-8270
Naphthalene	U	0.01	mg/L	0.01	SW846-8270 M
Nitrobenzene	JU	0.01	mg/L	0.01	SW846-8270
Nitrobenzene	U	0.01	mg/L	0.01	SW846-8270 M
N-Nitroso-di-n-propylamine	JU	0.01	mg/L	0.01	SW846-8270
N-Nitroso-di-n-propylamine	U	0.01	mg/L	0.01	SW846-8270 M
N-Nitrosodiphenylamine	JU	0.01	mg/L	0.01	SW846-8270
N-Nitrosodiphenylamine	U	0.01	mg/L	0.01	SW846-8270 M
Pentachlorophenol	JUY	0.01	mg/L	0.01	SW846-8270
Pentachlorophenol	U	0.01	mg/L	0.01	SW846-8270 M
Phenanthrene	JU	0.01	mg/L	0.01	SW846-8270
Phenanthrene	U	0.01	mg/L	0.01	SW846-8270 M
Phenol	JU	0.01	mg/L	0.01	SW846-8270
Phenol	U	0.01	mg/L	0.01	SW846-8270 M
Pyrene	JU	0.01	mg/L	0.01	SW846-8270
Pyrene	U	0.01	mg/L	0.01	SW846-8270 M

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ERI99-W3-6

WAG 3 - SWMU 6

Pyridine	JUY	0.01	mg/L	0.01	SW846-8270
<b>VOA</b>					
1,1-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
cis-1,2-Dichloroethene	J	0.0003	mg/L	0.001	SW846-8021 M
trans-1,2-Dichloroethene	J	0.0002	mg/L	0.001	SW846-8021 M
Trichloroethene		0.031	mg/L	0.001	SW846-8021 M
Vinyl chloride	U	0.001	mg/L	0.001	SW846-8021 M
<b>WETCHEM</b>					
Cyanide	U	0.02	mg/L	0.02	SW846-9014

006025WA085-45

Collected: 9/16/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium		0.089	mg/L		0.05	SW846-6010A
Calcium		19	mg/L		0.5	SW846-6010A
Cobalt	U	0.01	mg/L		0.01	SW846-6010A
Iron		1.81	mg/L		0.2	SW846-6010A
Magnesium		8.02	mg/L		0.05	SW846-6010A
Manganese		1.06	mg/L		0.05	SW846-6010A
Sodium		14.6	mg/L		2	SW846-6010A

006025WA085-5

Collected: 9/16/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium		0.086	mg/L		0.05	SW846-6010A
Calcium	J	19.4	mg/L		0.5	SW846-6010A
Cobalt	BU	0.01	mg/L		0.01	SW846-6010A
Iron		1.3	mg/L		0.2	SW846-6010A
Magnesium		7.88	mg/L		0.05	SW846-6010A
Manganese		0.966	mg/L		0.05	SW846-6010A
Sodium		15.6	mg/L		2	SW846-6010A

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**ERI99-W3-6**

**WAG 3 - SWMU 6**

**006025WA090**

Collected: 9/16/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum		5.18	mg/L		0.2	SW846-6010A
Arsenic		0.005	mg/L		0.005	SW846-7060
Barium		0.4	mg/L		0.05	SW846-6010A
Beryllium	BU	0.005	mg/L		0.005	SW846-6010A
Cadmium	U	0.01	mg/L		0.01	SW846-6010A
Calcium		22.6	mg/L		0.5	SW846-6010A
Chromium	BU	0.05	mg/L		0.05	SW846-6010A
Cobalt		0.017	mg/L		0.01	SW846-6010A
Copper	BU	0.05	mg/L		0.05	SW846-6010A
Iron		77.8	mg/L		0.2	SW846-6010A
Magnesium		9.48	mg/L		0.05	SW846-6010A
Manganese		4.4	mg/L		0.05	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Potassium	U	2	mg/L		2	SW846-6010A
Selenium	U	0.005	mg/L		0.005	SW846-7740
Silver	BU	0.05	mg/L		0.05	SW846-6010A
Sodium		16	mg/L		2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Vanadium	U	0.1	mg/L		0.1	SW846-6010A
Zinc	BU	0.2	mg/L		0.2	SW846-6010A
<b>PPCB</b>						
PCB-1221	U	0.1	mg/L		0.1	SW846-8082 M
PCB-1232	U	0.1	mg/L		0.1	SW846-8082 M
<b>RADS</b>						
Alpha activity	A	1.5	pCi/L	1.3	2.1	SW846-9310
Beta activity		11.2	pCi/L	1.9	2.4	SW846-9310
Technetium-99	A	10.2	pCi/L	8.9	15	DNT
<b>SVOA</b>						
1,2,4-Trichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,2-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,3-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,4-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
2,4,5-Trichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4,6-Trichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dimethylphenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dinitrotoluene	U	0.01	mg/L		0.01	SW846-8270 M
2,6-Dinitrotoluene	U	0.01	mg/L		0.01	SW846-8270 M
2-Chloronaphthalene	U	0.01	mg/L		0.01	SW846-8270 M
2-Chlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Methyl-4,6-dinitrophenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Methylnaphthalene	U	0.01	mg/L		0.01	SW846-8270 M
2-Methylphenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Nitrobenzenamine	U	0.01	mg/L		0.01	SW846-8270 M
2-Nitrophenol	U	0.01	mg/L		0.01	SW846-8270 M
3,3'-Dichlorobenzidine	U	0.01	mg/L		0.01	SW846-8270 M
3-Nitrobenzenamine	U	0.01	mg/L		0.01	SW846-8270 M
4-Bromophenyl phenyl ether	U	0.01	mg/L		0.01	SW846-8270 M

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## ERI99-W3-6

## WAG 3 - SWMU 6

4-Chloro-3-methylphenol	U	0.01	mg/L	0.01	SW846-8270 M
4-Chlorobenzeneamine	U	0.01	mg/L	0.01	SW846-8270 M
4-Chlorophenyl phenyl ether	U	0.01	mg/L	0.01	SW846-8270 M
4-Methylphenol	U	0.01	mg/L	0.01	SW846-8270 M
4-Nitrobenzeneamine	U	0.01	mg/L	0.01	SW846-8270 M
4-Nitrophenol	U	0.01	mg/L	0.01	SW846-8270 M
Acenaphthene	U	0.01	mg/L	0.01	SW846-8270 M
Acenaphthylene	U	0.01	mg/L	0.01	SW846-8270 M
Anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Benz(a)anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(a)pyrene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(b)fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(ghi)perylene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(k)fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroethoxy)methane	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroethyl) ether	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroisopropyl) ether	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-ethylhexyl)phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Carbazole	U	0.01	mg/L	0.01	SW846-8270 M
Chrysene	U	0.01	mg/L	0.01	SW846-8270 M
Dibenz(a,h)anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Dibenzofuran	U	0.01	mg/L	0.01	SW846-8270 M
Diethyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Dimethyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Di-n-butyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Di-n-octylphthalate	U	0.01	mg/L	0.01	SW846-8270 M
Fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Fluorene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorobenzene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorobutadiene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorocyclopentadiene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachloroethane	U	0.01	mg/L	0.01	SW846-8270 M
Indeno(1,2,3-cd)pyrene	U	0.01	mg/L	0.01	SW846-8270 M
Isophorone	U	0.01	mg/L	0.01	SW846-8270 M
Naphthalene	U	0.01	mg/L	0.01	SW846-8270 M
Nitrobenzene	U	0.01	mg/L	0.01	SW846-8270 M
N-Nitroso-di-n-propylamine	U	0.01	mg/L	0.01	SW846-8270 M
N-Nitrosodiphenylamine	U	0.01	mg/L	0.01	SW846-8270 M
Pentachlorophenol	U	0.01	mg/L	0.01	SW846-8270 M
Phenanthrene	U	0.01	mg/L	0.01	SW846-8270 M
Phenol	U	0.01	mg/L	0.01	SW846-8270 M
Pyrene	U	0.01	mg/L	0.01	SW846-8270 M
<b>VOA</b>					
1,1-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
cis-1,2-Dichloroethene	J	0.0006	mg/L	0.001	SW846-8021 M
trans-1,2-Dichloroethene	J	0.0002	mg/L	0.001	SW846-8021 M
Trichloroethene		0.06	mg/L	0.001	SW846-8021 M
Vinyl chloride	U	0.001	mg/L	0.001	SW846-8021 M
<b>WETCHEM</b>					
Cyanide	U	0.02	mg/L	0.02	SW846-9014

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006-025

ERI99-W3-6

WAG 3 - SWMU 6

006025WA090-45

Collected: 9/16/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium		0.114	mg/L		0.05	SW846-6010A
Calcium		22	mg/L		0.5	SW846-6010A
Cobalt	U	0.01	mg/L		0.01	SW846-6010A
Iron		3.61	mg/L		0.2	SW846-6010A
Magnesium		9.13	mg/L		0.05	SW846-6010A
Manganese		1.42	mg/L		0.05	SW846-6010A
Sodium		15.9	mg/L		2	SW846-6010A

006025WA090-5

Collected: 9/16/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium		0.12	mg/L		0.05	SW846-6010A
Calcium	J	22.7	mg/L		0.5	SW846-6010A
Cobalt	BU	0.01	mg/L		0.01	SW846-6010A
Iron		3.03	mg/L		0.2	SW846-6010A
Magnesium		9.05	mg/L		0.05	SW846-6010A
Manganese		1.53	mg/L		0.05	SW846-6010A
Sodium		17.1	mg/L		2	SW846-6010A

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**006-025**

**ERI99-W3-6**

**WAG 3 - SWMU 6**

**006025WA095**

Collected: 9/16/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum		0.202	mg/L		0.2	SW846-6010A
Barium		0.076	mg/L		0.05	SW846-6010A
Beryllium	BU	0.005	mg/L		0.005	SW846-6010A
Cadmium	U	0.01	mg/L		0.01	SW846-6010A
Calcium		22	mg/L		0.5	SW846-6010A
Chromium	BU	0.05	mg/L		0.05	SW846-6010A
Cobalt	U	0.01	mg/L		0.01	SW846-6010A
Copper	BU	0.05	mg/L		0.05	SW846-6010A
Iron		3.26	mg/L		0.2	SW846-6010A
Magnesium		9.24	mg/L		0.05	SW846-6010A
Manganese		0.495	mg/L		0.05	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Potassium	U	2	mg/L		2	SW846-6010A
Selenium	U	0.005	mg/L		0.005	SW846-7740
Silver	BU	0.05	mg/L		0.05	SW846-6010A
Sodium		15.8	mg/L		2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Vanadium	U	0.1	mg/L		0.1	SW846-6010A
Zinc	BU	0.2	mg/L		0.2	SW846-6010A
<b>PCCB</b>						
PCB-1016	U	0.00012	mg/L		0.0001	SW846-8082
PCB-1221	U	0.1	mg/L		0.1	SW846-8082 M
PCB-1221	U	0.00094	mg/L		0.0009	SW846-8082
PCB-1232	U	0.1	mg/L		0.1	SW846-8082 M
PCB-1232	U	0.00014	mg/L		0.0001	SW846-8082
PCB-1242	U	0.00016	mg/L		0.0002	SW846-8082
PCB-1248	U	0.00013	mg/L		0.0001	SW846-8082
PCB-1254	U	0.00007	mg/L		7E-05	SW846-8082
PCB-1260	U	0.00015	mg/L		0.0002	SW846-8082
PCB-1268	U	0.00007	mg/L		7E-05	SW846-8082
Polychlorinated biphenyl	U	0.00094	mg/L		0.0009	SW846-8082
<b>RADS</b>						
Alpha activity	A	2.4	pCi/L	1.9	3	SW846-9310
Beta activity		28.3	pCi/L	2.5	2.4	SW846-9310
Technetium-99		56	pCi/L	11	15	DNT
<b>SVOA</b>						
1,2,4-Trichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,2-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,3-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,4-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
2,4,5-Trichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4,6-Trichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dimethylphenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dinitrotoluene	U	0.01	mg/L		0.01	SW846-8270 M
2,6-Dinitrotoluene	U	0.01	mg/L		0.01	SW846-8270 M
2-Chloronaphthalene	U	0.01	mg/L		0.01	SW846-8270 M
2-Chlorophenol	U	0.01	mg/L		0.01	SW846-8270 M

## 006-025

## ERI99-W3-6

## WAG 3 - SWMU 6

2-Methyl-4,6-dinitrophenol	U	0.01	mg/L	0.01	SW846-8270 M
2-Methylnaphthalene	U	0.01	mg/L	0.01	SW846-8270 M
2-Methylphenol	U	0.01	mg/L	0.01	SW846-8270 M
2-Nitrobenzenamine	U	0.01	mg/L	0.01	SW846-8270 M
2-Nitrophenol	U	0.01	mg/L	0.01	SW846-8270 M
3,3'-Dichlorobenzidine	U	0.01	mg/L	0.01	SW846-8270 M
3-Nitrobenzenamine	U	0.01	mg/L	0.01	SW846-8270 M
4-Bromophenyl phenyl ether	U	0.01	mg/L	0.01	SW846-8270 M
4-Chloro-3-methylphenol	U	0.01	mg/L	0.01	SW846-8270 M
4-Chlorobenzenamine	U	0.01	mg/L	0.01	SW846-8270 M
4-Chlorophenyl phenyl ether	U	0.01	mg/L	0.01	SW846-8270 M
4-Methylphenol	U	0.01	mg/L	0.01	SW846-8270 M
4-Nitrobenzenamine	U	0.01	mg/L	0.01	SW846-8270 M
4-Nitrophenol	U	0.01	mg/L	0.01	SW846-8270 M
Acenaphthene	U	0.01	mg/L	0.01	SW846-8270 M
Acenaphthylene	U	0.01	mg/L	0.01	SW846-8270 M
Anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Benz(a)anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(a)pyrene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(b)fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(ghi)perylene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(k)fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroethoxy)methane	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroethyl) ether	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroisopropyl) ether	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-ethylhexyl)phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Carbazole	U	0.01	mg/L	0.01	SW846-8270 M
Chrysene	U	0.01	mg/L	0.01	SW846-8270 M
Dibenz(a,h)anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Dibenzofuran	U	0.01	mg/L	0.01	SW846-8270 M
Diethyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Dimethyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Di-n-butyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Di-n-octylphthalate	U	0.01	mg/L	0.01	SW846-8270 M
Fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Fluorene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorobenzene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorobutadiene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorocyclopentadiene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachloroethane	U	0.01	mg/L	0.01	SW846-8270 M
Indeno(1,2,3-cd)pyrene	U	0.01	mg/L	0.01	SW846-8270 M
Isophorone	U	0.01	mg/L	0.01	SW846-8270 M
Naphthalene	U	0.01	mg/L	0.01	SW846-8270 M
Nitrobenzene	U	0.01	mg/L	0.01	SW846-8270 M
N-Nitroso-di-n-propylamine	U	0.01	mg/L	0.01	SW846-8270 M
N-Nitrosodiphenylamine	U	0.01	mg/L	0.01	SW846-8270 M
Pentachlorophenol	U	0.01	mg/L	0.01	SW846-8270 M
Phenanthrene	U	0.01	mg/L	0.01	SW846-8270 M
Phenol	U	0.01	mg/L	0.01	SW846-8270 M
Pyrene	U	0.01	mg/L	0.01	SW846-8270 M

## VOA

1,1,1-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260

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ERI99-W3-6

WAG 3 - SWMU 6

1,1-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
1,2-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dimethylbenzene	U	0.005	mg/L	0.005	SW846-8260
2-Butanone	U	0.01	mg/L	0.01	SW846-8260
2-Hexanone	U	0.01	mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L	0.01	SW846-8260
Acetone	JU	0.01	mg/L	0.01	SW846-8260
Benzene	U	0.005	mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromoform	U	0.005	mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L	0.005	SW846-8260
Chloroethane	U	0.005	mg/L	0.005	SW846-8260
Chloromethane	JU	0.005	mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene		0.001	mg/L	0.001	SW846-8021 M
cis-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L	0.005	SW846-8260
m,p-Xylene	U	0.01	mg/L	0.01	SW846-8260
Methylene chloride	U	0.01	mg/L	0.01	SW846-8260
Styrene	U	0.005	mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L	0.005	SW846-8260
Toluene	U	0.005	mg/L	0.005	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
trans-1,2-Dichloroethene	J	0.0002	mg/L	0.001	SW846-8021 M
trans-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Trichloroethene		0.17	mg/L	0.025	SW846-8260
Trichloroethene		0.14	mg/L	0.001	SW846-8021 M
Vinyl chloride	U	0.001	mg/L	0.001	SW846-8021 M
<b>WETCHEM</b>					
Cyanide	U	0.02	mg/L	0.02	SW846-9014

006025WA095-45

Collected: 9/16/1999

Media Type: WG

Sample Type: REG

Analysis	Qualifiers*	Results	Units	Counting Error (+/-)	Detect Limit	Method
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium	U	0.05	mg/L		0.05	SW846-6010A
Calcium		23.3	mg/L		0.5	SW846-6010A
Iron		1.37	mg/L		0.2	SW846-6010A
Magnesium		9.83	mg/L		0.05	SW846-6010A
Manganese		0.204	mg/L		0.05	SW846-6010A
Sodium		16.6	mg/L		2	SW846-6010A



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**ERI99-W3-6**

**WAG 3 - SWMU 6**

**006025WA095-5**

Collected: 9/16/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium		0.055	mg/L		0.05	SW846-6010A
Calcium	J	24	mg/L		0.5	SW846-6010A
Iron		3.83	mg/L		0.2	SW846-6010A
Magnesium		9.74	mg/L		0.05	SW846-6010A
Manganese		0.533	mg/L		0.05	SW846-6010A
Sodium		18	mg/L		2	SW846-6010A

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ERI99-W3-6

WAG 3 - SWMU 6

006025WA100

Collected: 9/16/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		64.7	mg/L		2	SW846-9056
Fluoride		0.12	mg/L		0.1	EPA-340.2
Nitrate		4.6	mg/L		4	SW846-9056
Nitrate as Nitrogen		1	mg/L		1	SW846-9056
Orthophosphate	U	6	mg/L		6	SW846-9056
Sulfate		7.5	mg/L		5	SW846-9056
<b>METAL</b>						
Aluminum		10.6	mg/L		0.2	SW846-6010A
Barium		0.184	mg/L		0.05	SW846-6010A
Beryllium	BU	0.005	mg/L		0.005	SW846-6010A
Cadmium	U	0.01	mg/L		0.01	SW846-6010A
Calcium		32.1	mg/L		0.5	SW846-6010A
Chromium	BU	0.05	mg/L		0.05	SW846-6010A
Cobalt		0.025	mg/L		0.01	SW846-6010A
Copper	BU	0.05	mg/L		0.05	SW846-6010A
Iron		71.9	mg/L		0.2	SW846-6010A
Magnesium		14.9	mg/L		0.05	SW846-6010A
Manganese		1.93	mg/L		0.05	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel		0.414	mg/L		0.05	SW846-6010A
Potassium		3.79	mg/L		2	SW846-6010A
Selenium	U	0.005	mg/L		0.005	SW846-7740
Silver	BU	0.05	mg/L		0.05	SW846-6010A
Sodium		20.3	mg/L		2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Vanadium	U	0.1	mg/L		0.1	SW846-6010A
Zinc	BU	0.2	mg/L		0.2	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		228	mg/L		100	EPA-160.2
pH		6.03	none			SW846-9040
Redox		141	mV			SM-2580-B
<b>PCCB</b>						
PCB-1221	U	0.1	mg/L		0.1	SW846-8082 M
PCB-1232	U	0.1	mg/L		0.1	SW846-8082 M
<b>RADS</b>						
Alpha activity	A	2.6	pCi/L	2.3	3.8	SW846-9310
Americium-241	A	1.02	pCi/L	2.04	64.5	RL-7124
Beta activity		81.1	pCi/L	3.7	2.4	SW846-9310
Neptunium-237	A	-13.6	pCi/L	27.3	42.2	RL-7124
Plutonium-239/240	A	-0.107	pCi/L	0.259	1.17	RL-7120
Technetium-99		119	pCi/L	12	15	DNT
Thorium-234	A	-238	pCi/L	476	464	RL-7124
<b>SVOA</b>						
1,2,4-Trichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,2-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,3-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,4-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
2,4,5-Trichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4,6-Trichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M

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## ERI99-W3-6

## WAG 3 - SWMU 6

2,4-Dichlorophenol	U	0.01	mg/L	0.01	SW846-8270 M
2,4-Dimethylphenol	U	0.01	mg/L	0.01	SW846-8270 M
2,4-Dinitrotoluene	U	0.01	mg/L	0.01	SW846-8270 M
2,6-Dinitrotoluene	U	0.01	mg/L	0.01	SW846-8270 M
2-Chloronaphthalene	U	0.01	mg/L	0.01	SW846-8270 M
2-Chlorophenol	U	0.01	mg/L	0.01	SW846-8270 M
2-Methyl-4,6-dinitrophenol	U	0.01	mg/L	0.01	SW846-8270 M
2-Methylnaphthalene	U	0.01	mg/L	0.01	SW846-8270 M
2-Methylphenol	U	0.01	mg/L	0.01	SW846-8270 M
2-Nitrobenzenamine	U	0.01	mg/L	0.01	SW846-8270 M
2-Nitrophenol	U	0.01	mg/L	0.01	SW846-8270 M
3,3'-Dichlorobenzidine	U	0.01	mg/L	0.01	SW846-8270 M
3-Nitrobenzenamine	U	0.01	mg/L	0.01	SW846-8270 M
4-Bromophenyl phenyl ether	U	0.01	mg/L	0.01	SW846-8270 M
4-Chloro-3-methylphenol	U	0.01	mg/L	0.01	SW846-8270 M
4-Chlorobenzenamine	U	0.01	mg/L	0.01	SW846-8270 M
4-Chlorophenyl phenyl ether	U	0.01	mg/L	0.01	SW846-8270 M
4-Methylphenol	U	0.01	mg/L	0.01	SW846-8270 M
4-Nitrobenzenamine	U	0.01	mg/L	0.01	SW846-8270 M
4-Nitrophenol	U	0.01	mg/L	0.01	SW846-8270 M
Acenaphthene	U	0.01	mg/L	0.01	SW846-8270 M
Acenaphthylene	U	0.01	mg/L	0.01	SW846-8270 M
Anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Benz(a)anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(a)pyrene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(b)fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(ghi)perylene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(k)fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroethoxy)methane	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroethyl) ether	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroisopropyl) ether	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-ethylhexyl)phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Carbazole	U	0.01	mg/L	0.01	SW846-8270 M
Chrysene	U	0.01	mg/L	0.01	SW846-8270 M
Dibenz(a,h)anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Dibenzofuran	U	0.01	mg/L	0.01	SW846-8270 M
Diethyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Dimethyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Di-n-butyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Di-n-octylphthalate	U	0.01	mg/L	0.01	SW846-8270 M
Fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Fluorene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorobenzene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorobutadiene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorocyclopentadiene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachloroethane	U	0.01	mg/L	0.01	SW846-8270 M
Indeno(1,2,3-cd)pyrene	U	0.01	mg/L	0.01	SW846-8270 M
Isophorone	U	0.01	mg/L	0.01	SW846-8270 M
Naphthalene	U	0.01	mg/L	0.01	SW846-8270 M
Nitrobenzene	U	0.01	mg/L	0.01	SW846-8270 M
N-Nitroso-di-n-propylamine	U	0.01	mg/L	0.01	SW846-8270 M
N-Nitrosodiphenylamine	U	0.01	mg/L	0.01	SW846-8270 M
Pentachlorophenol	U	0.01	mg/L	0.01	SW846-8270 M
Phenanthrene	U	0.01	mg/L	0.01	SW846-8270 M
Phenol	U	0.01	mg/L	0.01	SW846-8270 M

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ERI99-W3-6

WAG 3 - SWMU 6

Pyrene	U	0.01	mg/L	0.01	SW846-8270 M
<b>VOA</b>					
1,1-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
cis-1,2-Dichloroethene		0.006	mg/L	0.001	SW846-8021 M
trans-1,2-Dichloroethene	J	0.0003	mg/L	0.001	SW846-8021 M
Trichloroethene		0.74	mg/L	0.001	SW846-8021 M
Vinyl chloride	U	0.001	mg/L	0.001	SW846-8021 M
<b>WETCHEM</b>					
Alkalinity		62	mg/L	10	EPA-310.1
Ammonia	U	0.2	mg/L	0.2	EPA-350.2
Bicarbonate as CaCO3		52	mg/L	10	SM-2320 B 17
Carbonate as CaCO3	U	10	mg/L	10	SM-2320 B 17
Chemical Oxygen Demand (COD)	JU	25	mg/L	25	EPA-410.4 1978
Cyanide	U	0.02	mg/L	0.02	SW846-9014
Phosphate as Phosphorous	U	2	mg/L	2	SW846-9056
Silica	J	19	mg/L	1	EPA-370.1
Sulfide		2	mg/L	2	EPA-376.1
Suspended Solids	*	497	mg/L	10	EPA-160.1
Total Organic Carbon (TOC)	X	2.1	mg/L	1	SW846-9060
Turbidity		400	NTU	0.5	EPA-180.1 1978

006025WA100-45

Collected: 9/16/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium		0.089	mg/L		0.05	SW846-6010A
Calcium		27.1	mg/L		0.5	SW846-6010A
Cobalt	U	0.01	mg/L		0.01	SW846-6010A
Iron		1.69	mg/L		0.2	SW846-6010A
Magnesium		11.5	mg/L		0.05	SW846-6010A
Manganese		0.944	mg/L		0.05	SW846-6010A
Potassium	U	2	mg/L		2	SW846-6010A
Sodium		18.5	mg/L		2	SW846-6010A

006025WA100-5

Collected: 9/16/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium		0.096	mg/L		0.05	SW846-6010A
Calcium	J	30.4	mg/L		0.5	SW846-6010A
Cobalt	B	0.011	mg/L		0.01	SW846-6010A
Iron		2.57	mg/L		0.2	SW846-6010A
Magnesium		12.3	mg/L		0.05	SW846-6010A
Manganese		1.09	mg/L		0.05	SW846-6010A
Potassium		2.18	mg/L		2	SW846-6010A
Sodium		21.7	mg/L		2	SW846-6010A

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**ERI99-W3-6**

**WAG 3 - SWMU 6**

**006025WA105**

Collected: 9/16/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum		250	mg/L		0.2	SW846-6010A
Arsenic		0.013	mg/L		0.005	SW846-7060
Barium		2.41	mg/L		0.05	SW846-6010A
Beryllium		0.029	mg/L		0.005	SW846-6010A
Cadmium		0.015	mg/L		0.01	SW846-6010A
Calcium		127	mg/L		0.5	SW846-6010A
Chromium	N	0.76	mg/L		0.5	SW846-6010A
Cobalt		0.118	mg/L		0.01	SW846-6010A
Copper	U	0.5	mg/L		0.5	SW846-6010A
Iron	*N	2210	mg/L		2	SW846-6010A
Lead		0.788	mg/L		0.2	SW846-6010A
Magnesium		63.5	mg/L		0.05	SW846-6010A
Manganese		14.5	mg/L		0.5	SW846-6010A
Mercury		0.0012	mg/L		0.0002	SW846-7470
Nickel	ENU	0.5	mg/L		0.5	SW846-6010A
Potassium		38.1	mg/L		2	SW846-6010A
Selenium	U	0.005	mg/L		0.005	SW846-7740
Silver	U	0.5	mg/L		0.5	SW846-6010A
Sodium		6.78	mg/L		2	SW846-6010A
Thallium	BNU	2	mg/L		2	SW846-6010A
Vanadium		1.24	mg/L		0.1	SW846-6010A
Zinc	*NU	2	mg/L		2	SW846-6010A
<b>PPCB</b>						
PCB-1221	U	0.172	mg/L		0.172	SW846-8082 M
PCB-1232	U	0.172	mg/L		0.172	SW846-8082 M
<b>RADS</b>						
Alpha activity		2.5	pCi/L	1.4	2.1	SW846-9310
Beta activity		33.4	pCi/L	2.6	2.5	SW846-9310
Technetium-99		41	pCi/L	10	15	DNT
<b>SVOA</b>						
1,2,4-Trichlorobenzene	U	0.02	mg/L		0.02	SW846-8270 M
1,2-Dichlorobenzene	U	0.02	mg/L		0.02	SW846-8270 M
1,3-Dichlorobenzene	U	0.02	mg/L		0.02	SW846-8270 M
1,4-Dichlorobenzene	U	0.02	mg/L		0.02	SW846-8270 M
2,4,5-Trichlorophenol	U	0.02	mg/L		0.02	SW846-8270 M
2,4,6-Trichlorophenol	U	0.02	mg/L		0.02	SW846-8270 M
2,4-Dichlorophenol	U	0.02	mg/L		0.02	SW846-8270 M
2,4-Dimethylphenol	U	0.02	mg/L		0.02	SW846-8270 M
2,4-Dinitrotoluene	U	0.02	mg/L		0.02	SW846-8270 M
2,6-Dinitrotoluene	U	0.02	mg/L		0.02	SW846-8270 M
2-Chloronaphthalene	U	0.02	mg/L		0.02	SW846-8270 M
2-Chlorophenol	U	0.02	mg/L		0.02	SW846-8270 M
2-Methyl-4,6-dinitrophenol	U	0.02	mg/L		0.02	SW846-8270 M
2-Methylnaphthalene	U	0.02	mg/L		0.02	SW846-8270 M
2-Methylphenol	U	0.02	mg/L		0.02	SW846-8270 M
2-Nitrobenzenamine	U	0.02	mg/L		0.02	SW846-8270 M
2-Nitrophenol	U	0.02	mg/L		0.02	SW846-8270 M
3,3'-Dichlorobenzidine	U	0.02	mg/L		0.02	SW846-8270 M
3-Nitrobenzenamine	U	0.02	mg/L		0.02	SW846-8270 M

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## ERI99-W3-6

## WAG 3 - SWMU 6

4-Bromophenyl phenyl ether	U	0.02	mg/L	0.02	SW846-8270 M
4-Chloro-3-methylphenol	U	0.02	mg/L	0.02	SW846-8270 M
4-Chlorobenzeneamine	U	0.02	mg/L	0.02	SW846-8270 M
4-Chlorophenyl phenyl ether	U	0.02	mg/L	0.02	SW846-8270 M
4-Methylphenol	U	0.02	mg/L	0.02	SW846-8270 M
4-Nitrobenzeneamine	U	0.02	mg/L	0.02	SW846-8270 M
4-Nitrophenol	U	0.02	mg/L	0.02	SW846-8270 M
Acenaphthene	U	0.02	mg/L	0.02	SW846-8270 M
Acenaphthylene	U	0.02	mg/L	0.02	SW846-8270 M
Anthracene	U	0.02	mg/L	0.02	SW846-8270 M
Benz(a)anthracene	U	0.02	mg/L	0.02	SW846-8270 M
Benzo(a)pyrene	U	0.02	mg/L	0.02	SW846-8270 M
Benzo(b)fluoranthene	U	0.02	mg/L	0.02	SW846-8270 M
Benzo(ghi)perylene	U	0.02	mg/L	0.02	SW846-8270 M
Benzo(k)fluoranthene	U	0.02	mg/L	0.02	SW846-8270 M
Bis(2-chloroethoxy)methane	U	0.02	mg/L	0.02	SW846-8270 M
Bis(2-chloroethyl) ether	U	0.02	mg/L	0.02	SW846-8270 M
Bis(2-chloroisopropyl) ether	U	0.02	mg/L	0.02	SW846-8270 M
Bis(2-ethylhexyl)phthalate	U	0.02	mg/L	0.02	SW846-8270 M
Carbazole	U	0.02	mg/L	0.02	SW846-8270 M
Chrysene	U	0.02	mg/L	0.02	SW846-8270 M
Dibenz(a,h)anthracene	U	0.02	mg/L	0.02	SW846-8270 M
Dibenzofuran	U	0.02	mg/L	0.02	SW846-8270 M
Diethyl phthalate	U	0.02	mg/L	0.02	SW846-8270 M
Dimethyl phthalate	U	0.02	mg/L	0.02	SW846-8270 M
Di-n-butyl phthalate	U	0.02	mg/L	0.02	SW846-8270 M
Di-n-octylphthalate	U	0.02	mg/L	0.02	SW846-8270 M
Fluoranthene	U	0.02	mg/L	0.02	SW846-8270 M
Fluorene	U	0.02	mg/L	0.02	SW846-8270 M
Hexachlorobenzene	U	0.02	mg/L	0.02	SW846-8270 M
Hexachlorobutadiene	U	0.02	mg/L	0.02	SW846-8270 M
Hexachlorocyclopentadiene	U	0.02	mg/L	0.02	SW846-8270 M
Hexachloroethane	U	0.02	mg/L	0.02	SW846-8270 M
Indeno(1,2,3-cd)pyrene	U	0.02	mg/L	0.02	SW846-8270 M
Isophorone	U	0.02	mg/L	0.02	SW846-8270 M
Naphthalene	U	0.02	mg/L	0.02	SW846-8270 M
Nitrobenzene	U	0.02	mg/L	0.02	SW846-8270 M
N-Nitroso-di-n-propylamine	U	0.02	mg/L	0.02	SW846-8270 M
N-Nitrosodiphenylamine	U	0.02	mg/L	0.02	SW846-8270 M
Pentachlorophenol	U	0.02	mg/L	0.02	SW846-8270 M
Phenanthrene	U	0.02	mg/L	0.02	SW846-8270 M
Phenol	U	0.02	mg/L	0.02	SW846-8270 M
Pyrene	U	0.02	mg/L	0.02	SW846-8270 M
<b>VOA</b>					
1,1-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
cis-1,2-Dichloroethene	J	0.0002	mg/L	0.001	SW846-8021 M
trans-1,2-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
Trichloroethene		0.01	mg/L	0.001	SW846-8021 M
Vinyl chloride	U	0.001	mg/L	0.001	SW846-8021 M
<b>WETCHEM</b>					
Cyanide	U	0.02	mg/L	0.02	SW846-9014

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006-025

ERI99-W3-6

WAG 3 - SWMU 6

006025WA105-45

Collected: 9/16/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium		0.073	mg/L		0.05	SW846-6010A
Beryllium	BU	0.005	mg/L		0.005	SW846-6010A
Cadmium	BU	0.01	mg/L		0.01	SW846-6010A
Calcium		13.3	mg/L		0.5	SW846-6010A
Chromium	U	0.05	mg/L		0.05	SW846-6010A
Cobalt	U	0.01	mg/L		0.01	SW846-6010A
Iron	U	0.2	mg/L		0.2	SW846-6010A
Magnesium		6.06	mg/L		0.05	SW846-6010A
Manganese		0.459	mg/L		0.05	SW846-6010A
Mercury	BNU	0.0002	mg/L		0.0002	SW846-7470
Potassium		2.34	mg/L		2	SW846-6010A
Sodium		12.2	mg/L		2	SW846-6010A
Vanadium	BU	0.1	mg/L		0.1	SW846-6010A

006025WA105-5

Collected: 9/16/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum		0.465	mg/L		0.2	SW846-6010A
Barium		0.074	mg/L		0.05	SW846-6010A
Beryllium	BU	0.005	mg/L		0.005	SW846-6010A
Cadmium	U	0.01	mg/L		0.01	SW846-6010A
Calcium	J	14.4	mg/L		0.5	SW846-6010A
Chromium	BU	0.05	mg/L		0.05	SW846-6010A
Cobalt	BU	0.01	mg/L		0.01	SW846-6010A
Iron		0.441	mg/L		0.2	SW846-6010A
Magnesium		6.13	mg/L		0.05	SW846-6010A
Manganese		0.485	mg/L		0.05	SW846-6010A
Mercury	BNU	0.0002	mg/L		0.0002	SW846-7470
Potassium		2.46	mg/L		2	SW846-6010A
Sodium		13.7	mg/L		2	SW846-6010A
Vanadium	U	0.1	mg/L		0.1	SW846-6010A

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**006-025**

**ERI99-W3-6**

**WAG 3 - SWMU 6**

**006025WA110**

Collected: 9/20/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum		221	mg/L		0.2	SW846-6010A
Arsenic		0.035	mg/L		0.005	SW846-7060
Barium		1.92	mg/L		0.05	SW846-6010A
Beryllium		0.029	mg/L		0.005	SW846-6010A
Cadmium		0.021	mg/L		0.01	SW846-6010A
Calcium		93.9	mg/L		0.5	SW846-6010A
Chromium		0.667	mg/L		0.05	SW846-6010A
Cobalt		0.609	mg/L		0.01	SW846-6010A
Copper		0.516	mg/L		0.05	SW846-6010A
Iron	*N	930	mg/L		2	SW846-6010A
Lead		0.698	mg/L		0.2	SW846-6010A
Magnesium		46.3	mg/L		0.05	SW846-6010A
Manganese		4.69	mg/L		0.05	SW846-6010A
Mercury		0.0006	mg/L		0.0002	SW846-7470
Nickel	NU	0.5	mg/L		0.5	SW846-6010A
Potassium		38.8	mg/L		2	SW846-6010A
Selenium	U	0.005	mg/L		0.005	SW846-7740
Silver	BU	0.05	mg/L		0.05	SW846-6010A
Sodium		11.5	mg/L		2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Vanadium		1.2	mg/L		0.1	SW846-6010A
Zinc		1.44	mg/L		0.2	SW846-6010A
<b>PPCB</b>						
PCB-1221	U	0.136	mg/L		0.136	SW846-8082 M
PCB-1232	U	0.136	mg/L		0.136	SW846-8082 M
<b>RADS</b>						
Alpha activity		1.99	pCi/L	0.96	1.3	SW846-9310
Beta activity		6	pCi/L	1.6	2.2	SW846-9310
Technetium-99	A	-2.8	pCi/L	8.4	15	DNT
<b>SVOA</b>						
1,2,4-Trichlorobenzene	U	0.02	mg/L		0.02	SW846-8270 M
1,2-Dichlorobenzene	U	0.02	mg/L		0.02	SW846-8270 M
1,3-Dichlorobenzene	U	0.02	mg/L		0.02	SW846-8270 M
1,4-Dichlorobenzene	U	0.02	mg/L		0.02	SW846-8270 M
2,4,5-Trichlorophenol	U	0.02	mg/L		0.02	SW846-8270 M
2,4,6-Trichlorophenol	U	0.02	mg/L		0.02	SW846-8270 M
2,4-Dichlorophenol	U	0.02	mg/L		0.02	SW846-8270 M
2,4-Dimethylphenol	U	0.02	mg/L		0.02	SW846-8270 M
2,4-Dinitrophenol	U	0.02	mg/L		0.02	SW846-8270 M
2,4-Dinitrotoluene	U	0.02	mg/L		0.02	SW846-8270 M
2,6-Dinitrotoluene	U	0.02	mg/L		0.02	SW846-8270 M
2-Chloronaphthalene	U	0.02	mg/L		0.02	SW846-8270 M
2-Chlorophenol	U	0.02	mg/L		0.02	SW846-8270 M
2-Methyl-4,6-dinitrophenol	U	0.02	mg/L		0.02	SW846-8270 M
2-Methylnaphthalene	U	0.02	mg/L		0.02	SW846-8270 M
2-Methylphenol	U	0.02	mg/L		0.02	SW846-8270 M
2-Nitrobenzenamine	U	0.02	mg/L		0.02	SW846-8270 M
2-Nitrophenol	U	0.02	mg/L		0.02	SW846-8270 M
3,3'-Dichlorobenzidine	U	0.02	mg/L		0.02	SW846-8270 M



## 006-025

## ERI99-W3-6

## WAG 3 - SWMU 6

3-Nitrobenzenamine	U	0.02	mg/L	0.02	SW846-8270 M
4-Bromophenyl phenyl ether	U	0.02	mg/L	0.02	SW846-8270 M
4-Chloro-3-methylphenol	U	0.02	mg/L	0.02	SW846-8270 M
4-Chlorobenzenamine	U	0.02	mg/L	0.02	SW846-8270 M
4-Chlorophenyl phenyl ether	U	0.02	mg/L	0.02	SW846-8270 M
4-Methylphenol	U	0.02	mg/L	0.02	SW846-8270 M
4-Nitrobenzenamine	U	0.02	mg/L	0.02	SW846-8270 M
4-Nitrophenol	U	0.02	mg/L	0.02	SW846-8270 M
Acenaphthene	U	0.02	mg/L	0.02	SW846-8270 M
Acenaphthylene	U	0.02	mg/L	0.02	SW846-8270 M
Anthracene	U	0.02	mg/L	0.02	SW846-8270 M
Benz(a)anthracene	U	0.02	mg/L	0.02	SW846-8270 M
Benzo(a)pyrene	U	0.02	mg/L	0.02	SW846-8270 M
Benzo(b)fluoranthene	U	0.02	mg/L	0.02	SW846-8270 M
Benzo(ghi)perylene	U	0.02	mg/L	0.02	SW846-8270 M
Benzo(k)fluoranthene	U	0.02	mg/L	0.02	SW846-8270 M
Bis(2-chloroethoxy)methane	U	0.02	mg/L	0.02	SW846-8270 M
Bis(2-chloroethyl) ether	U	0.02	mg/L	0.02	SW846-8270 M
Bis(2-chloroisopropyl) ether	U	0.02	mg/L	0.02	SW846-8270 M
Bis(2-ethylhexyl)phthalate	U	0.02	mg/L	0.02	SW846-8270 M
Butyl benzyl phthalate	U	0.02	mg/L	0.02	SW846-8270 M
Carbazole	U	0.02	mg/L	0.02	SW846-8270 M
Chrysene	U	0.02	mg/L	0.02	SW846-8270 M
Dibenz(a,h)anthracene	U	0.02	mg/L	0.02	SW846-8270 M
Dibenzofuran	U	0.02	mg/L	0.02	SW846-8270 M
Diethyl phthalate	U	0.02	mg/L	0.02	SW846-8270 M
Dimethyl phthalate	U	0.02	mg/L	0.02	SW846-8270 M
Di-n-butyl phthalate	U	0.02	mg/L	0.02	SW846-8270 M
Di-n-octylphthalate	U	0.02	mg/L	0.02	SW846-8270 M
Fluoranthene	U	0.02	mg/L	0.02	SW846-8270 M
Fluorene	U	0.02	mg/L	0.02	SW846-8270 M
Hexachlorobenzene	U	0.02	mg/L	0.02	SW846-8270 M
Hexachlorobutadiene	U	0.02	mg/L	0.02	SW846-8270 M
Hexachlorocyclopentadiene	U	0.02	mg/L	0.02	SW846-8270 M
Hexachloroethane	U	0.02	mg/L	0.02	SW846-8270 M
Indeno(1,2,3-cd)pyrene	U	0.02	mg/L	0.02	SW846-8270 M
Isophorone	U	0.02	mg/L	0.02	SW846-8270 M
Naphthalene	U	0.02	mg/L	0.02	SW846-8270 M
Nitrobenzene	U	0.02	mg/L	0.02	SW846-8270 M
N-Nitroso-di-n-propylamine	U	0.02	mg/L	0.02	SW846-8270 M
N-Nitrosodiphenylamine	U	0.02	mg/L	0.02	SW846-8270 M
Pentachlorophenol	U	0.02	mg/L	0.02	SW846-8270 M
Phenanthrene	U	0.02	mg/L	0.02	SW846-8270 M
Phenol	U	0.02	mg/L	0.02	SW846-8270 M
Pyrene	U	0.02	mg/L	0.02	SW846-8270 M
<b>VOA</b>					
1,1-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
cis-1,2-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
trans-1,2-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
Trichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
Vinyl chloride	U	0.001	mg/L	0.001	SW846-8021 M
<b>WETCHEM</b>					
Cyanide	U	0.02	mg/L	0.02	SW846-9014

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006-025

ERI99-W3-6

WAG 3 - SWMU 6

006025WA110-45

Collected: 9/20/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium		0.075	mg/L		0.05	SW846-6010A
Beryllium	BU	0.005	mg/L		0.005	SW846-6010A
Cadmium	BU	0.01	mg/L		0.01	SW846-6010A
Calcium		11.1	mg/L		0.5	SW846-6010A
Chromium	U	0.05	mg/L		0.05	SW846-6010A
Cobalt	U	0.01	mg/L		0.01	SW846-6010A
Copper	U	0.05	mg/L		0.05	SW846-6010A
Iron	U	0.2	mg/L		0.2	SW846-6010A
Magnesium		5.02	mg/L		0.05	SW846-6010A
Manganese		0.369	mg/L		0.05	SW846-6010A
Mercury	BNU	0.0002	mg/L		0.0002	SW846-7470
Potassium		3.8	mg/L		2	SW846-6010A
Sodium		10.9	mg/L		2	SW846-6010A
Vanadium	BU	0.1	mg/L		0.1	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A

006025WA110-5

Collected: 9/20/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum		1.8	mg/L		0.2	SW846-6010A
Barium		0.082	mg/L		0.05	SW846-6010A
Beryllium	BU	0.005	mg/L		0.005	SW846-6010A
Cadmium	U	0.01	mg/L		0.01	SW846-6010A
Calcium	J	11.7	mg/L		0.5	SW846-6010A
Chromium	BU	0.05	mg/L		0.05	SW846-6010A
Cobalt	BU	0.01	mg/L		0.01	SW846-6010A
Copper	BU	0.05	mg/L		0.05	SW846-6010A
Iron		0.643	mg/L		0.2	SW846-6010A
Magnesium		5.02	mg/L		0.05	SW846-6010A
Manganese		0.357	mg/L		0.05	SW846-6010A
Mercury	BNU	0.0002	mg/L		0.0002	SW846-7470
Potassium		4.04	mg/L		2	SW846-6010A
Sodium		12.4	mg/L		2	SW846-6010A
Vanadium	U	0.1	mg/L		0.1	SW846-6010A
Zinc	BU	0.2	mg/L		0.2	SW846-6010A

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006-025

ERI99-W3-6

WAG 3 - SWMU 6

006025WD095

Collected: 9/16/1999

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum		8.32	mg/L		0.2	SW846-6010A
Barium		1.19	mg/L		0.05	SW846-6010A
Beryllium	BU	0.005	mg/L		0.005	SW846-6010A
Cadmium	U	0.01	mg/L		0.01	SW846-6010A
Calcium		20.6	mg/L		0.5	SW846-6010A
Chromium	BU	0.05	mg/L		0.05	SW846-6010A
Cobalt		0.034	mg/L		0.01	SW846-6010A
Copper	BU	0.05	mg/L		0.05	SW846-6010A
Iron		112	mg/L		0.2	SW846-6010A
Magnesium		9.19	mg/L		0.05	SW846-6010A
Manganese		11.1	mg/L		0.05	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Potassium		2.24	mg/L		2	SW846-6010A
Selenium	U	0.005	mg/L		0.005	SW846-7740
Silver	BU	0.05	mg/L		0.05	SW846-6010A
Sodium		14.1	mg/L		2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Vanadium	U	0.1	mg/L		0.1	SW846-6010A
Zinc	B	0.204	mg/L		0.2	SW846-6010A
<b>PCCB</b>						
PCB-1221	U	0.1	mg/L		0.1	SW846-8082 M
PCB-1232	U	0.1	mg/L		0.1	SW846-8082 M
<b>RADS</b>						
Alpha activity		2.6	pCi/L	1.6	2.3	SW846-9310
Beta activity		16.2	pCi/L	2.1	2.5	SW846-9310
Technetium-99		25.6	pCi/L	8.4	13	DNT
<b>SVOA</b>						
1,2,4-Trichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,2-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,3-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,4-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
2,4,5-Trichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4,6-Trichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dimethylphenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dinitrotoluene	U	0.01	mg/L		0.01	SW846-8270 M
2,6-Dinitrotoluene	U	0.01	mg/L		0.01	SW846-8270 M
2-Chloronaphthalene	U	0.01	mg/L		0.01	SW846-8270 M
2-Chlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Methyl-4,6-dinitrophenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Methylnaphthalene	U	0.01	mg/L		0.01	SW846-8270 M
2-Methylphenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Nitrobenzenamine	U	0.01	mg/L		0.01	SW846-8270 M
2-Nitrophenol	U	0.01	mg/L		0.01	SW846-8270 M
3,3'-Dichlorobenzidine	U	0.01	mg/L		0.01	SW846-8270 M
3-Nitrobenzenamine	U	0.01	mg/L		0.01	SW846-8270 M
4-Bromophenyl phenyl ether	U	0.01	mg/L		0.01	SW846-8270 M
4-Chloro-3-methylphenol	U	0.01	mg/L		0.01	SW846-8270 M

\*QUALIFIER Codes See attached List.

## 006-025

## ERI99-W3-6

## WAG 3 - SWMU 6

4-Chlorobenzeneamine	U	0.01	mg/L	0.01	SW846-8270 M
4-Chlorophenyl phenyl ether	U	0.01	mg/L	0.01	SW846-8270 M
4-Methylphenol	U	0.01	mg/L	0.01	SW846-8270 M
4-Nitrobenzeneamine	U	0.01	mg/L	0.01	SW846-8270 M
4-Nitrophenol	U	0.01	mg/L	0.01	SW846-8270 M
Acenaphthene	U	0.01	mg/L	0.01	SW846-8270 M
Acenaphthylene	U	0.01	mg/L	0.01	SW846-8270 M
Anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Benz(a)anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(a)pyrene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(b)fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(ghi)perylene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(k)fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroethoxy)methane	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroethyl) ether	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroisopropyl) ether	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-ethylhexyl)phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Carbazole	U	0.01	mg/L	0.01	SW846-8270 M
Chrysene	U	0.01	mg/L	0.01	SW846-8270 M
Dibenz(a,h)anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Dibenzofuran	U	0.01	mg/L	0.01	SW846-8270 M
Diethyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Dimethyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Di-n-butyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Di-n-octylphthalate	U	0.01	mg/L	0.01	SW846-8270 M
Fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Fluorene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorobenzene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorobutadiene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorocyclopentadiene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachloroethane	U	0.01	mg/L	0.01	SW846-8270 M
Indeno(1,2,3-cd)pyrene	U	0.01	mg/L	0.01	SW846-8270 M
Isophorone	U	0.01	mg/L	0.01	SW846-8270 M
Naphthalene	U	0.01	mg/L	0.01	SW846-8270 M
Nitrobenzene	U	0.01	mg/L	0.01	SW846-8270 M
N-Nitroso-di-n-propylamine	U	0.01	mg/L	0.01	SW846-8270 M
N-Nitrosodiphenylamine	U	0.01	mg/L	0.01	SW846-8270 M
Pentachlorophenol	U	0.01	mg/L	0.01	SW846-8270 M
Phenanthrene	U	0.01	mg/L	0.01	SW846-8270 M
Phenol	U	0.01	mg/L	0.01	SW846-8270 M
Pyrene	U	0.01	mg/L	0.01	SW846-8270 M
<b>VOA</b>					
1,1-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
cis-1,2-Dichloroethene		0.001	mg/L	0.001	SW846-8021 M
trans-1,2-Dichloroethene	J	0.0003	mg/L	0.001	SW846-8021 M
Trichloroethene		0.14	mg/L	0.001	SW846-8021 M
Vinyl chloride	U	0.001	mg/L	0.001	SW846-8021 M
<b>WETCHEM</b>					
Cyanide	U	0.02	mg/L	0.02	SW846-9014

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006-025

ERI99-W3-6

WAG 3 - SWMU 6

006025WD095-45

Collected: 9/16/1999

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium		0.073	mg/L		0.05	SW846-6010A
Calcium		23.4	mg/L		0.5	SW846-6010A
Cobalt	U	0.01	mg/L		0.01	SW846-6010A
Iron		3.4	mg/L		0.2	SW846-6010A
Magnesium		9.81	mg/L		0.05	SW846-6010A
Manganese		0.742	mg/L		0.05	SW846-6010A
Potassium	U	2	mg/L		2	SW846-6010A
Sodium		16.6	mg/L		2	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A

006025WD095-5

Collected: 9/16/1999

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium		0.088	mg/L		0.05	SW846-6010A
Calcium	J	24.6	mg/L		0.5	SW846-6010A
Cobalt	BU	0.01	mg/L		0.01	SW846-6010A
Iron		3.71	mg/L		0.2	SW846-6010A
Magnesium		9.86	mg/L		0.05	SW846-6010A
Manganese		0.972	mg/L		0.05	SW846-6010A
Potassium	U	2	mg/L		2	SW846-6010A
Sodium		18.3	mg/L		2	SW846-6010A
Zinc	BU	0.2	mg/L		0.2	SW846-6010A

004-032

ERI99-W3C-4

Contingency WAG 3 - SWMU 4

004032WA040C

Collected: 7/20/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>VOA</b>						
1,1-Dichloroethene	U	0.001	mg/L		0.001	SW846-8021 M
cis-1,2-Dichloroethene	U	0.001	mg/L		0.001	SW846-8021 M
trans-1,2-Dichloroethene	U	0.001	mg/L		0.001	SW846-8021 M
Trichloroethene	U	0.001	mg/L		0.001	SW846-8021 M
Vinyl chloride	U	0.001	mg/L		0.001	SW846-8021 M

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**004-033**

**ERI99-W3C-4**

## Contingency WAG 3 - SWMU 4

**004033WA040C**

Collected: 7/24/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>RADS</b>						
Alpha activity		940	pCi/L	42	23	SW846-9310
Beta activity		594	pCi/L	17	14	SW846-9310
Technetium-99		1240	pCi/L	33	14	DNT
<b>VOA</b>						
1,1,2,2-Tetrachloroethane	U	5	mg/L		5	SW846-8260
1,1-Dichloroethene		0.05	mg/L		0.001	SW846-8021 M
1,2-Dichloropropane	U	5	mg/L		5	SW846-8260
1,2-Dimethylbenzene	U	5	mg/L		5	SW846-8260
2-Butanone	U	10	mg/L		10	SW846-8260
2-Hexanone	U	10	mg/L		10	SW846-8260
Acetone		10	mg/L		10	SW846-8260
Bromodichloromethane	U	5	mg/L		5	SW846-8260
Bromoform	U	5	mg/L		5	SW846-8260
cis-1,2-Dichloroethene		0.96	mg/L		0.001	SW846-8021 M
cis-1,3-Dichloropropene	U	5	mg/L		5	SW846-8260
Dibromochloromethane	U	5	mg/L		5	SW846-8260
m,p-Xylene	U	10	mg/L		10	SW846-8260
Styrene	U	5	mg/L		5	SW846-8260
trans-1,2-Dichloroethene		0.005	mg/L		0.001	SW846-8021 M
trans-1,3-Dichloropropene	U	5	mg/L		5	SW846-8260
Trichloroethene		18	mg/L		0.001	SW846-8021 M
Trichloroethene		23	mg/L		1	SW846-8260
Vinyl chloride		0.071	mg/L		0.001	SW846-8021 M

004-035

ERI99-W3C-4

Contingency WAG 3 - SWMU 4

004035WA040C

Collected: 8/12/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>RADS</b>						
Alpha activity		161	pCi/L	14	7.4	SW846-9310
Americium-241	A	-24.7	pCi/L	49.4	76.4	RL-7124
Beta activity	U	2.2	pCi/L	4	6.7	SW846-9310
Neptunium-237	A	-11.5	pCi/L	23	48.8	RL-7124
Plutonium-239/240	A	-0.226	pCi/L	0.141	1.21	RL-7120
Technetium-99		44	pCi/L	11	16	DNT
Thorium-234	A	69.7	pCi/L	139	540	RL-7124
Uranium-235		0.411	wt %			AS7300
<b>VOA</b>						
1,1-Dichloroethene		0.0072	mg/L		0.001	SW846-8021 M
cis-1,2-Dichloroethene		1.5	mg/L		0.001	SW846-8021 M
trans-1,2-Dichloroethene		0.048	mg/L		0.001	SW846-8021 M
Trichloroethene		3.3	mg/L		0.001	SW846-8021 M
Vinyl chloride		0.34	mg/L		0.001	SW846-8021 M



004-036

ERI99-W3C-4

Contingency WAG 3 - SWMU 4

004036WA040C

Collected: 8/12/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>RADS</b>						
Alpha activity		19.2	pCi/L	6	8.6	SW846-9310
Americium-241	A	-12	pCi/L	24.1	80	RL-7124
Beta activity		223	pCi/L	5.7	2.8	SW846-9310
Neptunium-237	A	-4.2	pCi/L	8.41	48.1	RL-7124
Plutonium-239/240	A	-0.2	pCi/L	0.166	1.2	RL-7120
Technetium-99		390	pCi/L	21	16	DNT
Thorium-234	A	116	pCi/L	233	544	RL-7124
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.025	mg/L		0.025	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.025	mg/L		0.025	SW846-8260
1,1-Dichloroethane	U	0.025	mg/L		0.025	SW846-8260
1,1-Dichloroethene	J	0.0003	mg/L		0.001	SW846-8021 M
1,2-Dichloropropane	U	0.025	mg/L		0.025	SW846-8260
1,2-Dimethylbenzene	U	0.025	mg/L		0.025	SW846-8260
2-Butanone	U	0.05	mg/L		0.05	SW846-8260
2-Hexanone	U	0.05	mg/L		0.05	SW846-8260
4-Methyl-2-pentanone	U	0.05	mg/L		0.05	SW846-8260
Acetone		0.061	mg/L		0.05	SW846-8260
Benzene	UY	0.025	mg/L		0.025	SW846-8260
Bromodichloromethane	U	0.025	mg/L		0.025	SW846-8260
Bromoform	U	0.025	mg/L		0.025	SW846-8260
Carbon disulfide	U	0.025	mg/L		0.025	SW846-8260
Chlorobenzene	UY	0.025	mg/L		0.025	SW846-8260
Chloroethane	U	0.025	mg/L		0.025	SW846-8260
Chloromethane	U	0.025	mg/L		0.025	SW846-8260
cis-1,2-Dichloroethene		0.06	mg/L		0.001	SW846-8021 M
cis-1,2-Dichloroethene		0.069	mg/L		0.025	SW846-8260
cis-1,3-Dichloropropene	U	0.025	mg/L		0.025	SW846-8260
Dibromochloromethane	U	0.025	mg/L		0.025	SW846-8260
Ethylbenzene	U	0.025	mg/L		0.025	SW846-8260
m,p-Xylene	U	0.05	mg/L		0.05	SW846-8260
Methylene chloride	JU	0.05	mg/L		0.05	SW846-8260
Styrene	U	0.025	mg/L		0.025	SW846-8260
Tetrachloroethene	U	0.025	mg/L		0.025	SW846-8260
Toluene	UY	0.025	mg/L		0.025	SW846-8260
trans-1,2-Dichloroethene		0.0037	mg/L		0.001	SW846-8021 M
trans-1,2-Dichloroethene	U	0.025	mg/L		0.025	SW846-8260
trans-1,3-Dichloropropene	U	0.025	mg/L		0.025	SW846-8260
Trichloroethene		0.35	mg/L		0.001	SW846-8021 M
Trichloroethene	Y	0.23	mg/L		0.005	SW846-8260
Vinyl chloride		0.0033	mg/L		0.001	SW846-8021 M

004-037

ERI99-W3C-4

## Contingency WAG 3 - SWMU 4

004037WA040C

Collected: 8/10/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum		94.3	mg/L		0.2	SW846-6010A
Barium		0.316	mg/L		0.05	SW846-6010A
Beryllium	BU	0.005	mg/L		0.005	SW846-6010A
Cadmium	U	0.01	mg/L		0.01	SW846-6010A
Calcium		75.8	mg/L		0.5	SW846-6010A
Chromium		0.19	mg/L		0.05	SW846-6010A
Cobalt		0.036	mg/L		0.01	SW846-6010A
Copper	U	0.05	mg/L		0.05	SW846-6010A
Iron		63.4	mg/L		0.2	SW846-6010A
Magnesium		33.2	mg/L		0.05	SW846-6010A
Manganese		1.2	mg/L		0.05	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel		0.083	mg/L		0.05	SW846-6010A
Potassium		4.35	mg/L		2	SW846-6010A
Selenium	U	0.005	mg/L		0.005	SW846-7740
Silver	BU	0.05	mg/L		0.05	SW846-6010A
Sodium		71.5	mg/L		2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Vanadium		0.125	mg/L		0.1	SW846-6010A
Zinc	B	0.239	mg/L		0.2	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		650	mg/L		100	EPA-160.2
<b>PCCB</b>						
PCB-1221	U	0.111	mg/L		0.111	SW846-8082 M
PCB-1232	U	0.111	mg/L		0.111	SW846-8082 M
<b>RADS</b>						
Alpha activity	U	3.1	pCi/L	2.9	4.7	SW846-9310
Americium-241	A	-4.4	pCi/L	8.81	79.4	RL-7124
Beta activity		43.8	pCi/L	2.8	2.3	SW846-9310
Neptunium-237	A	-27.2	pCi/L	54.4	44.7	RL-7124
Plutonium-239/240	A	-0.219	pCi/L	0.163	1.21	RL-7120
Technetium-99		81	pCi/L	9.7	12	DNT
Thorium-234	A	13.6	pCi/L	27.2	552	RL-7124
<b>SVOA</b>						
1,2,4-Trichlorobenzene	U	0.02	mg/L		0.02	SW846-8270 M
1,2-Dichlorobenzene	U	0.02	mg/L		0.02	SW846-8270 M
1,3-Dichlorobenzene	U	0.02	mg/L		0.02	SW846-8270 M
1,4-Dichlorobenzene	U	0.02	mg/L		0.02	SW846-8270 M
2,4,5-Trichlorophenol	U	0.02	mg/L		0.02	SW846-8270 M
2,4,6-Trichlorophenol	U	0.02	mg/L		0.02	SW846-8270 M
2,4-Dichlorophenol	U	0.02	mg/L		0.02	SW846-8270 M
2,4-Dimethylphenol	U	0.02	mg/L		0.02	SW846-8270 M
2,4-Dinitrotoluene	U	0.02	mg/L		0.02	SW846-8270 M
2,6-Dinitrotoluene	U	0.02	mg/L		0.02	SW846-8270 M
2-Chloronaphthalene	U	0.02	mg/L		0.02	SW846-8270 M
2-Chlorophenol	U	0.02	mg/L		0.02	SW846-8270 M
2-Methyl-4,6-dinitrophenol	U	0.02	mg/L		0.02	SW846-8270 M
2-Methylnaphthalene	U	0.02	mg/L		0.02	SW846-8270 M
2-Methylphenol	U	0.02	mg/L		0.02	SW846-8270 M

## 004-037

## ERI99-W3C-4

## Contingency WAG 3 - SWMU 4

2-Nitrobenzenamine	U	0.02	mg/L	0.02	SW846-8270 M
2-Nitrophenol	U	0.02	mg/L	0.02	SW846-8270 M
3,3'-Dichlorobenzidine	U	0.02	mg/L	0.02	SW846-8270 M
3-Nitrobenzenamine	U	0.02	mg/L	0.02	SW846-8270 M
4-Bromophenyl phenyl ether	U	0.02	mg/L	0.02	SW846-8270 M
4-Chloro-3-methylphenol	U	0.02	mg/L	0.02	SW846-8270 M
4-Chlorobenzenamine	U	0.02	mg/L	0.02	SW846-8270 M
4-Chlorophenyl phenyl ether	U	0.02	mg/L	0.02	SW846-8270 M
4-Methylphenol	U	0.02	mg/L	0.02	SW846-8270 M
4-Nitrobenzenamine	U	0.02	mg/L	0.02	SW846-8270 M
4-Nitrophenol	U	0.02	mg/L	0.02	SW846-8270 M
Acenaphthene	U	0.02	mg/L	0.02	SW846-8270 M
Acenaphthylene	U	0.02	mg/L	0.02	SW846-8270 M
Anthracene	U	0.02	mg/L	0.02	SW846-8270 M
Benz(a)anthracene	U	0.02	mg/L	0.02	SW846-8270 M
Benzo(a)pyrene	U	0.02	mg/L	0.02	SW846-8270 M
Benzo(b)fluoranthene	U	0.02	mg/L	0.02	SW846-8270 M
Benzo(ghi)perylene	U	0.02	mg/L	0.02	SW846-8270 M
Benzo(k)fluoranthene	U	0.02	mg/L	0.02	SW846-8270 M
Bis(2-chloroethoxy)methane	U	0.02	mg/L	0.02	SW846-8270 M
Bis(2-chloroethyl) ether	U	0.02	mg/L	0.02	SW846-8270 M
Bis(2-chloroisopropyl) ether	U	0.02	mg/L	0.02	SW846-8270 M
Bis(2-ethylhexyl)phthalate	U	0.02	mg/L	0.02	SW846-8270 M
Carbazole	U	0.02	mg/L	0.02	SW846-8270 M
Chrysene	U	0.02	mg/L	0.02	SW846-8270 M
Dibenz(a,h)anthracene	U	0.02	mg/L	0.02	SW846-8270 M
Dibenzofuran	U	0.02	mg/L	0.02	SW846-8270 M
Diethyl phthalate	U	0.02	mg/L	0.02	SW846-8270 M
Dimethyl phthalate	U	0.02	mg/L	0.02	SW846-8270 M
Di-n-butyl phthalate	U	0.02	mg/L	0.02	SW846-8270 M
Di-n-octylphthalate	U	0.02	mg/L	0.02	SW846-8270 M
Fluoranthene	U	0.02	mg/L	0.02	SW846-8270 M
Fluorene	U	0.02	mg/L	0.02	SW846-8270 M
Hexachlorobenzene	U	0.02	mg/L	0.02	SW846-8270 M
Hexachlorobutadiene	U	0.02	mg/L	0.02	SW846-8270 M
Hexachlorocyclopentadiene	U	0.02	mg/L	0.02	SW846-8270 M
Hexachloroethane	U	0.02	mg/L	0.02	SW846-8270 M
Indeno(1,2,3-cd)pyrene	U	0.02	mg/L	0.02	SW846-8270 M
Isophorone	U	0.02	mg/L	0.02	SW846-8270 M
Naphthalene	U	0.02	mg/L	0.02	SW846-8270 M
Nitrobenzene	U	0.02	mg/L	0.02	SW846-8270 M
N-Nitroso-di-n-propylamine	U	0.02	mg/L	0.02	SW846-8270 M
N-Nitrosodiphenylamine	U	0.02	mg/L	0.02	SW846-8270 M
Pentachlorophenol	U	0.02	mg/L	0.02	SW846-8270 M
Phenanthrene	U	0.02	mg/L	0.02	SW846-8270 M
Phenol	U	0.02	mg/L	0.02	SW846-8270 M
Pyrene	U	0.02	mg/L	0.02	SW846-8270 M
<b>VOA</b>					
1,1-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
cis-1,2-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
trans-1,2-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
Trichloroethene	J	0.0006	mg/L	0.001	SW846-8021 M
Vinyl chloride	U	0.001	mg/L	0.001	SW846-8021 M
<b>WETCHEM</b>					
Cyanide	NU	0.02	mg/L	0.02	SW846-9014

004-037

ERI99-W3C-4

Contingency WAG 3 - SWMU 4

Suspended Solids

2154 mg/L

10 EPA-160.1

004037WA040C-45

Collected: 8/10/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium		0.061	mg/L		0.05	SW846-6010A
Calcium		68.5	mg/L		0.5	SW846-6010A
Chromium	U	0.05	mg/L		0.05	SW846-6010A
Cobalt		0.019	mg/L		0.01	SW846-6010A
Iron		1.74	mg/L		0.2	SW846-6010A
Magnesium		29.5	mg/L		0.05	SW846-6010A
Manganese		0.819	mg/L		0.05	SW846-6010A
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Potassium	NU	2	mg/L		2	SW846-6010A
Sodium	N	75.5	mg/L		2	SW846-6010A
Vanadium	U	0.1	mg/L		0.1	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A

004037WA040C-5

Collected: 8/10/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	NU	0.2	mg/L		0.2	SW846-6010A
Barium		0.056	mg/L		0.05	SW846-6010A
Calcium		67.3	mg/L		0.5	SW846-6010A
Chromium	U	0.05	mg/L		0.05	SW846-6010A
Cobalt		0.017	mg/L		0.01	SW846-6010A
Iron	BN	1.86	mg/L		0.2	SW846-6010A
Magnesium		29.8	mg/L		0.05	SW846-6010A
Manganese		0.653	mg/L		0.05	SW846-6010A
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Potassium	NU	2	mg/L		2	SW846-6010A
Sodium	N	74.5	mg/L		2	SW846-6010A
Vanadium	U	0.1	mg/L		0.1	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A

004-037

ERI99-W3C-4

Contingency WAG 3 - SWMU 4

004037WD040C

Collected: 8/10/1999

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum		66.1	mg/L		0.2	SW846-6010A
Barium		0.222	mg/L		0.05	SW846-6010A
Beryllium	BU	0.005	mg/L		0.005	SW846-6010A
Cadmium	U	0.01	mg/L		0.01	SW846-6010A
Calcium		69.5	mg/L		0.5	SW846-6010A
Chromium		0.126	mg/L		0.05	SW846-6010A
Cobalt		0.022	mg/L		0.01	SW846-6010A
Copper	BU	0.05	mg/L		0.05	SW846-6010A
Iron		43.4	mg/L		0.2	SW846-6010A
Magnesium		32.2	mg/L		0.05	SW846-6010A
Manganese		0.768	mg/L		0.05	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel		0.058	mg/L		0.05	SW846-6010A
Potassium		3.49	mg/L		2	SW846-6010A
Selenium	U	0.005	mg/L		0.005	SW846-7740
Silver	BU	0.05	mg/L		0.05	SW846-6010A
Sodium		73.6	mg/L		2	SW846-6010A
Thallium	EU	0.2	mg/L		0.2	SW846-6010A
Vanadium	U	0.1	mg/L		0.1	SW846-6010A
Zinc	BU	0.2	mg/L		0.2	SW846-6010A
<b>RADS</b>						
Alpha activity		9	pCi/L	3.7	5.3	SW846-9310
Americium-241	A	-5.01	pCi/L	10	78	RL-7124
Beta activity		84.4	pCi/L	3.6	2.7	SW846-9310
Neptunium-237	A	14.1	pCi/L	28.1	52	RL-7124
Plutonium-239/240	A	-0.159	pCi/L	0.213	1.16	RL-7120
Technetium-99		194	pCi/L	12	12	DNT
Thorium-234	A	-142	pCi/L	284	493	RL-7124
<b>VOA</b>						
1,1-Dichloroethene	U	0.001	mg/L		0.001	SW846-8021 M
cis-1,2-Dichloroethene	U	0.001	mg/L		0.001	SW846-8021 M
trans-1,2-Dichloroethene	U	0.001	mg/L		0.001	SW846-8021 M
Trichloroethene	J	0.0011	mg/L		0.001	SW846-8021 M
Vinyl chloride	U	0.001	mg/L		0.001	SW846-8021 M

004-038

ERI99-W3C-4

## Contingency WAG 3 - SWMU 4

004038WA040C

Collected: 8/23/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>RADS</b>						
Alpha activity		42	pCi/L	11	12	SW846-9310
Beta activity		23.6	pCi/L	6.4	9.5	SW846-9310
Technetium-99		23.6	pCi/L	9.2	14	DNT
<b>SVOA</b>						
1,2,4-Trichlorobenzene	U	0.02	mg/L		0.02	SW846-8270 M
1,2-Dichlorobenzene	U	0.02	mg/L		0.02	SW846-8270 M
1,3-Dichlorobenzene	U	0.02	mg/L		0.02	SW846-8270 M
1,4-Dichlorobenzene	U	0.02	mg/L		0.02	SW846-8270 M
2,4,5-Trichlorophenol	U	0.02	mg/L		0.02	SW846-8270 M
2,4,6-Trichlorophenol	U	0.02	mg/L		0.02	SW846-8270 M
2,4-Dichlorophenol	U	0.02	mg/L		0.02	SW846-8270 M
2,4-Dimethylphenol	U	0.02	mg/L		0.02	SW846-8270 M
2,4-Dinitrotoluene	U	0.02	mg/L		0.02	SW846-8270 M
2,6-Dinitrotoluene	U	0.02	mg/L		0.02	SW846-8270 M
2-Chloronaphthalene	U	0.02	mg/L		0.02	SW846-8270 M
2-Chlorophenol	U	0.02	mg/L		0.02	SW846-8270 M
2-Methyl-4,6-dinitrophenol	U	0.02	mg/L		0.02	SW846-8270 M
2-Methylnaphthalene	U	0.02	mg/L		0.02	SW846-8270 M
2-Methylphenol	U	0.02	mg/L		0.02	SW846-8270 M
2-Nitrobenzenamine	U	0.02	mg/L		0.02	SW846-8270 M
2-Nitrophenol	U	0.02	mg/L		0.02	SW846-8270 M
3,3'-Dichlorobenzidine	U	0.02	mg/L		0.02	SW846-8270 M
3-Nitrobenzenamine	U	0.02	mg/L		0.02	SW846-8270 M
4-Bromophenyl phenyl ether	U	0.02	mg/L		0.02	SW846-8270 M
4-Chloro-3-methylphenol	U	0.02	mg/L		0.02	SW846-8270 M
4-Chlorobenzenamine	U	0.02	mg/L		0.02	SW846-8270 M
4-Chlorophenyl phenyl ether	U	0.02	mg/L		0.02	SW846-8270 M
4-Methylphenol	U	0.02	mg/L		0.02	SW846-8270 M
4-Nitrobenzenamine	U	0.02	mg/L		0.02	SW846-8270 M
4-Nitrophenol	U	0.02	mg/L		0.02	SW846-8270 M
Acenaphthene	U	0.02	mg/L		0.02	SW846-8270 M
Acenaphthylene	U	0.02	mg/L		0.02	SW846-8270 M
Anthracene	U	0.02	mg/L		0.02	SW846-8270 M
Benz(a)anthracene	U	0.02	mg/L		0.02	SW846-8270 M
Benzo(a)pyrene	U	0.02	mg/L		0.02	SW846-8270 M
Benzo(b)fluoranthene	U	0.02	mg/L		0.02	SW846-8270 M
Benzo(ghi)perylene	U	0.02	mg/L		0.02	SW846-8270 M
Benzo(k)fluoranthene	U	0.02	mg/L		0.02	SW846-8270 M
Bis(2-chloroethoxy)methane	U	0.02	mg/L		0.02	SW846-8270 M
Bis(2-chloroethyl) ether	U	0.02	mg/L		0.02	SW846-8270 M
Bis(2-chloroisopropyl) ether	U	0.02	mg/L		0.02	SW846-8270 M
Bis(2-ethylhexyl)phthalate	U	0.02	mg/L		0.02	SW846-8270 M
Carbazole	U	0.02	mg/L		0.02	SW846-8270 M
Chrysene	U	0.02	mg/L		0.02	SW846-8270 M
Dibenz(a,h)anthracene	U	0.02	mg/L		0.02	SW846-8270 M
Dibenzofuran	U	0.02	mg/L		0.02	SW846-8270 M
Diethyl phthalate	U	0.02	mg/L		0.02	SW846-8270 M
Dimethyl phthalate	U	0.02	mg/L		0.02	SW846-8270 M
Di-n-butyl phthalate	U	0.02	mg/L		0.02	SW846-8270 M

004-038

ERI99-W3C-4

Contingency WAG 3 - SWMU 4

Di-n-octylphthalate	U	0.02	mg/L	0.02	SW846-8270 M
Fluoranthene	U	0.02	mg/L	0.02	SW846-8270 M
Fluorene	U	0.02	mg/L	0.02	SW846-8270 M
Hexachlorobenzene	U	0.02	mg/L	0.02	SW846-8270 M
Hexachlorobutadiene	U	0.02	mg/L	0.02	SW846-8270 M
Hexachlorocyclopentadiene	U	0.02	mg/L	0.02	SW846-8270 M
Hexachloroethane	U	0.02	mg/L	0.02	SW846-8270 M
Indeno(1,2,3-cd)pyrene	U	0.02	mg/L	0.02	SW846-8270 M
Isophorone	U	0.02	mg/L	0.02	SW846-8270 M
Naphthalene	U	0.02	mg/L	0.02	SW846-8270 M
Nitrobenzene	U	0.02	mg/L	0.02	SW846-8270 M
N-Nitroso-di-n-propylamine	U	0.02	mg/L	0.02	SW846-8270 M
N-Nitrosodiphenylamine	U	0.02	mg/L	0.02	SW846-8270 M
Pentachlorophenol	U	0.02	mg/L	0.02	SW846-8270 M
Phenanthrene	U	0.02	mg/L	0.02	SW846-8270 M
Phenol	U	0.02	mg/L	0.02	SW846-8270 M
Pyrene	U	0.02	mg/L	0.02	SW846-8270 M
<b>VOA</b>					
1,1-Dichloroethene		0.0015	mg/L	0.001	SW846-8021 M
cis-1,2-Dichloroethene		0.0046	mg/L	0.001	SW846-8021 M
trans-1,2-Dichloroethene	J	0.0002	mg/L	0.001	SW846-8021 M
Trichloroethene		0.09	mg/L	0.001	SW846-8021 M
Vinyl chloride		0.0016	mg/L	0.001	SW846-8021 M
<b>WETCHEM</b>					
Cyanide	U	0.02	mg/L	0.02	SW846-9014

004038WA040C-45

Collected: 8/24/1999

Media Type: WG

Sample Type: REG

Analysis	Qualifiers*	Results	Units	Counting Error (+/-)	Detect Limit	Method
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium		0.234	mg/L		0.05	SW846-6010A
Beryllium	BU	0.005	mg/L		0.005	SW846-6010A
Cadmium	U	0.01	mg/L		0.01	SW846-6010A
Calcium	N	198	mg/L		0.5	SW846-6010A
Chromium	U	0.05	mg/L		0.05	SW846-6010A
Cobalt		0.012	mg/L		0.01	SW846-6010A
Copper	BU	0.05	mg/L		0.05	SW846-6010A
Iron	U	0.2	mg/L		0.2	SW846-6010A
Magnesium	N	64.4	mg/L		0.05	SW846-6010A
Manganese		4.47	mg/L		0.05	SW846-6010A
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Potassium	U	2	mg/L		2	SW846-6010A
Silver	BNU	0.05	mg/L		0.05	SW846-6010A
Sodium	N	247	mg/L		2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Vanadium	BU	0.1	mg/L		0.1	SW846-6010A
Zinc	JU	0.2	mg/L		0.2	SW846-6010A

004-039

ERI99-W3C-4

## Contingency WAG 3 - SWMU 4

004039WA040C

Collected: 8/23/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>RADS</b>						
Alpha activity		18.6	pCi/L	3.8	3.5	SW846-9310
Beta activity		6.7	pCi/L	1.7	2.4	SW846-9310
Technetium-99		44	pCi/L	9.9	14	DNT
<b>SVOA</b>						
1,2,4-Trichlorobenzene	U	0.02	mg/L		0.02	SW846-8270 M
1,2-Dichlorobenzene	U	0.02	mg/L		0.02	SW846-8270 M
1,3-Dichlorobenzene	U	0.02	mg/L		0.02	SW846-8270 M
1,4-Dichlorobenzene	U	0.02	mg/L		0.02	SW846-8270 M
2,4,5-Trichlorophenol	U	0.02	mg/L		0.02	SW846-8270 M
2,4,6-Trichlorophenol	U	0.02	mg/L		0.02	SW846-8270 M
2,4-Dichlorophenol	U	0.02	mg/L		0.02	SW846-8270 M
2,4-Dimethylphenol	U	0.02	mg/L		0.02	SW846-8270 M
2,4-Dinitrotoluene	U	0.02	mg/L		0.02	SW846-8270 M
2,6-Dinitrotoluene	U	0.02	mg/L		0.02	SW846-8270 M
2-Chloronaphthalene	U	0.02	mg/L		0.02	SW846-8270 M
2-Chlorophenol	U	0.02	mg/L		0.02	SW846-8270 M
2-Methyl-4,6-dinitrophenol	U	0.02	mg/L		0.02	SW846-8270 M
2-Methylnaphthalene	U	0.02	mg/L		0.02	SW846-8270 M
2-Methylphenol	U	0.02	mg/L		0.02	SW846-8270 M
2-Nitrobenzenamine	U	0.02	mg/L		0.02	SW846-8270 M
2-Nitrophenol	U	0.02	mg/L		0.02	SW846-8270 M
3,3'-Dichlorobenzidine	U	0.02	mg/L		0.02	SW846-8270 M
3-Nitrobenzenamine	U	0.02	mg/L		0.02	SW846-8270 M
4-Bromophenyl phenyl ether	U	0.02	mg/L		0.02	SW846-8270 M
4-Chloro-3-methylphenol	U	0.02	mg/L		0.02	SW846-8270 M
4-Chlorobenzenamine	U	0.02	mg/L		0.02	SW846-8270 M
4-Chlorophenyl phenyl ether	U	0.02	mg/L		0.02	SW846-8270 M
4-Methylphenol	U	0.02	mg/L		0.02	SW846-8270 M
4-Nitrobenzenamine	U	0.02	mg/L		0.02	SW846-8270 M
4-Nitrophenol	U	0.02	mg/L		0.02	SW846-8270 M
Acenaphthene	U	0.02	mg/L		0.02	SW846-8270 M
Acenaphthylene	U	0.02	mg/L		0.02	SW846-8270 M
Anthracene	U	0.02	mg/L		0.02	SW846-8270 M
Benz(a)anthracene	U	0.02	mg/L		0.02	SW846-8270 M
Benzo(a)pyrene	U	0.02	mg/L		0.02	SW846-8270 M
Benzo(b)fluoranthene	U	0.02	mg/L		0.02	SW846-8270 M
Benzo(ghi)perylene	U	0.02	mg/L		0.02	SW846-8270 M
Benzo(k)fluoranthene	U	0.02	mg/L		0.02	SW846-8270 M
Bis(2-chloroethoxy)methane	U	0.02	mg/L		0.02	SW846-8270 M
Bis(2-chloroethyl) ether	U	0.02	mg/L		0.02	SW846-8270 M
Bis(2-chloroisopropyl) ether	U	0.02	mg/L		0.02	SW846-8270 M
Bis(2-ethylhexyl)phthalate	U	0.02	mg/L		0.02	SW846-8270 M
Carbazole	U	0.02	mg/L		0.02	SW846-8270 M
Chrysene	U	0.02	mg/L		0.02	SW846-8270 M
Dibenz(a,h)anthracene	U	0.02	mg/L		0.02	SW846-8270 M
Dibenzofuran	U	0.02	mg/L		0.02	SW846-8270 M
Diethyl phthalate	U	0.02	mg/L		0.02	SW846-8270 M
Dimethyl phthalate	U	0.02	mg/L		0.02	SW846-8270 M
Di-n-butyl phthalate	U	0.02	mg/L		0.02	SW846-8270 M



## 004-039

## ERI99-W3C-4

## Contingency WAG 3 - SWMU 4

Di-n-octylphthalate	U	0.02	mg/L	0.02	SW846-8270 M
Fluoranthene	U	0.02	mg/L	0.02	SW846-8270 M
Fluorene	U	0.02	mg/L	0.02	SW846-8270 M
Hexachlorobenzene	U	0.02	mg/L	0.02	SW846-8270 M
Hexachlorobutadiene	U	0.02	mg/L	0.02	SW846-8270 M
Hexachlorocyclopentadiene	U	0.02	mg/L	0.02	SW846-8270 M
Hexachloroethane	U	0.02	mg/L	0.02	SW846-8270 M
Indeno(1,2,3-cd)pyrene	U	0.02	mg/L	0.02	SW846-8270 M
Isophorone	U	0.02	mg/L	0.02	SW846-8270 M
Naphthalene	U	0.02	mg/L	0.02	SW846-8270 M
Nitrobenzene	U	0.02	mg/L	0.02	SW846-8270 M
N-Nitroso-di-n-propylamine	U	0.02	mg/L	0.02	SW846-8270 M
N-Nitrosodiphenylamine	U	0.02	mg/L	0.02	SW846-8270 M
Pentachlorophenol	U	0.02	mg/L	0.02	SW846-8270 M
Phenanthrene	U	0.02	mg/L	0.02	SW846-8270 M
Phenol	U	0.02	mg/L	0.02	SW846-8270 M
Pyrene	U	0.02	mg/L	0.02	SW846-8270 M
<b>VOA</b>					
1,1-Dichloroethene	J	0.0009	mg/L	0.001	SW846-8021 M
cis-1,2-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
trans-1,2-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
Trichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
Vinyl chloride	J	0.0002	mg/L	0.001	SW846-8021 M

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004-040

ERI99-W3C-4

Contingency WAG 3 - SWMU 4

004040WA030C

Collected: 8/24/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>PPCB</b>						
PCB-1221	U	0.1	mg/L		0.1	SW846-8082 M
PCB-1232	U	0.1	mg/L		0.1	SW846-8082 M
<b>RADS</b>						
Alpha activity		39	pCi/L	9.2	8.9	SW846-9310
Americium-241	A	-24.2	pCi/L	48.4	68.6	RL-7124
Beta activity		13.2	pCi/L	4.8	7.5	SW846-9310
Neptunium-237	A	-0.651	pCi/L	1.3	45.4	RL-7124
Plutonium-239/240	A	0.161	pCi/L	0.33	1.12	RL-7120
Technetium-99		23	pCi/L	9.6	15	DNT
Thorium-234	A	-249	pCi/L	498	467	RL-7124
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.05	mg/L		0.05	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.05	mg/L		0.05	SW846-8260
1,1-Dichloroethane	U	0.05	mg/L		0.05	SW846-8260
1,1-Dichloroethene		0.002	mg/L		0.001	SW846-8021 M
1,2-Dichloropropane	U	0.05	mg/L		0.05	SW846-8260
1,2-Dimethylbenzene	U	0.05	mg/L		0.05	SW846-8260
2-Butanone	U	0.1	mg/L		0.1	SW846-8260
2-Hexanone	U	0.1	mg/L		0.1	SW846-8260
4-Methyl-2-pentanone	JU	0.1	mg/L		0.1	SW846-8260
Acetone		0.11	mg/L		0.1	SW846-8260
Bromodichloromethane	U	0.05	mg/L		0.05	SW846-8260
Bromoform	U	0.05	mg/L		0.05	SW846-8260
Carbon disulfide	U	0.05	mg/L		0.05	SW846-8260
Chlorobenzene	U	0.05	mg/L		0.05	SW846-8260
Chloroethane	U	0.05	mg/L		0.05	SW846-8260
Chloromethane	U	0.05	mg/L		0.05	SW846-8260
cis-1,2-Dichloroethene		0.19	mg/L		0.05	SW846-8260
cis-1,2-Dichloroethene		0.17	mg/L		0.001	SW846-8021 M
cis-1,3-Dichloropropene	U	0.05	mg/L		0.05	SW846-8260
Dibromochloromethane	U	0.05	mg/L		0.05	SW846-8260
Ethylbenzene	U	0.05	mg/L		0.05	SW846-8260
m,p-Xylene	U	0.1	mg/L		0.1	SW846-8260
Methylene chloride	JU	0.1	mg/L		0.1	SW846-8260
Styrene	U	0.05	mg/L		0.05	SW846-8260
Tetrachloroethene	U	0.05	mg/L		0.05	SW846-8260
Toluene	U	0.05	mg/L		0.05	SW846-8260
trans-1,2-Dichloroethene		0.001	mg/L		0.001	SW846-8021 M
trans-1,2-Dichloroethene	U	0.05	mg/L		0.05	SW846-8260
trans-1,3-Dichloropropene	U	0.05	mg/L		0.05	SW846-8260
Trichloroethene		0.7	mg/L		0.01	SW846-8260
Trichloroethene		0.73	mg/L		0.001	SW846-8021 M
Vinyl chloride		0.001	mg/L		0.001	SW846-8021 M

004-044

ERI99-W3C-4

Contingency WAG 3 - SWMU 4

004044WA040C

Collected: 8/17/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>RADS</b>						
Alpha activity		8.4	pCi/L	3.1	4.4	SW846-9310
Beta activity		62.8	pCi/L	3.1	2.6	SW846-9310
Technetium-99		120	pCi/L	12	16	DNT
<b>VOA</b>						
1,1-Dichloroethene	U	0.001	mg/L		0.001	SW846-8021 M
cis-1,2-Dichloroethene	U	0.001	mg/L		0.001	SW846-8021 M
trans-1,2-Dichloroethene	U	0.001	mg/L		0.001	SW846-8021 M
Trichloroethene		0.002	mg/L		0.001	SW846-8021 M
Vinyl chloride	U	0.001	mg/L		0.001	SW846-8021 M

004-047

ERI99-W3C-4

Contingency WAG 3 - SWMU 4

004047WA030C

Collected: 8/19/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>RADS</b>						
Alpha activity		15.6	pCi/L	8.6	12	SW846-9310
Beta activity	U	1.7	pCi/L	4.8	8.1	SW846-9310
Technetium-99	U	40	pCi/L	45	75	DNT
<b>VOA</b>						
1,1-Dichloroethene	J	0.0007	mg/L		0.001	SW846-8021 M
cis-1,2-Dichloroethene		0.1	mg/L		0.001	SW846-8021 M
trans-1,2-Dichloroethene		0.002	mg/L		0.001	SW846-8021 M
Trichloroethene		0.018	mg/L		0.001	SW846-8021 M
Vinyl chloride		0.12	mg/L		0.001	SW846-8021 M

004-049

ERI99-W3C-4

Contingency WAG 3 - SWMU 4

004049WA030C

Collected: 8/20/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>VOA</b>						
1,1-Dichloroethene		0.006	mg/L		0.001	SW846-8021 M
cis-1,2-Dichloroethene		0.12	mg/L		0.001	SW846-8021 M
trans-1,2-Dichloroethene		0.003	mg/L		0.001	SW846-8021 M
Trichloroethene		0.32	mg/L		0.001	SW846-8021 M
Vinyl chloride		0.29	mg/L		0.001	SW846-8021 M

004-058

ERI99-W3C-4

## Contingency WAG 3 - SWMU 4

004058WA065C

Collected: 9/14/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	N	67.9	mg/L		0.2	SW846-6010A
Barium		0.736	mg/L		0.05	SW846-6010A
Beryllium	B	0.006	mg/L		0.005	SW846-6010A
Cadmium	U	0.01	mg/L		0.01	SW846-6010A
Calcium	N	22.8	mg/L		0.5	SW846-6010A
Chromium		0.081	mg/L		0.05	SW846-6010A
Cobalt		0.077	mg/L		0.01	SW846-6010A
Copper	U	0.05	mg/L		0.05	SW846-6010A
Iron	N	110	mg/L		0.2	SW846-6010A
Magnesium		10.6	mg/L		0.05	SW846-6010A
Manganese	N	5.82	mg/L		0.05	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel		0.067	mg/L		0.05	SW846-6010A
Potassium		6.52	mg/L		2	SW846-6010A
Selenium	*NUW	0.005	mg/L		0.005	SW846-7740
Silver	BNU	0.05	mg/L		0.05	SW846-6010A
Sodium	N	13.4	mg/L		2	SW846-6010A
Thallium	NU	0.2	mg/L		0.2	SW846-6010A
Vanadium	U	0.1	mg/L		0.1	SW846-6010A
Zinc	B	0.391	mg/L		0.2	SW846-6010A
<b>RADS</b>						
Alpha activity	A	1.6	pCi/L	1.5	2.3	SW846-9310
Beta activity	A	1.3	pCi/L	1.5	2.5	SW846-9310
Technetium-99	A	10.3	pCi/L	8.5	14	DNT
<b>SVOA</b>						
1,2,4-Trichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,2-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,3-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,4-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
2,4,5-Trichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4,6-Trichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dimethylphenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dinitrophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dinitrotoluene	U	0.01	mg/L		0.01	SW846-8270 M
2,6-Dinitrotoluene	U	0.01	mg/L		0.01	SW846-8270 M
2-Chloronaphthalene	U	0.01	mg/L		0.01	SW846-8270 M
2-Chlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Methyl-4,6-dinitrophenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Methylnaphthalene	U	0.01	mg/L		0.01	SW846-8270 M
2-Methylphenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Nitrobenzenamine	U	0.01	mg/L		0.01	SW846-8270 M
2-Nitrophenol	U	0.01	mg/L		0.01	SW846-8270 M
3,3'-Dichlorobenzidine	U	0.01	mg/L		0.01	SW846-8270 M
3-Nitrobenzenamine	U	0.01	mg/L		0.01	SW846-8270 M
4-Bromophenyl phenyl ether	U	0.01	mg/L		0.01	SW846-8270 M
4-Chloro-3-methylphenol	U	0.01	mg/L		0.01	SW846-8270 M
4-Chlorobenzenamine	U	0.01	mg/L		0.01	SW846-8270 M
4-Chlorophenyl phenyl ether	U	0.01	mg/L		0.01	SW846-8270 M

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## ERI99-W3C-4

## Contingency WAG 3 - SWMU 4

4-Methylphenol	U	0.01	mg/L	0.01	SW846-8270 M
4-Nitrobenzenamine	U	0.01	mg/L	0.01	SW846-8270 M
4-Nitrophenol	U	0.01	mg/L	0.01	SW846-8270 M
Acenaphthene	U	0.01	mg/L	0.01	SW846-8270 M
Acenaphthylene	U	0.01	mg/L	0.01	SW846-8270 M
Anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Benz(a)anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(a)pyrene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(b)fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(ghi)perylene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(k)fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroethoxy)methane	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroethyl) ether	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroisopropyl) ether	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-ethylhexyl)phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Butyl benzyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Carbazole	U	0.01	mg/L	0.01	SW846-8270 M
Chrysene	U	0.01	mg/L	0.01	SW846-8270 M
Dibenz(a,h)anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Dibenzofuran	U	0.01	mg/L	0.01	SW846-8270 M
Diethyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Dimethyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Di-n-butyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Di-n-octylphthalate	U	0.01	mg/L	0.01	SW846-8270 M
Fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Fluorene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorobenzene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorobutadiene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorocyclopentadiene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachloroethane	U	0.01	mg/L	0.01	SW846-8270 M
Indeno(1,2,3-cd)pyrene	U	0.01	mg/L	0.01	SW846-8270 M
Isophorone	U	0.01	mg/L	0.01	SW846-8270 M
Naphthalene	U	0.01	mg/L	0.01	SW846-8270 M
Nitrobenzene	U	0.01	mg/L	0.01	SW846-8270 M
N-Nitroso-di-n-propylamine	U	0.01	mg/L	0.01	SW846-8270 M
N-Nitrosodiphenylamine	U	0.01	mg/L	0.01	SW846-8270 M
Pentachlorophenol	U	0.01	mg/L	0.01	SW846-8270 M
Phenanthrene	U	0.01	mg/L	0.01	SW846-8270 M
Phenol	U	0.01	mg/L	0.01	SW846-8270 M
Pyrene	U	0.01	mg/L	0.01	SW846-8270 M
<b>VOA</b>					
1,1-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
cis-1,2-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
trans-1,2-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
Trichloroethene		0.001	mg/L	0.001	SW846-8021 M
Vinyl chloride	U	0.001	mg/L	0.001	SW846-8021 M
<b>WETCHEM</b>					
Cyanide	U	0.02	mg/L	0.02	SW846-9014

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ERI99-W3C-4

Contingency WAG 3 - SWMU 4

004058WA065C-45

Collected: 9/14/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium		0.148	mg/L		0.05	SW846-6010A
Beryllium	BU	0.005	mg/L		0.005	SW846-6010A
Calcium	N	17.6	mg/L		0.5	SW846-6010A
Chromium	BU	0.05	mg/L		0.05	SW846-6010A
Cobalt		0.024	mg/L		0.01	SW846-6010A
Iron	B	0.574	mg/L		0.2	SW846-6010A
Magnesium		5.68	mg/L		0.05	SW846-6010A
Manganese		2.72	mg/L		0.05	SW846-6010A
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Potassium	U	2	mg/L		2	SW846-6010A
Sodium	J	15.1	mg/L		2	SW846-6010A
Vanadium	U	0.1	mg/L		0.1	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A

004058WA065C-5

Collected: 9/14/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum		8.09	mg/L		0.2	SW846-6010A
Barium		0.146	mg/L		0.05	SW846-6010A
Beryllium	BU	0.005	mg/L		0.005	SW846-6010A
Calcium	N	16.7	mg/L		0.5	SW846-6010A
Chromium	BU	0.05	mg/L		0.05	SW846-6010A
Cobalt		0.017	mg/L		0.01	SW846-6010A
Iron	B	5.43	mg/L		0.2	SW846-6010A
Magnesium		5.83	mg/L		0.05	SW846-6010A
Manganese		1.83	mg/L		0.05	SW846-6010A
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Potassium	U	2	mg/L		2	SW846-6010A
Sodium		14.8	mg/L		2	SW846-6010A
Vanadium	U	0.1	mg/L		0.1	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A



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ERI99-W3C-4

## Contingency WAG 3 - SWMU 4

004058WA070C

Collected: 9/14/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	N	21.9	mg/L		0.2	SW846-6010A
Barium		0.284	mg/L		0.05	SW846-6010A
Beryllium	BU	0.005	mg/L		0.005	SW846-6010A
Cadmium	U	0.01	mg/L		0.01	SW846-6010A
Calcium	N	17.4	mg/L		0.5	SW846-6010A
Chromium	BU	0.05	mg/L		0.05	SW846-6010A
Cobalt		0.04	mg/L		0.01	SW846-6010A
Copper	U	0.05	mg/L		0.05	SW846-6010A
Iron	N	50.4	mg/L		0.2	SW846-6010A
Magnesium		7.36	mg/L		0.05	SW846-6010A
Manganese	N	2.59	mg/L		0.05	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Potassium		2.61	mg/L		2	SW846-6010A
Selenium	*NUW	0.005	mg/L		0.005	SW846-7740
Silver	BNU	0.05	mg/L		0.05	SW846-6010A
Sodium	N	13.1	mg/L		2	SW846-6010A
Thallium	NU	0.2	mg/L		0.2	SW846-6010A
Vanadium	U	0.1	mg/L		0.1	SW846-6010A
Zinc	BU	0.2	mg/L		0.2	SW846-6010A
<b>RADS</b>						
Alpha activity	A	0.6	pCi/L	1.1	1.9	SW846-9310
Beta activity	A	1.1	pCi/L	1.4	2.3	SW846-9310
Technetium-99	A	9.1	pCi/L	8.4	14	DNT
<b>SVOA</b>						
1,2,4-Trichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,2-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,3-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,4-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
2,4,5-Trichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4,6-Trichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dimethylphenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dinitrotoluene	U	0.01	mg/L		0.01	SW846-8270 M
2,6-Dinitrotoluene	U	0.01	mg/L		0.01	SW846-8270 M
2-Chloronaphthalene	U	0.01	mg/L		0.01	SW846-8270 M
2-Chlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Methyl-4,6-dinitrophenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Methylnaphthalene	U	0.01	mg/L		0.01	SW846-8270 M
2-Methylphenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Nitrobenzenamine	U	0.01	mg/L		0.01	SW846-8270 M
2-Nitrophenol	U	0.01	mg/L		0.01	SW846-8270 M
3,3'-Dichlorobenzidine	U	0.01	mg/L		0.01	SW846-8270 M
3-Nitrobenzenamine	U	0.01	mg/L		0.01	SW846-8270 M
4-Bromophenyl phenyl ether	U	0.01	mg/L		0.01	SW846-8270 M
4-Chloro-3-methylphenol	U	0.01	mg/L		0.01	SW846-8270 M
4-Chlorobenzenamine	U	0.01	mg/L		0.01	SW846-8270 M
4-Chlorophenyl phenyl ether	U	0.01	mg/L		0.01	SW846-8270 M
4-Methylphenol	U	0.01	mg/L		0.01	SW846-8270 M

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## ERI99-W3C-4

## Contingency WAG 3 - SWMU 4

4-Nitrobenzenamine	U	0.01	mg/L	0.01	SW846-8270 M
4-Nitrophenol	U	0.01	mg/L	0.01	SW846-8270 M
Acenaphthene	U	0.01	mg/L	0.01	SW846-8270 M
Acenaphthylene	U	0.01	mg/L	0.01	SW846-8270 M
Anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Benz(a)anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(a)pyrene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(b)fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(ghi)perylene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(k)fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroethoxy)methane	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroethyl) ether	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroisopropyl) ether	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-ethylhexyl)phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Carbazole	U	0.01	mg/L	0.01	SW846-8270 M
Chrysene	U	0.01	mg/L	0.01	SW846-8270 M
Dibenz(a,h)anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Dibenzofuran	U	0.01	mg/L	0.01	SW846-8270 M
Diethyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Dimethyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Di-n-butyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Di-n-octylphthalate	U	0.01	mg/L	0.01	SW846-8270 M
Fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Fluorene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorobenzene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorobutadiene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorocyclopentadiene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachloroethane	U	0.01	mg/L	0.01	SW846-8270 M
Indeno(1,2,3-cd)pyrene	U	0.01	mg/L	0.01	SW846-8270 M
Isophorone	U	0.01	mg/L	0.01	SW846-8270 M
Naphthalene	U	0.01	mg/L	0.01	SW846-8270 M
Nitrobenzene	U	0.01	mg/L	0.01	SW846-8270 M
N-Nitroso-di-n-propylamine	U	0.01	mg/L	0.01	SW846-8270 M
N-Nitrosodiphenylamine	U	0.01	mg/L	0.01	SW846-8270 M
Pentachlorophenol	U	0.01	mg/L	0.01	SW846-8270 M
Phenanthrene	U	0.01	mg/L	0.01	SW846-8270 M
Phenol	U	0.01	mg/L	0.01	SW846-8270 M
Pyrene	U	0.01	mg/L	0.01	SW846-8270 M
<b>VOA</b>					
1,1-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
cis-1,2-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
trans-1,2-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
Trichloroethene		0.006	mg/L	0.001	SW846-8021 M
Vinyl chloride	U	0.001	mg/L	0.001	SW846-8021 M
<b>WETCHEM</b>					
Cyanide	U	0.02	mg/L	0.02	SW846-9014

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ERI99-W3C-4

Contingency WAG 3 - SWMU 4

004058WA070C-45

Collected: 9/14/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium		0.072	mg/L		0.05	SW846-6010A
Calcium	JN	15.8	mg/L		0.5	SW846-6010A
Cobalt	U	0.01	mg/L		0.01	SW846-6010A
Iron	B	0.315	mg/L		0.2	SW846-6010A
Magnesium		6.04	mg/L		0.05	SW846-6010A
Manganese		0.632	mg/L		0.05	SW846-6010A
Potassium	U	2	mg/L		2	SW846-6010A
Sodium	J	13.5	mg/L		2	SW846-6010A

004058WA070C-5

Collected: 9/14/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum		1.55	mg/L		0.2	SW846-6010A
Barium		0.065	mg/L		0.05	SW846-6010A
Calcium	N	15.3	mg/L		0.5	SW846-6010A
Cobalt	U	0.01	mg/L		0.01	SW846-6010A
Iron	B	1.02	mg/L		0.2	SW846-6010A
Magnesium		6.06	mg/L		0.05	SW846-6010A
Manganese		0.549	mg/L		0.05	SW846-6010A
Potassium	U	2	mg/L		2	SW846-6010A
Sodium		13.5	mg/L		2	SW846-6010A

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ERI99-W3C-4

Contingency WAG 3 - SWMU 4

004058WA075C

Collected: 9/14/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	N	13.7	mg/L		0.2	SW846-6010A
Barium		0.146	mg/L		0.05	SW846-6010A
Beryllium	BU	0.005	mg/L		0.005	SW846-6010A
Cadmium	U	0.01	mg/L		0.01	SW846-6010A
Calcium	N	20.3	mg/L		0.5	SW846-6010A
Chromium	BU	0.05	mg/L		0.05	SW846-6010A
Cobalt		0.029	mg/L		0.01	SW846-6010A
Copper	U	0.05	mg/L		0.05	SW846-6010A
Iron	N	26.7	mg/L		0.2	SW846-6010A
Magnesium		8.38	mg/L		0.05	SW846-6010A
Manganese	N	1.1	mg/L		0.05	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Potassium		2.06	mg/L		2	SW846-6010A
Selenium	*NUW	0.005	mg/L		0.005	SW846-7740
Silver	BNU	0.05	mg/L		0.05	SW846-6010A
Sodium	N	14.6	mg/L		2	SW846-6010A
Thallium	NU	0.2	mg/L		0.2	SW846-6010A
Vanadium	U	0.1	mg/L		0.1	SW846-6010A
Zinc	BU	0.2	mg/L		0.2	SW846-6010A
<b>RADS</b>						
Alpha activity		1.8	pCi/L	1.1	1.6	SW846-9310
Beta activity		4.1	pCi/L	1.7	2.6	SW846-9310
Technetium-99		18.1	pCi/L	8.7	14	DNT
<b>SVOA</b>						
1,2,4-Trichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,2-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,3-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,4-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
2,4,5-Trichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4,6-Trichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dimethylphenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dinitrotoluene	U	0.01	mg/L		0.01	SW846-8270 M
2,6-Dinitrotoluene	U	0.01	mg/L		0.01	SW846-8270 M
2-Chloronaphthalene	U	0.01	mg/L		0.01	SW846-8270 M
2-Chlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Methyl-4,6-dinitrophenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Methylnaphthalene	U	0.01	mg/L		0.01	SW846-8270 M
2-Methylphenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Nitrobenzenamine	U	0.01	mg/L		0.01	SW846-8270 M
2-Nitrophenol	U	0.01	mg/L		0.01	SW846-8270 M
3,3'-Dichlorobenzidine	U	0.01	mg/L		0.01	SW846-8270 M
3-Nitrobenzenamine	U	0.01	mg/L		0.01	SW846-8270 M
4-Bromophenyl phenyl ether	U	0.01	mg/L		0.01	SW846-8270 M
4-Chloro-3-methylphenol	U	0.01	mg/L		0.01	SW846-8270 M
4-Chlorobenzenamine	U	0.01	mg/L		0.01	SW846-8270 M
4-Chlorophenyl phenyl ether	U	0.01	mg/L		0.01	SW846-8270 M
4-Methylphenol	U	0.01	mg/L		0.01	SW846-8270 M

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## ERI99-W3C-4

## Contingency WAG 3 - SWMU 4

4-Nitrobenzenamine	U	0.01	mg/L	0.01	SW846-8270 M
4-Nitrophenol	U	0.01	mg/L	0.01	SW846-8270 M
Acenaphthene	U	0.01	mg/L	0.01	SW846-8270 M
Acenaphthylene	U	0.01	mg/L	0.01	SW846-8270 M
Anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Benz(a)anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(a)pyrene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(b)fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(ghi)perylene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(k)fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroethoxy)methane	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroethyl) ether	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroisopropyl) ether	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-ethylhexyl)phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Carbazole	U	0.01	mg/L	0.01	SW846-8270 M
Chrysene	U	0.01	mg/L	0.01	SW846-8270 M
Dibenz(a,h)anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Dibenzofuran	U	0.01	mg/L	0.01	SW846-8270 M
Diethyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Dimethyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Di-n-butyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Di-n-octylphthalate	U	0.01	mg/L	0.01	SW846-8270 M
Fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Fluorene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorobenzene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorobutadiene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorocyclopentadiene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachloroethane	U	0.01	mg/L	0.01	SW846-8270 M
Indeno(1,2,3-cd)pyrene	U	0.01	mg/L	0.01	SW846-8270 M
Isophorone	U	0.01	mg/L	0.01	SW846-8270 M
Naphthalene	U	0.01	mg/L	0.01	SW846-8270 M
Nitrobenzene	U	0.01	mg/L	0.01	SW846-8270 M
N-Nitroso-di-n-propylamine	U	0.01	mg/L	0.01	SW846-8270 M
N-Nitrosodiphenylamine	U	0.01	mg/L	0.01	SW846-8270 M
Pentachlorophenol	U	0.01	mg/L	0.01	SW846-8270 M
Phenanthrene	U	0.01	mg/L	0.01	SW846-8270 M
Phenol	U	0.01	mg/L	0.01	SW846-8270 M
Pyrene	U	0.01	mg/L	0.01	SW846-8270 M
<b>VOA</b>					
1,1-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
cis-1,2-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
trans-1,2-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
Trichloroethene		0.018	mg/L	0.001	SW846-8021 M
Vinyl chloride	U	0.001	mg/L	0.001	SW846-8021 M
<b>WETCHEM</b>					
Cyanide	U	0.02	mg/L	0.02	SW846-9014

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ERI99-W3C-4

Contingency WAG 3 - SWMU 4

004058WA075C-45

Collected: 9/14/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium		0.078	mg/L		0.05	SW846-6010A
Calcium	JN	19.6	mg/L		0.5	SW846-6010A
Cobalt		0.013	mg/L		0.01	SW846-6010A
Iron		1.86	mg/L		0.2	SW846-6010A
Magnesium		7.63	mg/L		0.05	SW846-6010A
Manganese		0.582	mg/L		0.05	SW846-6010A
Potassium	U	2	mg/L		2	SW846-6010A
Sodium	J	14.8	mg/L		2	SW846-6010A

004058WA075C-5

Collected: 9/14/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum		0.281	mg/L		0.2	SW846-6010A
Barium		0.078	mg/L		0.05	SW846-6010A
Calcium	N	18.1	mg/L		0.5	SW846-6010A
Cobalt		0.012	mg/L		0.01	SW846-6010A
Iron	B	1.46	mg/L		0.2	SW846-6010A
Magnesium		7.22	mg/L		0.05	SW846-6010A
Manganese		0.599	mg/L		0.05	SW846-6010A
Potassium	U	2	mg/L		2	SW846-6010A
Sodium		14.4	mg/L		2	SW846-6010A

004-058

ERI99-W3C-4

## Contingency WAG 3 - SWMU 4

004058WA080C

Collected: 9/14/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	N	11.4	mg/L		0.2	SW846-6010A
Arsenic	NW	0.005	mg/L		0.005	SW846-7060
Barium		1.27	mg/L		0.05	SW846-6010A
Beryllium	BU	0.005	mg/L		0.005	SW846-6010A
Cadmium	U	0.01	mg/L		0.01	SW846-6010A
Calcium	N	22.9	mg/L		0.5	SW846-6010A
Chromium	BU	0.05	mg/L		0.05	SW846-6010A
Cobalt		0.047	mg/L		0.01	SW846-6010A
Copper	U	0.05	mg/L		0.05	SW846-6010A
Iron	N	75.5	mg/L		0.2	SW846-6010A
Magnesium		8.93	mg/L		0.05	SW846-6010A
Manganese	N	11.9	mg/L		0.05	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel		0.362	mg/L		0.05	SW846-6010A
Potassium	U	2	mg/L		2	SW846-6010A
Selenium	*NUW	0.005	mg/L		0.005	SW846-7740
Silver	BNU	0.05	mg/L		0.05	SW846-6010A
Sodium	N	14.7	mg/L		2	SW846-6010A
Thallium	NU	0.2	mg/L		0.2	SW846-6010A
Vanadium	U	0.1	mg/L		0.1	SW846-6010A
Zinc	B	0.236	mg/L		0.2	SW846-6010A
<b>RADS</b>						
Alpha activity		4.8	pCi/L	1.8	2.4	SW846-9310
Beta activity		28.7	pCi/L	2.5	2.4	SW846-9310
Technetium-99		48	pCi/L	9.9	14	DNT
<b>SVOA</b>						
1,2,4-Trichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,2-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,3-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,4-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
2,4,5-Trichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4,6-Trichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dimethylphenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dinitrotoluene	U	0.01	mg/L		0.01	SW846-8270 M
2,6-Dinitrotoluene	U	0.01	mg/L		0.01	SW846-8270 M
2-Chloronaphthalene	U	0.01	mg/L		0.01	SW846-8270 M
2-Chlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Methyl-4,6-dinitrophenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Methylnaphthalene	U	0.01	mg/L		0.01	SW846-8270 M
2-Methylphenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Nitrobenzenamine	U	0.01	mg/L		0.01	SW846-8270 M
2-Nitrophenol	U	0.01	mg/L		0.01	SW846-8270 M
3,3'-Dichlorobenzidine	U	0.01	mg/L		0.01	SW846-8270 M
3-Nitrobenzenamine	U	0.01	mg/L		0.01	SW846-8270 M
4-Bromophenyl phenyl ether	U	0.01	mg/L		0.01	SW846-8270 M
4-Chloro-3-methylphenol	U	0.01	mg/L		0.01	SW846-8270 M
4-Chlorobenzenamine	U	0.01	mg/L		0.01	SW846-8270 M
4-Chlorophenyl phenyl ether	U	0.01	mg/L		0.01	SW846-8270 M

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## ERI99-W3C-4

## Contingency WAG 3 - SWMU 4

4-Methylphenol	U	0.01	mg/L	0.01	SW846-8270 M
4-Nitrobenzenamine	U	0.01	mg/L	0.01	SW846-8270 M
4-Nitrophenol	U	0.01	mg/L	0.01	SW846-8270 M
Acenaphthene	U	0.01	mg/L	0.01	SW846-8270 M
Acenaphthylene	U	0.01	mg/L	0.01	SW846-8270 M
Anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Benz(a)anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(a)pyrene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(b)fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(ghi)perylene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(k)fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroethoxy)methane	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroethyl) ether	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroisopropyl) ether	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-ethylhexyl)phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Carbazole	U	0.01	mg/L	0.01	SW846-8270 M
Chrysene	U	0.01	mg/L	0.01	SW846-8270 M
Dibenz(a,h)anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Dibenzofuran	U	0.01	mg/L	0.01	SW846-8270 M
Diethyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Dimethyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Di-n-butyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Di-n-octylphthalate	U	0.01	mg/L	0.01	SW846-8270 M
Fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Fluorene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorobenzene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorobutadiene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorocyclopentadiene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachloroethane	U	0.01	mg/L	0.01	SW846-8270 M
Indeno(1,2,3-cd)pyrene	U	0.01	mg/L	0.01	SW846-8270 M
Isophorone	U	0.01	mg/L	0.01	SW846-8270 M
Naphthalene	U	0.01	mg/L	0.01	SW846-8270 M
Nitrobenzene	U	0.01	mg/L	0.01	SW846-8270 M
N-Nitroso-di-n-propylamine	U	0.01	mg/L	0.01	SW846-8270 M
N-Nitrosodiphenylamine	U	0.01	mg/L	0.01	SW846-8270 M
Pentachlorophenol	U	0.01	mg/L	0.01	SW846-8270 M
Phenanthrene	U	0.01	mg/L	0.01	SW846-8270 M
Phenol	U	0.01	mg/L	0.01	SW846-8270 M
Pyrene	U	0.01	mg/L	0.01	SW846-8270 M
<b>VOA</b>					
1,1-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
cis-1,2-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
trans-1,2-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
Trichloroethene		0.042	mg/L	0.001	SW846-8021 M
Vinyl chloride	U	0.001	mg/L	0.001	SW846-8021 M
<b>WETCHEM</b>					
Cyanide	U	0.02	mg/L	0.02	SW846-9014



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ERI99-W3C-4

Contingency WAG 3 - SWMU 4

004058WA080C-45

Collected: 9/14/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium		0.659	mg/L		0.05	SW846-6010A
Calcium	JN	23.4	mg/L		0.5	SW846-6010A
Cobalt		0.012	mg/L		0.01	SW846-6010A
Iron	BU	0.2	mg/L		0.2	SW846-6010A
Magnesium		9.01	mg/L		0.05	SW846-6010A
Manganese		3.33	mg/L		0.05	SW846-6010A
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Sodium	J	15.8	mg/L		2	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A

004058WA080C-5

Collected: 9/14/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium		0.619	mg/L		0.05	SW846-6010A
Calcium	N	22.2	mg/L		0.5	SW846-6010A
Cobalt		0.011	mg/L		0.01	SW846-6010A
Iron	BU	0.2	mg/L		0.2	SW846-6010A
Magnesium		8.72	mg/L		0.05	SW846-6010A
Manganese		3.28	mg/L		0.05	SW846-6010A
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Sodium		15.6	mg/L		2	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A

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ERI99-W3C-4

## Contingency WAG 3 - SWMU 4

004058WA085C

Collected: 9/14/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	N	1.88	mg/L		0.2	SW846-6010A
Barium		0.416	mg/L		0.05	SW846-6010A
Beryllium	BU	0.005	mg/L		0.005	SW846-6010A
Cadmium	U	0.01	mg/L		0.01	SW846-6010A
Calcium	N	27.7	mg/L		0.5	SW846-6010A
Chromium	BU	0.05	mg/L		0.05	SW846-6010A
Cobalt		0.011	mg/L		0.01	SW846-6010A
Copper	U	0.05	mg/L		0.05	SW846-6010A
Iron	N	47.3	mg/L		0.2	SW846-6010A
Magnesium		11	mg/L		0.05	SW846-6010A
Manganese	N	1.99	mg/L		0.05	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Potassium	U	2	mg/L		2	SW846-6010A
Selenium	*NUW	0.005	mg/L		0.005	SW846-7740
Silver	BNU	0.05	mg/L		0.05	SW846-6010A
Sodium	N	17	mg/L		2	SW846-6010A
Thallium	NU	0.2	mg/L		0.2	SW846-6010A
Vanadium	U	0.1	mg/L		0.1	SW846-6010A
Zinc	BU	0.2	mg/L		0.2	SW846-6010A
<b>RADS</b>						
Alpha activity		6.6	pCi/L	2.9	4.3	SW846-9310
Americium-241	A	13.3	pCi/L	26.6	70.4	RL-7124
Beta activity		98	pCi/L	4.1	2.9	SW846-9310
Neptunium-237	A	10.8	pCi/L	21.5	47.1	RL-7124
Plutonium-239/240	A	0.0587	pCi/L	0.306	1.16	RL-7120
Technetium-99		152	pCi/L	13	14	DNT
Thorium-234	A	-228	pCi/L	457	461	RL-7124
<b>SVOA</b>						
1,2,4-Trichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,2-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,3-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,4-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
2,4,5-Trichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4,6-Trichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dimethylphenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dinitrotoluene	U	0.01	mg/L		0.01	SW846-8270 M
2,6-Dinitrotoluene	U	0.01	mg/L		0.01	SW846-8270 M
2-Chloronaphthalene	U	0.01	mg/L		0.01	SW846-8270 M
2-Chlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Methyl-4,6-dinitrophenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Methylnaphthalene	U	0.01	mg/L		0.01	SW846-8270 M
2-Methylphenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Nitrobenzenamine	U	0.01	mg/L		0.01	SW846-8270 M
2-Nitrophenol	U	0.01	mg/L		0.01	SW846-8270 M
3,3'-Dichlorobenzidine	U	0.01	mg/L		0.01	SW846-8270 M
3-Nitrobenzenamine	U	0.01	mg/L		0.01	SW846-8270 M
4-Bromophenyl phenyl ether	U	0.01	mg/L		0.01	SW846-8270 M

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## ERI99-W3C-4

## Contingency WAG 3 - SWMU 4

4-Chloro-3-methylphenol	U	0.01	mg/L	0.01	SW846-8270 M
4-Chlorobenzeneamine	U	0.01	mg/L	0.01	SW846-8270 M
4-Chlorophenyl phenyl ether	U	0.01	mg/L	0.01	SW846-8270 M
4-Methylphenol	U	0.01	mg/L	0.01	SW846-8270 M
4-Nitrobenzeneamine	U	0.01	mg/L	0.01	SW846-8270 M
4-Nitrophenol	U	0.01	mg/L	0.01	SW846-8270 M
Acenaphthene	U	0.01	mg/L	0.01	SW846-8270 M
Acenaphthylene	U	0.01	mg/L	0.01	SW846-8270 M
Anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Benz(a)anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(a)pyrene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(b)fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(ghi)perylene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(k)fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroethoxy)methane	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroethyl) ether	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroisopropyl) ether	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-ethylhexyl)phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Carbazole	U	0.01	mg/L	0.01	SW846-8270 M
Chrysene	U	0.01	mg/L	0.01	SW846-8270 M
Dibenz(a,h)anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Dibenzofuran	U	0.01	mg/L	0.01	SW846-8270 M
Diethyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Dimethyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Di-n-butyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Di-n-octylphthalate	U	0.01	mg/L	0.01	SW846-8270 M
Fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Fluorene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorobenzene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorobutadiene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorocyclopentadiene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachloroethane	U	0.01	mg/L	0.01	SW846-8270 M
Indeno(1,2,3-cd)pyrene	U	0.01	mg/L	0.01	SW846-8270 M
Isophorone	U	0.01	mg/L	0.01	SW846-8270 M
Naphthalene	U	0.01	mg/L	0.01	SW846-8270 M
Nitrobenzene	U	0.01	mg/L	0.01	SW846-8270 M
N-Nitroso-di-n-propylamine	U	0.01	mg/L	0.01	SW846-8270 M
N-Nitrosodiphenylamine	U	0.01	mg/L	0.01	SW846-8270 M
Pentachlorophenol	U	0.01	mg/L	0.01	SW846-8270 M
Phenanthrene	U	0.01	mg/L	0.01	SW846-8270 M
Phenol	U	0.01	mg/L	0.01	SW846-8270 M
Pyrene	U	0.01	mg/L	0.01	SW846-8270 M
<b>VOA</b>					
1,1-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
cis-1,2-Dichloroethene	J	0.0006	mg/L	0.001	SW846-8021 M
trans-1,2-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
Trichloroethene		0.08	mg/L	0.001	SW846-8021 M
Vinyl chloride	U	0.001	mg/L	0.001	SW846-8021 M
<b>WETCHEM</b>					
Cyanide	U	0.02	mg/L	0.02	SW846-9014

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ERI99-W3C-4

Contingency WAG 3 - SWMU 4

004058WA085C-45

Collected: 9/14/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium		0.396	mg/L		0.05	SW846-6010A
Calcium	JN	27.7	mg/L		0.5	SW846-6010A
Cobalt	U	0.01	mg/L		0.01	SW846-6010A
Iron		1.3	mg/L		0.2	SW846-6010A
Magnesium		11	mg/L		0.05	SW846-6010A
Manganese		1.8	mg/L		0.05	SW846-6010A
Sodium	J	17.5	mg/L		2	SW846-6010A

004058WA085C-5

Collected: 9/14/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium		0.372	mg/L		0.05	SW846-6010A
Calcium	N	25.6	mg/L		0.5	SW846-6010A
Cobalt	U	0.01	mg/L		0.01	SW846-6010A
Iron	B	1.7	mg/L		0.2	SW846-6010A
Magnesium		10.3	mg/L		0.05	SW846-6010A
Manganese		1.71	mg/L		0.05	SW846-6010A
Sodium		17	mg/L		2	SW846-6010A

004-058

ERI99-W3C-4

## Contingency WAG 3 - SWMU 4

004058WA090C

Collected: 9/14/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum		31.2	mg/L		0.2	SW846-6010A
Barium		0.628	mg/L		0.05	SW846-6010A
Beryllium	B	0.009	mg/L		0.005	SW846-6010A
Cadmium	U	0.01	mg/L		0.01	SW846-6010A
Calcium		24.7	mg/L		0.5	SW846-6010A
Chromium		0.085	mg/L		0.05	SW846-6010A
Cobalt		0.072	mg/L		0.01	SW846-6010A
Copper	BU	0.05	mg/L		0.05	SW846-6010A
Iron	*N	502	mg/L		2	SW846-6010A
Magnesium		13.6	mg/L		0.05	SW846-6010A
Manganese		5.75	mg/L		0.05	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel	NU	0.5	mg/L		0.5	SW846-6010A
Potassium		7.37	mg/L		2	SW846-6010A
Selenium	U	0.005	mg/L		0.005	SW846-7740
Silver	BU	0.05	mg/L		0.05	SW846-6010A
Sodium		14.5	mg/L		2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Vanadium		0.2	mg/L		0.1	SW846-6010A
Zinc		0.609	mg/L		0.2	SW846-6010A
<b>RADS</b>						
Alpha activity		6.2	pCi/L	2.1	3	SW846-9310
Americium-241	A	-7.89	pCi/L	15.8	75.2	RL-7124
Beta activity		91.3	pCi/L	4	2.6	SW846-9310
Neptunium-237	A	-9.03	pCi/L	18.1	46.2	RL-7124
Plutonium-239/240	A	-0.296	pCi/L	0.179	1.18	RL-7120
Technetium-99		133	pCi/L	13	14	DNT
Thorium-234	A	-173	pCi/L	345	545	RL-7124
<b>SVOA</b>						
1,2,4-Trichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,2-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,3-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,4-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
2,4,5-Trichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4,6-Trichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dimethylphenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dinitrotoluene	U	0.01	mg/L		0.01	SW846-8270 M
2,6-Dinitrotoluene	U	0.01	mg/L		0.01	SW846-8270 M
2-Chloronaphthalene	U	0.01	mg/L		0.01	SW846-8270 M
2-Chlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Methyl-4,6-dinitrophenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Methylnaphthalene	U	0.01	mg/L		0.01	SW846-8270 M
2-Methylphenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Nitrobenzenamine	U	0.01	mg/L		0.01	SW846-8270 M
2-Nitrophenol	U	0.01	mg/L		0.01	SW846-8270 M
3,3'-Dichlorobenzidine	U	0.01	mg/L		0.01	SW846-8270 M
3-Nitrobenzenamine	U	0.01	mg/L		0.01	SW846-8270 M
4-Bromophenyl phenyl ether	U	0.01	mg/L		0.01	SW846-8270 M

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## ERI99-W3C-4

## Contingency WAG 3 - SWMU 4

4-Chloro-3-methylphenol	U	0.01	mg/L	0.01	SW846-8270 M
4-Chlorobenzeneamine	U	0.01	mg/L	0.01	SW846-8270 M
4-Chlorophenyl phenyl ether	U	0.01	mg/L	0.01	SW846-8270 M
4-Methylphenol	U	0.01	mg/L	0.01	SW846-8270 M
4-Nitrobenzeneamine	U	0.01	mg/L	0.01	SW846-8270 M
4-Nitrophenol	U	0.01	mg/L	0.01	SW846-8270 M
Acenaphthene	U	0.01	mg/L	0.01	SW846-8270 M
Acenaphthylene	U	0.01	mg/L	0.01	SW846-8270 M
Anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Benz(a)anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(a)pyrene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(b)fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(ghi)perylene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(k)fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroethoxy)methane	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroethyl) ether	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroisopropyl) ether	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-ethylhexyl)phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Carbazole	U	0.01	mg/L	0.01	SW846-8270 M
Chrysene	U	0.01	mg/L	0.01	SW846-8270 M
Dibenz(a,h)anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Dibenzofuran	U	0.01	mg/L	0.01	SW846-8270 M
Diethyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Dimethyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Di-n-butyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Di-n-octylphthalate	U	0.01	mg/L	0.01	SW846-8270 M
Fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Fluorene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorobenzene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorobutadiene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorocyclopentadiene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachloroethane	U	0.01	mg/L	0.01	SW846-8270 M
Indeno(1,2,3-cd)pyrene	U	0.01	mg/L	0.01	SW846-8270 M
Isophorone	U	0.01	mg/L	0.01	SW846-8270 M
Naphthalene	U	0.01	mg/L	0.01	SW846-8270 M
Nitrobenzene	U	0.01	mg/L	0.01	SW846-8270 M
N-Nitroso-di-n-propylamine	U	0.01	mg/L	0.01	SW846-8270 M
N-Nitrosodiphenylamine	U	0.01	mg/L	0.01	SW846-8270 M
Pentachlorophenol	U	0.01	mg/L	0.01	SW846-8270 M
Phenanthrene	U	0.01	mg/L	0.01	SW846-8270 M
Phenol	U	0.01	mg/L	0.01	SW846-8270 M
Pyrene	U	0.01	mg/L	0.01	SW846-8270 M

## VOA

1,1,1-Trichloroethane	JU	0.005	mg/L	0.005	SW846-8260
1,1,1,2-Tetrachloroethane	JU	0.005	mg/L	0.005	SW846-8260
1,1,2-Trichloroethane	JU	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethane	JU	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
1,2-Dichloroethane	JU	0.005	mg/L	0.005	SW846-8260
1,2-Dichloropropane	JU	0.005	mg/L	0.005	SW846-8260
1,2-Dimethylbenzene	JU	0.005	mg/L	0.005	SW846-8260
2-Butanone	JU	0.01	mg/L	0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	JU	0.01	mg/L	0.01	SW846-8260
Acetone	JU	0.01	mg/L	0.01	SW846-8260

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ERI99-W3C-4

Contingency WAG 3 - SWMU 4

Benzene	JU	0.005	mg/L	0.005	SW846-8260
Bromodichloromethane	JU	0.005	mg/L	0.005	SW846-8260
Bromoform	JU	0.005	mg/L	0.005	SW846-8260
Carbon disulfide	JU	0.005	mg/L	0.005	SW846-8260
Carbon tetrachloride	JU	0.005	mg/L	0.005	SW846-8260
Chlorobenzene	JU	0.005	mg/L	0.005	SW846-8260
Chloroethane	JU	0.005	mg/L	0.005	SW846-8260
Chloromethane	JU	0.005	mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	JU	0.005	mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
cis-1,3-Dichloropropene	JU	0.005	mg/L	0.005	SW846-8260
Dibromochloromethane	JU	0.005	mg/L	0.005	SW846-8260
Ethylbenzene	JU	0.005	mg/L	0.005	SW846-8260
m,p-Xylene	JU	0.01	mg/L	0.01	SW846-8260
Methylene chloride	JU	0.01	mg/L	0.01	SW846-8260
Styrene	JU	0.005	mg/L	0.005	SW846-8260
Tetrachloroethene	JU	0.005	mg/L	0.005	SW846-8260
Toluene	JU	0.005	mg/L	0.005	SW846-8260
trans-1,2-Dichloroethene	JU	0.005	mg/L	0.005	SW846-8260
trans-1,2-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
trans-1,3-Dichloropropene	JU	0.005	mg/L	0.005	SW846-8260
Trichloroethene	J	0.027	mg/L	0.001	SW846-8260
Trichloroethene		0.02	mg/L	0.001	SW846-8021 M
Vinyl chloride	U	0.001	mg/L	0.001	SW846-8021 M
<b>WETCHEM</b>					
Cyanide	U	0.02	mg/L	0.02	SW846-9014

004058WA090C-45

Collected: 9/14/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium		0.16	mg/L		0.05	SW846-6010A
Beryllium	BU	0.005	mg/L		0.005	SW846-6010A
Calcium		20.5	mg/L		0.5	SW846-6010A
Chromium	U	0.05	mg/L		0.05	SW846-6010A
Cobalt	U	0.01	mg/L		0.01	SW846-6010A
Iron	U	0.2	mg/L		0.2	SW846-6010A
Magnesium		8.74	mg/L		0.05	SW846-6010A
Manganese		1.08	mg/L		0.05	SW846-6010A
Potassium	U	2	mg/L		2	SW846-6010A
Sodium		15.6	mg/L		2	SW846-6010A
Vanadium	BU	0.1	mg/L		0.1	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A

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ERI99-W3C-4

Contingency WAG 3 - SWMU 4

004058WA090C-5

Collected: 9/14/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium		0.156	mg/L		0.05	SW846-6010A
Beryllium	BU	0.005	mg/L		0.005	SW846-6010A
Calcium		20.5	mg/L		0.5	SW846-6010A
Chromium	BU	0.05	mg/L		0.05	SW846-6010A
Cobalt	BU	0.01	mg/L		0.01	SW846-6010A
Iron		0.341	mg/L		0.2	SW846-6010A
Magnesium		8.65	mg/L		0.05	SW846-6010A
Manganese		1.1	mg/L		0.05	SW846-6010A
Potassium	U	2	mg/L		2	SW846-6010A
Sodium		16.3	mg/L		2	SW846-6010A
Vanadium	U	0.1	mg/L		0.1	SW846-6010A
Zinc	BU	0.2	mg/L		0.2	SW846-6010A



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ERI99-W3C-4

Contingency WAG 3 - SWMU 4

004058WA095C

Collected: 9/14/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	N	62	mg/L		0.2	SW846-6010A
Barium		0.355	mg/L		0.05	SW846-6010A
Beryllium	B	0.006	mg/L		0.005	SW846-6010A
Cadmium	U	0.01	mg/L		0.01	SW846-6010A
Calcium	N	22.9	mg/L		0.5	SW846-6010A
Chromium		0.267	mg/L		0.05	SW846-6010A
Cobalt		0.028	mg/L		0.01	SW846-6010A
Copper	U	0.05	mg/L		0.05	SW846-6010A
Iron	*N	499	mg/L		2	SW846-6010A
Lead		0.21	mg/L		0.2	SW846-6010A
Magnesium		16.3	mg/L		0.05	SW846-6010A
Manganese	N	3.1	mg/L		0.05	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel	NU	0.5	mg/L		0.5	SW846-6010A
Potassium		14.8	mg/L		2	SW846-6010A
Selenium	*NUW	0.005	mg/L		0.005	SW846-7740
Silver	BNU	0.05	mg/L		0.05	SW846-6010A
Sodium	N	11.1	mg/L		2	SW846-6010A
Thallium	NU	0.2	mg/L		0.2	SW846-6010A
Vanadium		0.417	mg/L		0.1	SW846-6010A
Zinc	B	0.329	mg/L		0.2	SW846-6010A
<b>RADS</b>						
Alpha activity	A	0.66	pCi/L	0.8	1.3	SW846-9310
Beta activity		4.7	pCi/L	1.6	2.4	SW846-9310
Technetium-99	A	5.9	pCi/L	8.3	14	DNT
<b>SVOA</b>						
1,2,4-Trichlorobenzene	U	0.02	mg/L		0.02	SW846-8270 M
1,2-Dichlorobenzene	U	0.02	mg/L		0.02	SW846-8270 M
1,3-Dichlorobenzene	U	0.02	mg/L		0.02	SW846-8270 M
1,4-Dichlorobenzene	U	0.02	mg/L		0.02	SW846-8270 M
2,4,5-Trichlorophenol	U	0.02	mg/L		0.02	SW846-8270 M
2,4,6-Trichlorophenol	U	0.02	mg/L		0.02	SW846-8270 M
2,4-Dichlorophenol	U	0.02	mg/L		0.02	SW846-8270 M
2,4-Dimethylphenol	U	0.02	mg/L		0.02	SW846-8270 M
2,4-Dinitrophenol	U	0.02	mg/L		0.02	SW846-8270 M
2,4-Dinitrotoluene	U	0.02	mg/L		0.02	SW846-8270 M
2,6-Dinitrotoluene	U	0.02	mg/L		0.02	SW846-8270 M
2-Chloronaphthalene	U	0.02	mg/L		0.02	SW846-8270 M
2-Chlorophenol	U	0.02	mg/L		0.02	SW846-8270 M
2-Methyl-4,6-dinitrophenol	U	0.02	mg/L		0.02	SW846-8270 M
2-Methylnaphthalene	U	0.02	mg/L		0.02	SW846-8270 M
2-Methylphenol	U	0.02	mg/L		0.02	SW846-8270 M
2-Nitrobenzenamine	U	0.02	mg/L		0.02	SW846-8270 M
2-Nitrophenol	U	0.02	mg/L		0.02	SW846-8270 M
3,3'-Dichlorobenzidine	U	0.02	mg/L		0.02	SW846-8270 M
3-Nitrobenzenamine	U	0.02	mg/L		0.02	SW846-8270 M
4-Bromophenyl phenyl ether	U	0.02	mg/L		0.02	SW846-8270 M
4-Chloro-3-methylphenol	U	0.02	mg/L		0.02	SW846-8270 M
4-Chlorobenzenamine	U	0.02	mg/L		0.02	SW846-8270 M

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## ERI99-W3C-4

## Contingency WAG 3 - SWMU 4

4-Chlorophenyl phenyl ether	U	0.02	mg/L	0.02	SW846-8270 M
4-Methylphenol	U	0.02	mg/L	0.02	SW846-8270 M
4-Nitrobenzenamine	U	0.02	mg/L	0.02	SW846-8270 M
4-Nitrophenol	U	0.02	mg/L	0.02	SW846-8270 M
Acenaphthene	U	0.02	mg/L	0.02	SW846-8270 M
Acenaphthylene	U	0.02	mg/L	0.02	SW846-8270 M
Anthracene	U	0.02	mg/L	0.02	SW846-8270 M
Benz(a)anthracene	U	0.02	mg/L	0.02	SW846-8270 M
Benzo(a)pyrene	U	0.02	mg/L	0.02	SW846-8270 M
Benzo(b)fluoranthene	U	0.02	mg/L	0.02	SW846-8270 M
Benzo(ghi)perylene	U	0.02	mg/L	0.02	SW846-8270 M
Benzo(k)fluoranthene	U	0.02	mg/L	0.02	SW846-8270 M
Bis(2-chloroethoxy)methane	U	0.02	mg/L	0.02	SW846-8270 M
Bis(2-chloroethyl) ether	U	0.02	mg/L	0.02	SW846-8270 M
Bis(2-chloroisopropyl) ether	U	0.02	mg/L	0.02	SW846-8270 M
Bis(2-ethylhexyl)phthalate	U	0.02	mg/L	0.02	SW846-8270 M
Butyl benzyl phthalate	U	0.02	mg/L	0.02	SW846-8270 M
Carbazole	U	0.02	mg/L	0.02	SW846-8270 M
Chrysene	U	0.02	mg/L	0.02	SW846-8270 M
Dibenz(a,h)anthracene	U	0.02	mg/L	0.02	SW846-8270 M
Dibenzofuran	U	0.02	mg/L	0.02	SW846-8270 M
Diethyl phthalate	U	0.02	mg/L	0.02	SW846-8270 M
Dimethyl phthalate	U	0.02	mg/L	0.02	SW846-8270 M
Di-n-butyl phthalate	U	0.02	mg/L	0.02	SW846-8270 M
Di-n-octylphthalate	U	0.02	mg/L	0.02	SW846-8270 M
Fluoranthene	U	0.02	mg/L	0.02	SW846-8270 M
Fluorene	U	0.02	mg/L	0.02	SW846-8270 M
Hexachlorobenzene	U	0.02	mg/L	0.02	SW846-8270 M
Hexachlorobutadiene	U	0.02	mg/L	0.02	SW846-8270 M
Hexachlorocyclopentadiene	U	0.02	mg/L	0.02	SW846-8270 M
Hexachloroethane	U	0.02	mg/L	0.02	SW846-8270 M
Indeno(1,2,3-cd)pyrene	U	0.02	mg/L	0.02	SW846-8270 M
Isophorone	U	0.02	mg/L	0.02	SW846-8270 M
Naphthalene	U	0.02	mg/L	0.02	SW846-8270 M
Nitrobenzene	U	0.02	mg/L	0.02	SW846-8270 M
N-Nitroso-di-n-propylamine	U	0.02	mg/L	0.02	SW846-8270 M
N-Nitrosodiphenylamine	U	0.02	mg/L	0.02	SW846-8270 M
Pentachlorophenol	U	0.02	mg/L	0.02	SW846-8270 M
Phenanthrene	U	0.02	mg/L	0.02	SW846-8270 M
Phenol	U	0.02	mg/L	0.02	SW846-8270 M
Pyrene	U	0.02	mg/L	0.02	SW846-8270 M
<b>VOA</b>					
1,1-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
cis-1,2-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
trans-1,2-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
Trichloroethene	J	0.0001	mg/L	0.001	SW846-8021 M
Vinyl chloride	U	0.001	mg/L	0.001	SW846-8021 M
<b>WETCHEM</b>					
Cyanide	U	0.02	mg/L	0.02	SW846-9014

004-058

ERI99-W3C-4

## Contingency WAG 3 - SWMU 4

004058WA095C-45

Collected: 9/14/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium	U	0.05	mg/L		0.05	SW846-6010A
Beryllium	BU	0.005	mg/L		0.005	SW846-6010A
Calcium	JN	12.6	mg/L		0.5	SW846-6010A
Chromium	BU	0.05	mg/L		0.05	SW846-6010A
Cobalt	U	0.01	mg/L		0.01	SW846-6010A
Iron		3.01	mg/L		0.2	SW846-6010A
Magnesium		5.53	mg/L		0.05	SW846-6010A
Manganese		0.935	mg/L		0.05	SW846-6010A
Potassium		3.46	mg/L		2	SW846-6010A
Sodium	J	12.4	mg/L		2	SW846-6010A
Vanadium	U	0.1	mg/L		0.1	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A

004058WA095C-5

Collected: 9/14/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum		0.344	mg/L		0.2	SW846-6010A
Barium	U	0.05	mg/L		0.05	SW846-6010A
Beryllium	BU	0.005	mg/L		0.005	SW846-6010A
Calcium	N	11.4	mg/L		0.5	SW846-6010A
Chromium	BU	0.05	mg/L		0.05	SW846-6010A
Cobalt	U	0.01	mg/L		0.01	SW846-6010A
Iron	B	2.95	mg/L		0.2	SW846-6010A
Magnesium		5.17	mg/L		0.05	SW846-6010A
Manganese		0.853	mg/L		0.05	SW846-6010A
Potassium		2.96	mg/L		2	SW846-6010A
Sodium		11.6	mg/L		2	SW846-6010A
Vanadium	U	0.1	mg/L		0.1	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A

004-058

ERI99-W3C-4

Contingency WAG 3 - SWMU 4

004058WA160C

Collected: 9/14/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum		192	mg/L		0.2	SW846-6010A
Arsenic		0.1	mg/L		0.005	SW846-7060
Barium		2.49	mg/L		0.05	SW846-6010A
Beryllium		0.123	mg/L		0.005	SW846-6010A
Cadmium		0.031	mg/L		0.01	SW846-6010A
Calcium		162	mg/L		0.5	SW846-6010A
Chromium		0.5	mg/L		0.05	SW846-6010A
Cobalt		1.89	mg/L		0.01	SW846-6010A
Copper		0.937	mg/L		0.05	SW846-6010A
Iron	*N	1420	mg/L		2	SW846-6010A
Lead		2.15	mg/L		0.2	SW846-6010A
Magnesium		88.1	mg/L		0.05	SW846-6010A
Manganese		25.9	mg/L		0.05	SW846-6010A
Mercury	BN	0.0082	mg/L		0.0002	SW846-7470
Nickel	NU	0.5	mg/L		0.5	SW846-6010A
Potassium		51	mg/L		2	SW846-6010A
Selenium	U	0.005	mg/L		0.005	SW846-7740
Silver	BU	0.05	mg/L		0.05	SW846-6010A
Sodium		12.2	mg/L		2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Vanadium		5.47	mg/L		0.1	SW846-6010A
Zinc		9.67	mg/L		0.2	SW846-6010A
<b>RADS</b>						
Alpha activity		13.9	pCi/L	4.9	6.7	SW846-9310
Beta activity		24.7	pCi/L	5.4	8	SW846-9310
Technetium-99		37	pCi/L	10	16	DNT
<b>VOA</b>						
1,1-Dichloroethene	U	0.001	mg/L		0.001	SW846-8021 M
cis-1,2-Dichloroethene	U	0.001	mg/L		0.001	SW846-8021 M
trans-1,2-Dichloroethene	U	0.001	mg/L		0.001	SW846-8021 M
Trichloroethene	U	0.001	mg/L		0.001	SW846-8021 M
Vinyl chloride	U	0.001	mg/L		0.001	SW846-8021 M

006-028

ERI99-W3C-6

## Contingency WAG 3 - SWMU 6

006028WA045C

Collected: 8/21/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>RADS</b>						
Alpha activity	U	11	pCi/L	22	38	SW846-9310
Beta activity		538	pCi/L	40	40	SW846-9310
Technetium-99		930	pCi/L	49	65	DNT
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.001	mg/L		0.001	SW846-8021 M
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dimethylbenzene	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	UX	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	JU	0.01	mg/L		0.01	SW846-8260
Acetone		0.013	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.001	mg/L		0.001	SW846-8021 M
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
m,p-Xylene	U	0.01	mg/L		0.01	SW846-8260
Methylene chloride	JU	0.01	mg/L		0.01	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,2-Dichloroethene	U	0.001	mg/L		0.001	SW846-8021 M
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene	U	0.001	mg/L		0.001	SW846-8260
Trichloroethene	U	0.001	mg/L		0.001	SW846-8021 M
Vinyl chloride	U	0.001	mg/L		0.001	SW846-8021 M

006-029

ERI99-W3C-6

## Contingency WAG 3 - SWMU 6

006029WA045C

Collected: 9/14/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	N	1650	mg/L		2	SW846-6010A
Arsenic		0.005	mg/L		0.005	SW846-7060
Barium		9.59	mg/L		0.05	SW846-6010A
Beryllium		0.09	mg/L		0.005	SW846-6010A
Cadmium		0.039	mg/L		0.01	SW846-6010A
Calcium	*N	892	mg/L		5	SW846-6010A
Chromium	N	3	mg/L		0.5	SW846-6010A
Cobalt		1.2	mg/L		0.01	SW846-6010A
Copper		0.9	mg/L		0.5	SW846-6010A
Iron	*JN	2640	mg/L		2	SW846-6010A
Lead		2.03	mg/L		0.2	SW846-6010A
Magnesium		190	mg/L		0.5	SW846-6010A
Manganese		93	mg/L		0.5	SW846-6010A
Mercury		0.003	mg/L		0.0002	SW846-7470
Nickel	ENU	0.5	mg/L		0.5	SW846-6010A
Potassium		40	mg/L		2	SW846-6010A
Selenium	U	0.005	mg/L		0.005	SW846-7740
Silver	U	0.5	mg/L		0.5	SW846-6010A
Sodium		56.2	mg/L		2	SW846-6010A
Thallium	BNU	2	mg/L		2	SW846-6010A
Vanadium		3.34	mg/L		0.1	SW846-6010A
Zinc	*BN	4.16	mg/L		2	SW846-6010A
<b>PCCB</b>						
PCB-1221	U	0.111	mg/L		0.111	SW846-8082 M
PCB-1232	U	0.111	mg/L		0.111	SW846-8082 M
<b>RADS</b>						
Alpha activity	A	2.9	pCi/L	2.6	4	SW846-9310
Beta activity		9	pCi/L	1.9	2.6	SW846-9310
Technetium-99		16	pCi/L	8.8	14	DNT
<b>SVOA</b>						
1,2,4-Trichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,2,4-Trichlorobenzene	JU	0.005	mg/L		0.005	SW846-8270
1,2-Dichlorobenzene	JU	0.005	mg/L		0.005	SW846-8270
1,2-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,3-Dichlorobenzene	JU	0.005	mg/L		0.005	SW846-8270
1,3-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,4-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,4-Dichlorobenzene	JU	0.005	mg/L		0.005	SW846-8270
2,4,5-Trichlorophenol	JU	0.005	mg/L		0.005	SW846-8270
2,4,5-Trichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4,6-Trichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4,6-Trichlorophenol	JU	0.005	mg/L		0.005	SW846-8270
2,4-Dichlorophenol	JU	0.005	mg/L		0.005	SW846-8270
2,4-Dichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dimethylphenol	JU	0.005	mg/L		0.005	SW846-8270
2,4-Dimethylphenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dinitrophenol	JU	0.005	mg/L		0.005	SW846-8270
2,4-Dinitrophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dinitrotoluene	U	0.01	mg/L		0.01	SW846-8270 M

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Contingency WAG 3 - SWMU 6

2,4-Dinitrotoluene	JU	0.005	mg/L	0.005	SW846-8270
2,6-Dinitrotoluene	U	0.01	mg/L	0.01	SW846-8270 M
2,6-Dinitrotoluene	JU	0.005	mg/L	0.005	SW846-8270
2-Chloronaphthalene	JU	0.005	mg/L	0.005	SW846-8270
2-Chloronaphthalene	U	0.01	mg/L	0.01	SW846-8270 M
2-Chlorophenol	U	0.01	mg/L	0.01	SW846-8270 M
2-Chlorophenol	JU	0.005	mg/L	0.005	SW846-8270
2-Methyl-4,6-dinitrophenol	U	0.01	mg/L	0.01	SW846-8270 M
2-Methyl-4,6-dinitrophenol	JU	0.005	mg/L	0.005	SW846-8270
2-Methylnaphthalene	U	0.01	mg/L	0.01	SW846-8270 M
2-Methylnaphthalene	JU	0.005	mg/L	0.005	SW846-8270
2-Methylphenol	U	0.01	mg/L	0.01	SW846-8270 M
2-Methylphenol	JU	0.005	mg/L	0.005	SW846-8270
2-Nitrobenzenamine	JU	0.005	mg/L	0.005	SW846-8270
2-Nitrobenzenamine	U	0.01	mg/L	0.01	SW846-8270 M
2-Nitrophenol	U	0.01	mg/L	0.01	SW846-8270 M
2-Nitrophenol	JU	0.005	mg/L	0.005	SW846-8270
3,3'-Dichlorobenzidine	U	0.01	mg/L	0.01	SW846-8270 M
3,3'-Dichlorobenzidine	JU	0.005	mg/L	0.005	SW846-8270
3-Nitrobenzenamine	JU	0.005	mg/L	0.005	SW846-8270
3-Nitrobenzenamine	U	0.01	mg/L	0.01	SW846-8270 M
4-Bromophenyl phenyl ether	JU	0.005	mg/L	0.005	SW846-8270
4-Bromophenyl phenyl ether	U	0.01	mg/L	0.01	SW846-8270 M
4-Chloro-3-methylphenol	JU	0.005	mg/L	0.005	SW846-8270
4-Chloro-3-methylphenol	U	0.01	mg/L	0.01	SW846-8270 M
4-Chlorobenzenamine	U	0.01	mg/L	0.01	SW846-8270 M
4-Chlorobenzenamine	JU	0.005	mg/L	0.005	SW846-8270
4-Chlorophenyl phenyl ether	JU	0.005	mg/L	0.005	SW846-8270
4-Chlorophenyl phenyl ether	U	0.01	mg/L	0.01	SW846-8270 M
4-Methylphenol	JU	0.005	mg/L	0.005	SW846-8270
4-Methylphenol	U	0.01	mg/L	0.01	SW846-8270 M
4-Nitrobenzenamine	JU	0.005	mg/L	0.005	SW846-8270
4-Nitrobenzenamine	U	0.01	mg/L	0.01	SW846-8270 M
4-Nitrophenol	JU	0.005	mg/L	0.005	SW846-8270
4-Nitrophenol	U	0.01	mg/L	0.01	SW846-8270 M
Acenaphthene	JU	0.005	mg/L	0.005	SW846-8270
Acenaphthene	U	0.01	mg/L	0.01	SW846-8270 M
Acenaphthylene	JU	0.005	mg/L	0.005	SW846-8270
Acenaphthylene	U	0.01	mg/L	0.01	SW846-8270 M
Anthracene	JU	0.005	mg/L	0.005	SW846-8270
Anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Benz(a)anthracene	JU	0.005	mg/L	0.005	SW846-8270
Benz(a)anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(a)pyrene	JU	0.005	mg/L	0.005	SW846-8270
Benzo(a)pyrene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(b)fluoranthene	JU	0.005	mg/L	0.005	SW846-8270
Benzo(b)fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(ghi)perylene	JU	0.005	mg/L	0.005	SW846-8270
Benzo(ghi)perylene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(k)fluoranthene	JU	0.005	mg/L	0.005	SW846-8270
Benzo(k)fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroethoxy)methane	JU	0.005	mg/L	0.005	SW846-8270
Bis(2-chloroethoxy)methane	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroethyl) ether	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroethyl) ether	JU	0.005	mg/L	0.005	SW846-8270

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Contingency WAG 3 - SWMU 6

Bis(2-chloroisopropyl) ether	JU	0.005	mg/L	0.005	SW846-8270
Bis(2-chloroisopropyl) ether	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-ethylhexyl)phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-ethylhexyl)phthalate	JU	0.005	mg/L	0.005	SW846-8270
Butyl benzyl phthalate	JU	0.005	mg/L	0.005	SW846-8270
Butyl benzyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Carbazole	U	0.01	mg/L	0.01	SW846-8270 M
Carbazole	JU	0.005	mg/L	0.005	SW846-8270
Chrysene	U	0.01	mg/L	0.01	SW846-8270 M
Chrysene	JU	0.005	mg/L	0.005	SW846-8270
Dibenz(a,h)anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Dibenz(a,h)anthracene	JU	0.005	mg/L	0.005	SW846-8270
Dibenzofuran	U	0.01	mg/L	0.01	SW846-8270 M
Dibenzofuran	JU	0.005	mg/L	0.005	SW846-8270
Diethyl phthalate	JU	0.005	mg/L	0.005	SW846-8270
Diethyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Dimethyl phthalate	JU	0.005	mg/L	0.005	SW846-8270
Dimethyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Di-n-butyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Di-n-butyl phthalate	JU	0.005	mg/L	0.005	SW846-8270
Di-n-octylphthalate	U	0.01	mg/L	0.01	SW846-8270 M
Di-n-octylphthalate	JU	0.005	mg/L	0.005	SW846-8270
Fluoranthene	JU	0.005	mg/L	0.005	SW846-8270
Fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Fluorene	JU	0.005	mg/L	0.005	SW846-8270
Fluorene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorobenzene	JU	0.005	mg/L	0.005	SW846-8270
Hexachlorobenzene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorobutadiene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorobutadiene	JU	0.005	mg/L	0.005	SW846-8270
Hexachlorocyclopentadiene	JU	0.005	mg/L	0.005	SW846-8270
Hexachlorocyclopentadiene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachloroethane	JU	0.005	mg/L	0.005	SW846-8270
Hexachloroethane	U	0.01	mg/L	0.01	SW846-8270 M
Indeno(1,2,3-cd)pyrene	JU	0.005	mg/L	0.005	SW846-8270
Indeno(1,2,3-cd)pyrene	U	0.01	mg/L	0.01	SW846-8270 M
Isophorone	JU	0.005	mg/L	0.005	SW846-8270
Isophorone	U	0.01	mg/L	0.01	SW846-8270 M
Naphthalene	JU	0.005	mg/L	0.005	SW846-8270
Naphthalene	U	0.01	mg/L	0.01	SW846-8270 M
Nitrobenzene	U	0.01	mg/L	0.01	SW846-8270 M
Nitrobenzene	JU	0.005	mg/L	0.005	SW846-8270
N-Nitroso-di-n-propylamine	JU	0.005	mg/L	0.005	SW846-8270
N-Nitroso-di-n-propylamine	U	0.01	mg/L	0.01	SW846-8270 M
N-Nitrosodiphenylamine	U	0.01	mg/L	0.01	SW846-8270 M
N-Nitrosodiphenylamine	JU	0.005	mg/L	0.005	SW846-8270
Pentachlorophenol	U	0.01	mg/L	0.01	SW846-8270 M
Pentachlorophenol	JU	0.005	mg/L	0.005	SW846-8270
Phenanthrene	JU	0.005	mg/L	0.005	SW846-8270
Phenanthrene	U	0.01	mg/L	0.01	SW846-8270 M
Phenol	U	0.01	mg/L	0.01	SW846-8270 M
Phenol	JU	0.005	mg/L	0.005	SW846-8270
Pyrene	JU	0.005	mg/L	0.005	SW846-8270
Pyrene	U	0.01	mg/L	0.01	SW846-8270 M
Pyridine	JU	0.005	mg/L	0.005	SW846-8270



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006-029

ERI99-W3C-6

Contingency WAG 3 - SWMU 6

VOA

1,1-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
cis-1,2-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
trans-1,2-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
Trichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
Vinyl chloride	U	0.001	mg/L	0.001	SW846-8021 M
<b>WETCHEM</b>					
Cyanide	U	0.02	mg/L	0.02	SW846-9014

006029WA045C-45

Collected: 9/14/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum		0.259	mg/L		0.2	SW846-6010A
Barium		0.178	mg/L		0.05	SW846-6010A
Beryllium	BU	0.005	mg/L		0.005	SW846-6010A
Cadmium	BU	0.01	mg/L		0.01	SW846-6010A
Calcium		65.2	mg/L		0.5	SW846-6010A
Chromium	U	0.05	mg/L		0.05	SW846-6010A
Cobalt		0.011	mg/L		0.01	SW846-6010A
Copper	U	0.05	mg/L		0.05	SW846-6010A
Iron	U	0.2	mg/L		0.2	SW846-6010A
Magnesium		21.7	mg/L		0.05	SW846-6010A
Manganese		3.09	mg/L		0.05	SW846-6010A
Mercury	BNU	0.0002	mg/L		0.0002	SW846-7470
Potassium	U	2	mg/L		2	SW846-6010A
Sodium		78.9	mg/L		2	SW846-6010A
Vanadium	BU	0.1	mg/L		0.1	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A

006029WA045C-5

Collected: 9/14/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum		2.91	mg/L		0.2	SW846-6010A
Barium		0.188	mg/L		0.05	SW846-6010A
Beryllium	BU	0.005	mg/L		0.005	SW846-6010A
Cadmium	U	0.01	mg/L		0.01	SW846-6010A
Calcium		67.3	mg/L		0.5	SW846-6010A
Chromium	BU	0.05	mg/L		0.05	SW846-6010A
Cobalt	B	0.017	mg/L		0.01	SW846-6010A
Copper	BU	0.05	mg/L		0.05	SW846-6010A
Iron		1.48	mg/L		0.2	SW846-6010A
Magnesium		21.8	mg/L		0.05	SW846-6010A
Manganese		3.85	mg/L		0.05	SW846-6010A
Mercury	BNU	0.0002	mg/L		0.0002	SW846-7470
Potassium	U	2	mg/L		2	SW846-6010A
Sodium		78.8	mg/L		2	SW846-6010A
Vanadium	U	0.1	mg/L		0.1	SW846-6010A
Zinc	BU	0.2	mg/L		0.2	SW846-6010A

## DG-002

## ERI99-W-DG

## DG002WA070

Collected: 4/9/1999

Media Type: WG

Sample Type: REG

## DATA GAPS

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>RADS</b>						
Alpha activity		17.4	pCi/L	4.5	4.6	SW846-9310
Beta activity		15.3	pCi/L	1.8	2.2	SW846-9310
Neptunium-237	A	0.06	pCi/L	0.09	47.4	RL-7124
Technetium-99	U	-0.9	pCi/L	4.3	7	DNT
Uranium-235		0.63	wt %			AS7300
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethene	U	0.001	mg/L		0.001	SW846-8021 M
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dimethylbenzene	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	JU	0.01	mg/L		0.01	SW846-8260
Acetone	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.001	mg/L		0.001	SW846-8021 M
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
m,p-Xylene	U	0.01	mg/L		0.01	SW846-8260
Methylene chloride	U	0.01	mg/L		0.01	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,2-Dichloroethene	U	0.001	mg/L		0.001	SW846-8021 M
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene	U	0.001	mg/L		0.001	SW846-8260
Trichloroethene	U	0.001	mg/L		0.001	SW846-8021 M
Vinyl chloride	U	0.001	mg/L		0.001	SW846-8021 M

DG-002

ERI99-W-DG

DATA GAPS

DG002WA075

Collected: 4/10/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>RADS</b>						
Alpha activity		8.6	pCi/L	2.2	2.4	SW846-9310
Beta activity		33.2	pCi/L	2.2	1.9	SW846-9310
Neptunium-237	A	-6.33	pCi/L	8.95	49.4	RL-7124
Technetium-99		33.4	pCi/L	5.2	7.4	DNT
Uranium-235		0.61	wt %			AS7300
<b>VOA</b>						
1,1-Dichloroethene	U	0.001	mg/L		0.001	SW846-8021 M
cis-1,2-Dichloroethene	U	0.001	mg/L		0.001	SW846-8021 M
trans-1,2-Dichloroethene	U	0.001	mg/L		0.001	SW846-8021 M
Trichloroethene	U	0.001	mg/L		0.001	SW846-8021 M
Vinyl chloride	U	0.001	mg/L		0.001	SW846-8021 M

DG002WA080

Collected: 4/10/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>RADS</b>						
Alpha activity		87	pCi/L	15	11	SW846-9310
Beta activity		62.5	pCi/L	5.5	5.5	SW846-9310
Neptunium-237	A	-10.2	pCi/L	14.5	49.6	RL-7124
Technetium-99		15.3	pCi/L	4.8	7.3	DNT
Uranium-235		0.89	wt %			AS7300
<b>VOA</b>						
1,1-Dichloroethene	U	0.001	mg/L		0.001	SW846-8021 M
cis-1,2-Dichloroethene	U	0.001	mg/L		0.001	SW846-8021 M
trans-1,2-Dichloroethene	U	0.001	mg/L		0.001	SW846-8021 M
Trichloroethene	U	0.001	mg/L		0.001	SW846-8021 M
Vinyl chloride	U	0.001	mg/L		0.001	SW846-8021 M

DG002WA085

Collected: 4/10/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>RADS</b>						
Alpha activity		106	pCi/L	16	15	SW846-9310
Beta activity		77	pCi/L	10	14	SW846-9310
Neptunium-237	A	-7.94	pCi/L	11.2	47.6	RL-7124
Technetium-99	U	3.8	pCi/L	5.2	8.3	DNT
Uranium-235		0.52	wt %			AS7300
<b>VOA</b>						
1,1-Dichloroethene	U	0.001	mg/L		0.001	SW846-8021 M
cis-1,2-Dichloroethene	U	0.001	mg/L		0.001	SW846-8021 M
trans-1,2-Dichloroethene	U	0.001	mg/L		0.001	SW846-8021 M
Trichloroethene	U	0.001	mg/L		0.001	SW846-8021 M
Vinyl chloride	U	0.001	mg/L		0.001	SW846-8021 M

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DG-002

ERI99-W-DG

DATA GAPS

DG002WA090

Collected: 4/10/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>RADS</b>						
Alpha activity		25.9	pCi/L	4.1	4.1	SW846-9310
Alpha activity		7.05	pCi/L	2.32	3.98	EPA-900.0
Beta activity		8.23	pCi/L	1.48	5.85	EPA-900.0
Beta activity		22.2	pCi/L	2.5	3.4	SW846-9310
Neptunium-237	A	-15.5	pCi/L	21.9	47	RL-7124
Technetium-99	U	2.8	pCi/L	5.1	8.2	DNT
Technetium-99	A	-3.28	pCi/L	0	17.9	RL-7100
Uranium-235		0.83	wt %			AS7300
<b>VOA</b>						
1,1-Dichloroethene	U	0.001	mg/L		0.001	SW846-8021 M
cis-1,2-Dichloroethene	U	0.001	mg/L		0.001	SW846-8021 M
trans-1,2-Dichloroethene	U	0.001	mg/L		0.001	SW846-8021 M
Trichloroethene	U	0.001	mg/L		0.001	SW846-8021 M
Vinyl chloride	U	0.001	mg/L		0.001	SW846-8021 M

DG002WA140

Collected: 4/12/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>RADS</b>						
Alpha activity		8.7	pCi/L	1.5	1.4	SW846-9310
Beta activity		7.3	pCi/L	0.86	1.2	SW846-9310
Technetium-99		480	pCi/L	259	410	DNT
Uranium-235		0.77	wt %			AS7300
Uranium-235		0.57	wt %	0.05		RL-7124
<b>VOA</b>						
1,1-Dichloroethene	U	0.001	mg/L		0.001	SW846-8021 M
cis-1,2-Dichloroethene	U	0.001	mg/L		0.001	SW846-8021 M
trans-1,2-Dichloroethene	U	0.001	mg/L		0.001	SW846-8021 M
Trichloroethene	U	0.001	mg/L		0.001	SW846-8021 M
Vinyl chloride	U	0.001	mg/L		0.001	SW846-8021 M

**DG-005**

**ERI99-W-DG**

**DG005WA035**

Collected: 4/23/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>RADS</b>						
Alpha activity		3.6	pCi/L	1.6	2	SW846-9310
Beta activity	U	1.3	pCi/L	1.3	2.2	SW846-9310
Technetium-99	U	5.5	pCi/L	8.7	14	DNT
<b>VOA</b>						
1,1-Dichloroethene	U	0.001	mg/L		0.001	SW846-8021 M
cis-1,2-Dichloroethene	U	0.001	mg/L		0.001	SW846-8021 M
trans-1,2-Dichloroethene	U	0.001	mg/L		0.001	SW846-8021 M
Trichloroethene	U	0.001	mg/L		0.001	SW846-8021 M
Vinyl chloride	U	0.001	mg/L		0.001	SW846-8021 M

**DG005WA060**

Collected: 4/23/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>RADS</b>						
Alpha activity	U	-0.32	pCi/L	0.5	1.1	SW846-9310
Beta activity		2.7	pCi/L	1	1.5	SW846-9310
Technetium-99	U	2.9	pCi/L	8.6	14	DNT
<b>VOA</b>						
1,1-Dichloroethene	U	0.001	mg/L		0.001	SW846-8021 M
cis-1,2-Dichloroethene	U	0.001	mg/L		0.001	SW846-8021 M
trans-1,2-Dichloroethene	U	0.001	mg/L		0.001	SW846-8021 M
Trichloroethene		0.0014	mg/L		0.001	SW846-8021 M
Vinyl chloride	U	0.001	mg/L		0.001	SW846-8021 M

**DG005WA065**

Collected: 4/23/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>RADS</b>						
Alpha activity	U	0.54	pCi/L	0.93	1.6	SW846-9310
Beta activity		9.1	pCi/L	1.4	1.8	SW846-9310
Technetium-99	U	9.3	pCi/L	9	14	DNT
<b>VOA</b>						
1,1-Dichloroethene	U	0.001	mg/L		0.001	SW846-8021 M
cis-1,2-Dichloroethene	U	0.001	mg/L		0.001	SW846-8021 M
trans-1,2-Dichloroethene	U	0.001	mg/L		0.001	SW846-8021 M
Trichloroethene		0.021	mg/L		0.001	SW846-8021 M
Vinyl chloride	U	0.001	mg/L		0.001	SW846-8021 M

**DG-005**  
**ERI99-W-DG**  
**DG005WA070**

**DATA GAPS**

Collected: 4/23/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	NU	0.2	mg/L		0.2	SW846-6010A
Arsenic	*NW	0.005	mg/L		0.005	SW846-7060
Barium	N	0.1	mg/L		0.05	SW846-6010A
Beryllium	BU	0.005	mg/L		0.005	SW846-6010A
Boron	*NU	2	mg/L		2	SW846-6010A
Cadmium	*BNU	0.005	mg/L		0.005	SW846-7131
Calcium	JN	29.1	mg/L		0.5	SW846-6010A
Chromium	BNU	0.05	mg/L		0.05	SW846-6010A
Cobalt	NU	0.01	mg/L		0.01	SW846-6010A
Copper	U	0.05	mg/L		0.05	SW846-6010A
Cyanide	U	0.02	mg/L		0.02	SW846-9014
Iron	N	4.15	mg/L		0.2	SW846-6010A
Lithium	JU	0.05	mg/L		0.05	SW846-6010A
Magnesium		10.6	mg/L		0.05	SW846-6010A
Manganese	N	0.1	mg/L		0.05	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Potassium	U	2	mg/L		2	SW846-6010A
Selenium	NUW	0.005	mg/L		0.005	SW846-7740
Silver	BNU	0.05	mg/L		0.05	SW846-6010A
Sodium	JN	34.4	mg/L		2	SW846-6010A
Strontium		0.07	mg/L		0.05	SW846-6010A
Thallium	NU	0.2	mg/L		0.2	SW846-6010A
Vanadium	U	0.1	mg/L		0.1	SW846-6010A
Zinc	BU	0.2	mg/L		0.2	SW846-6010A
<b>RADS</b>						
Alpha activity		5	pCi/L	2.5	3.8	SW846-9310
Beta activity		81.1	pCi/L	3.6	2.4	SW846-9310
Technetium-99		127	pCi/L	13	14	DNT
<b>VOA</b>						
1,1-Dichloroethene	U	0.001	mg/L		0.001	SW846-8021 M
cis-1,2-Dichloroethene	U	0.001	mg/L		0.001	SW846-8021 M
trans-1,2-Dichloroethene	U	0.001	mg/L		0.001	SW846-8021 M
Trichloroethene		0.12	mg/L		0.001	SW846-8021 M
Vinyl chloride	U	0.001	mg/L		0.001	SW846-8021 M

DG-005

ERI99-W-DG

DG005WA070-45

DATA GAPS

Collected: 4/23/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Arsenic	W	0.005	mg/L		0.005	SW846-7060
Barium	J	0.09	mg/L		0.05	SW846-6010A
Calcium	JN	29.7	mg/L		0.5	SW846-6010A
Cyanide	U	0.02	mg/L		0.02	SW846-9014
Iron		1.68	mg/L		0.2	SW846-6010A
Magnesium		10.2	mg/L		0.05	SW846-6010A
Manganese		0.08	mg/L		0.05	SW846-6010A
Sodium	N	31.9	mg/L		2	SW846-6010A
Strontium		0.07	mg/L		0.05	SW846-6010A

DG005WA070-5

Collected: 4/23/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Arsenic	W	0.006	mg/L		0.005	SW846-7060
Barium		0.1	mg/L		0.05	SW846-6010A
Calcium	N	26.5	mg/L		0.5	SW846-6010A
Cyanide	U	0.02	mg/L		0.02	SW846-9014
Iron	BN	0.94	mg/L		0.2	SW846-6010A
Magnesium		11	mg/L		0.05	SW846-6010A
Manganese		0.05	mg/L		0.05	SW846-6010A
Sodium		30	mg/L		2	SW846-6010A
Strontium		0.06	mg/L		0.05	SW846-6010A

DG005WA075

Collected: 4/23/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>RADS</b>						
Alpha activity		5	pCi/L	2.7	4.2	SW846-9310
Beta activity		98	pCi/L	3.7	2.3	SW846-9310
Technetium-99		143	pCi/L	14	14	DNT
<b>VOA</b>						
1,1-Dichloroethene	U	0.001	mg/L		0.001	SW846-8021 M
cis-1,2-Dichloroethene	U	0.001	mg/L		0.001	SW846-8021 M
trans-1,2-Dichloroethene	U	0.001	mg/L		0.001	SW846-8021 M
Trichloroethene		0.18	mg/L		0.001	SW846-8021 M
Vinyl chloride	U	0.001	mg/L		0.001	SW846-8021 M

**DG-005**  
**ERI99-W-DG**  
**DG005WA080**

**DATA GAPS**

Collected: 4/24/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	N	0.53	mg/L		0.2	SW846-6010A
Arsenic	*NW	0.01	mg/L		0.005	SW846-7060
Barium	N	0.12	mg/L		0.05	SW846-6010A
Beryllium	BU	0.005	mg/L		0.005	SW846-6010A
Boron	*NU	2	mg/L		2	SW846-6010A
Cadmium	*BNU	0.005	mg/L		0.005	SW846-7131
Calcium	JN	28.1	mg/L		0.5	SW846-6010A
Chromium	BNU	0.05	mg/L		0.05	SW846-6010A
Cobalt	NU	0.01	mg/L		0.01	SW846-6010A
Copper	U	0.05	mg/L		0.05	SW846-6010A
Cyanide	U	0.02	mg/L		0.02	SW846-9014
Iron	N	29.5	mg/L		0.2	SW846-6010A
Lithium	JU	0.05	mg/L		0.05	SW846-6010A
Magnesium		10.5	mg/L		0.05	SW846-6010A
Manganese	N	0.42	mg/L		0.05	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel		0.06	mg/L		0.05	SW846-6010A
Potassium	U	2	mg/L		2	SW846-6010A
Selenium	NUW	0.005	mg/L		0.005	SW846-7740
Silver	BNU	0.05	mg/L		0.05	SW846-6010A
Sodium	JN	34.6	mg/L		2	SW846-6010A
Strontium		0.07	mg/L		0.05	SW846-6010A
Thallium	NU	0.2	mg/L		0.2	SW846-6010A
Vanadium	U	0.1	mg/L		0.1	SW846-6010A
Zinc	BU	0.2	mg/L		0.2	SW846-6010A
<b>RADS</b>						
Alpha activity	A	0.25	pCi/L	0.11	5.83	EPA-900.0
Alpha activity		6.3	pCi/L	2.6	3.8	SW846-9310
Beta activity		74.3	pCi/L	3	1.9	SW846-9310
Beta activity		129.49	pCi/L	9.43	7.64	EPA-900.0
Technetium-99		134	pCi/L	13	13	DNT
Technetium-99		117	pCi/L	15.5	17.9	RL-7100
<b>VOA</b>						
1,1-Dichloroethene	J	0.0005	mg/L		0.001	SW846-8021 M
cis-1,2-Dichloroethene		0.003	mg/L		0.001	SW846-8021 M
trans-1,2-Dichloroethene	U	0.001	mg/L		0.001	SW846-8021 M
Trichloroethene		0.24	mg/L		0.001	SW846-8021 M
Vinyl chloride	U	0.001	mg/L		0.001	SW846-8021 M



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**DG-005**

**ERI99-W-DG**

## DATA GAPS

**DG005WA080-45**

Collected: 4/24/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Arsenic	BW	0.01	mg/L		0.005	SW846-7060
Barium	J	0.13	mg/L		0.05	SW846-6010A
Calcium	JN	31	mg/L		0.5	SW846-6010A
Cyanide	U	0.02	mg/L		0.02	SW846-9014
Iron		5.23	mg/L		0.2	SW846-6010A
Magnesium		11.7	mg/L		0.05	SW846-6010A
Manganese		0.27	mg/L		0.05	SW846-6010A
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Sodium	N	33.5	mg/L		2	SW846-6010A
Strontium		0.08	mg/L		0.05	SW846-6010A

**DG005WA080-5**

Collected: 4/24/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	BU	0.2	mg/L		0.2	SW846-6010A
Arsenic	BW	0.01	mg/L		0.005	SW846-7060
Barium		0.13	mg/L		0.05	SW846-6010A
Calcium	N	28.5	mg/L		0.5	SW846-6010A
Cyanide	U	0.02	mg/L		0.02	SW846-9014
Iron	BN	7.29	mg/L		0.2	SW846-6010A
Magnesium		12.3	mg/L		0.05	SW846-6010A
Manganese		0.39	mg/L		0.05	SW846-6010A
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Sodium		33.5	mg/L		2	SW846-6010A
Strontium		0.08	mg/L		0.05	SW846-6010A

**DG-005**  
**ERI99-W-DG**  
**DG005WA085**

**DATA GAPS**

Collected: 4/24/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>RADS</b>						
Alpha activity		7.3	pCi/L	2.7	4	SW846-9310
Beta activity		108	pCi/L	3.5	1.9	SW846-9310
Technetium-99		177	pCi/L	14	13	DNT
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.1	mg/L		0.1	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.1	mg/L		0.1	SW846-8260
1,1-Dichloroethane	U	0.1	mg/L		0.1	SW846-8260
1,1-Dichloroethene	J	0.0006	mg/L		0.001	SW846-8021 M
1,2-Dichloropropane	U	0.1	mg/L		0.1	SW846-8260
1,2-Dimethylbenzene	U	0.1	mg/L		0.1	SW846-8260
2-Butanone	U	0.2	mg/L		0.2	SW846-8260
2-Hexanone	JU	0.2	mg/L		0.2	SW846-8260
4-Methyl-2-pentanone	JU	0.2	mg/L		0.2	SW846-8260
Acetone	U	0.2	mg/L		0.2	SW846-8260
Bromodichloromethane	U	0.1	mg/L		0.1	SW846-8260
Bromoform	U	0.1	mg/L		0.1	SW846-8260
Carbon disulfide	U	0.1	mg/L		0.1	SW846-8260
Chlorobenzene	U	0.1	mg/L		0.1	SW846-8260
Chloroethane	U	0.1	mg/L		0.1	SW846-8260
Chloromethane	JU	0.1	mg/L		0.1	SW846-8260
cis-1,2-Dichloroethene		0.003	mg/L		0.001	SW846-8021 M
cis-1,2-Dichloroethene	U	0.1	mg/L		0.1	SW846-8260
cis-1,3-Dichloropropene	U	0.1	mg/L		0.1	SW846-8260
Dibromochloromethane	U	0.1	mg/L		0.1	SW846-8260
Ethylbenzene	U	0.1	mg/L		0.1	SW846-8260
m,p-Xylene	U	0.2	mg/L		0.2	SW846-8260
Methylene chloride	JU	0.2	mg/L		0.2	SW846-8260
Styrene	U	0.1	mg/L		0.1	SW846-8260
Toluene	U	0.1	mg/L		0.1	SW846-8260
trans-1,2-Dichloroethene	U	0.1	mg/L		0.1	SW846-8260
trans-1,2-Dichloroethene	U	0.001	mg/L		0.001	SW846-8021 M
trans-1,3-Dichloropropene	U	0.1	mg/L		0.1	SW846-8260
Trichloroethene		0.25	mg/L		0.001	SW846-8021 M
Trichloroethene		0.32	mg/L		0.02	SW846-8260
Vinyl chloride	U	0.001	mg/L		0.001	SW846-8021 M

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**DG-005**

**ERI99-W-DG**

**DG005WA090**

Collected: 4/24/1999

Media Type: WG

Sample Type: REG

## DATA GAPS

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	N	0.9	mg/L		0.2	SW846-6010A
Arsenic	*NW	0.009	mg/L		0.005	SW846-7060
Barium	N	0.24	mg/L		0.05	SW846-6010A
Beryllium	BU	0.005	mg/L		0.005	SW846-6010A
Boron	*NU	2	mg/L		2	SW846-6010A
Cadmium	*BNU	0.005	mg/L		0.005	SW846-7131
Calcium	JN	31.6	mg/L		0.5	SW846-6010A
Chromium	BNU	0.05	mg/L		0.05	SW846-6010A
Cobalt	NU	0.01	mg/L		0.01	SW846-6010A
Copper	U	0.05	mg/L		0.05	SW846-6010A
Cyanide	U	0.02	mg/L		0.02	SW846-9014
Iron	N	8.88	mg/L		0.2	SW846-6010A
Lithium	JU	0.05	mg/L		0.05	SW846-6010A
Magnesium		11.9	mg/L		0.05	SW846-6010A
Manganese	N	0.06	mg/L		0.05	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Potassium	U	2	mg/L		2	SW846-6010A
Selenium	NUW	0.005	mg/L		0.005	SW846-7740
Silver	BNU	0.05	mg/L		0.05	SW846-6010A
Sodium	JN	37.4	mg/L		2	SW846-6010A
Strontium		0.08	mg/L		0.05	SW846-6010A
Thallium	NU	0.2	mg/L		0.2	SW846-6010A
Vanadium	U	0.1	mg/L		0.1	SW846-6010A
Zinc	BU	0.2	mg/L		0.2	SW846-6010A
<b>RADS</b>						
Alpha activity	U	3.9	pCi/L	2.9	4.6	SW846-9310
Beta activity		102	pCi/L	3.8	2.3	SW846-9310
Technetium-99		187	pCi/L	15	13	DNT
<b>VOA</b>						
1,1-Dichloroethene	J	0.0008	mg/L		0.001	SW846-8021 M
cis-1,2-Dichloroethene		0.003	mg/L		0.001	SW846-8021 M
trans-1,2-Dichloroethene	U	0.001	mg/L		0.001	SW846-8021 M
Trichloroethene		0.26	mg/L		0.001	SW846-8021 M
Vinyl chloride	U	0.001	mg/L		0.001	SW846-8021 M

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DG-005

ERI99-W-DG

DG005WA090-45

Collected: 4/24/1999

Media Type: WG

Sample Type: REG

DATA GAPS

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Arsenic	BW	0.01	mg/L		0.005	SW846-7060
Barium	J	0.26	mg/L		0.05	SW846-6010A
Calcium	JN	35.7	mg/L		0.5	SW846-6010A
Cyanide	U	0.02	mg/L		0.02	SW846-9014
Iron		1.57	mg/L		0.2	SW846-6010A
Magnesium		12.9	mg/L		0.05	SW846-6010A
Manganese		0.06	mg/L		0.05	SW846-6010A
Sodium	N	37.4	mg/L		2	SW846-6010A
Strontium		0.09	mg/L		0.05	SW846-6010A

DG005WA090-5

Collected: 4/24/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	BU	0.2	mg/L		0.2	SW846-6010A
Arsenic	BW	0.01	mg/L		0.005	SW846-7060
Barium		0.28	mg/L		0.05	SW846-6010A
Calcium	N	32.2	mg/L		0.5	SW846-6010A
Cyanide	U	0.02	mg/L		0.02	SW846-9014
Iron	BN	2.04	mg/L		0.2	SW846-6010A
Magnesium		13.4	mg/L		0.05	SW846-6010A
Manganese		0.07	mg/L		0.05	SW846-6010A
Sodium		36.8	mg/L		2	SW846-6010A
Strontium		0.08	mg/L		0.05	SW846-6010A

DG005WA095

Collected: 4/24/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>RADS</b>						
Alpha activity		6	pCi/L	2.4	3.4	SW846-9310
Beta activity		62.6	pCi/L	2.7	1.8	SW846-9310
Technetium-99		118	pCi/L	13	13	DNT
<b>VOA</b>						
1,1-Dichloroethene	J	0.0009	mg/L		0.001	SW846-8021 M
cis-1,2-Dichloroethene		0.0039	mg/L		0.001	SW846-8021 M
trans-1,2-Dichloroethene	U	0.001	mg/L		0.001	SW846-8021 M
Trichloroethene		0.42	mg/L		0.001	SW846-8021 M
Vinyl chloride	U	0.001	mg/L		0.001	SW846-8021 M

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**DG-005**  
**ERI99-W-DG**  
**DG005WD080**

## DATA GAPS

Collected: 4/24/1999

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	N	0.49	mg/L		0.2	SW846-6010A
Arsenic	*NW	0.01	mg/L		0.005	SW846-7060
Barium	N	0.11	mg/L		0.05	SW846-6010A
Beryllium	BU	0.005	mg/L		0.005	SW846-6010A
Boron	*NU	2	mg/L		2	SW846-6010A
Cadmium	*BNU	0.005	mg/L		0.005	SW846-7131
Calcium	JN	27.7	mg/L		0.5	SW846-6010A
Chromium	BNU	0.05	mg/L		0.05	SW846-6010A
Cobalt	NU	0.01	mg/L		0.01	SW846-6010A
Copper	U	0.05	mg/L		0.05	SW846-6010A
Cyanide	U	0.02	mg/L		0.02	SW846-9014
Iron	N	27.3	mg/L		0.2	SW846-6010A
Lithium	JU	0.05	mg/L		0.05	SW846-6010A
Magnesium		10	mg/L		0.05	SW846-6010A
Manganese	N	0.33	mg/L		0.05	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel		0.05	mg/L		0.05	SW846-6010A
Potassium	U	2	mg/L		2	SW846-6010A
Selenium	NUW	0.005	mg/L		0.005	SW846-7740
Silver	BNU	0.05	mg/L		0.05	SW846-6010A
Sodium	JN	33.3	mg/L		2	SW846-6010A
Strontium		0.07	mg/L		0.05	SW846-6010A
Thallium	NU	0.2	mg/L		0.2	SW846-6010A
Vanadium	U	0.1	mg/L		0.1	SW846-6010A
Zinc	BU	0.2	mg/L		0.2	SW846-6010A
<b>RADS</b>						
Alpha activity		7.3	pCi/L	2.8	4.1	SW846-9310
Beta activity		83.2	pCi/L	3.1	1.9	SW846-9310
Technetium-99		138	pCi/L	13	13	DNT
<b>VOA</b>						
1,1-Dichloroethene	J	0.0005	mg/L		0.001	SW846-8021 M
cis-1,2-Dichloroethene		0.003	mg/L		0.001	SW846-8021 M
trans-1,2-Dichloroethene	U	0.001	mg/L		0.001	SW846-8021 M
Trichloroethene		0.24	mg/L		0.001	SW846-8021 M
Vinyl chloride	U	0.001	mg/L		0.001	SW846-8021 M

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**DG-005**

**ERI99-W-DG**

## DATA GAPS

**DG005WD080-45**

Collected: 4/24/1999

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Arsenic	BW	0.01	mg/L		0.005	SW846-7060
Barium	J	0.12	mg/L		0.05	SW846-6010A
Calcium	JN	31.3	mg/L		0.5	SW846-6010A
Cyanide	U	0.02	mg/L		0.02	SW846-9014
Iron		6.43	mg/L		0.2	SW846-6010A
Magnesium		11.9	mg/L		0.05	SW846-6010A
Manganese		0.3	mg/L		0.05	SW846-6010A
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Sodium	N	34.2	mg/L		2	SW846-6010A
Strontium		0.08	mg/L		0.05	SW846-6010A

**DG005WD080-5**

Collected: 4/24/1999

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	BU	0.2	mg/L		0.2	SW846-6010A
Arsenic	BW	0.01	mg/L		0.005	SW846-7060
Barium		0.13	mg/L		0.05	SW846-6010A
Calcium	N	28.1	mg/L		0.5	SW846-6010A
Cyanide	U	0.02	mg/L		0.02	SW846-9014
Iron	BN	5.42	mg/L		0.2	SW846-6010A
Magnesium		12.2	mg/L		0.05	SW846-6010A
Manganese		0.27	mg/L		0.05	SW846-6010A
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Sodium		32.9	mg/L		2	SW846-6010A
Strontium		0.07	mg/L		0.05	SW846-6010A

## DG-014

## ERI99-W-DGC

## Data Gaps Contingency

## DG014WA035C

Collected: 5/21/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>RADS</b>						
Alpha activity		9.7	pCi/L	5.1	8	SW846-9310
Beta activity		248	pCi/L	6.8	3.6	SW846-9310
Technetium-99		375	pCi/L	19	17	DNT
<b>SVOA</b>						
1,2,4-Trichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,2-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,3-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,4-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
2,4,5-Trichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4,6-Trichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dimethylphenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dinitrotoluene	U	0.01	mg/L		0.01	SW846-8270 M
2,6-Dinitrotoluene	U	0.01	mg/L		0.01	SW846-8270 M
2-Chloronaphthalene	U	0.01	mg/L		0.01	SW846-8270 M
2-Chlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Methylnaphthalene	U	0.01	mg/L		0.01	SW846-8270 M
2-Nitrobenzenamine	U	0.01	mg/L		0.01	SW846-8270 M
2-Nitrophenol	U	0.01	mg/L		0.01	SW846-8270 M
3-Nitrobenzenamine	U	0.01	mg/L		0.01	SW846-8270 M
4-Chloro-3-methylphenol	U	0.01	mg/L		0.01	SW846-8270 M
4-Chlorobenzenamine	U	0.01	mg/L		0.01	SW846-8270 M
4-Nitrobenzenamine	U	0.01	mg/L		0.01	SW846-8270 M
4-Nitrophenol	U	0.01	mg/L		0.01	SW846-8270 M
Acenaphthene	U	0.01	mg/L		0.01	SW846-8270 M
Acenaphthylene	U	0.01	mg/L		0.01	SW846-8270 M
Anthracene	U	0.01	mg/L		0.01	SW846-8270 M
Benz(a)anthracene	U	0.01	mg/L		0.01	SW846-8270 M
Benzo(a)pyrene	U	0.01	mg/L		0.01	SW846-8270 M
Benzo(b)fluoranthene	U	0.01	mg/L		0.01	SW846-8270 M
Benzo(k)fluoranthene	U	0.01	mg/L		0.01	SW846-8270 M
Bis(2-chloroethoxy)methane	U	0.01	mg/L		0.01	SW846-8270 M
Bis(2-ethylhexyl)phthalate	U	0.01	mg/L		0.01	SW846-8270 M
Carbazole	U	0.01	mg/L		0.01	SW846-8270 M
Chrysene	U	0.01	mg/L		0.01	SW846-8270 M
Dibenz(a,h)anthracene	U	0.01	mg/L		0.01	SW846-8270 M
Dibenzofuran	U	0.01	mg/L		0.01	SW846-8270 M
Diethyl phthalate	U	0.01	mg/L		0.01	SW846-8270 M
Dimethyl phthalate	U	0.01	mg/L		0.01	SW846-8270 M
Di-n-butyl phthalate	U	0.01	mg/L		0.01	SW846-8270 M
Di-n-octylphthalate	U	0.01	mg/L		0.01	SW846-8270 M
Fluoranthene	U	0.01	mg/L		0.01	SW846-8270 M
Fluorene	U	0.01	mg/L		0.01	SW846-8270 M
Hexachlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
Hexachlorobutadiene	U	0.01	mg/L		0.01	SW846-8270 M
Hexachlorocyclopentadiene	U	0.01	mg/L		0.01	SW846-8270 M
Hexachloroethane	U	0.01	mg/L		0.01	SW846-8270 M
Indeno(1,2,3-cd)pyrene	U	0.01	mg/L		0.01	SW846-8270 M
Isophorone	U	0.01	mg/L		0.01	SW846-8270 M

**DG-014****ERI99-W-DGC****Data Gaps Contingency**

Naphthalene	U	0.01	mg/L	0.01	SW846-8270 M
Nitrobenzene	U	0.01	mg/L	0.01	SW846-8270 M
N-Nitroso-di-n-propylamine	U	0.01	mg/L	0.01	SW846-8270 M
N-Nitrosodiphenylamine	U	0.01	mg/L	0.01	SW846-8270 M
Pentachlorophenol	U	0.01	mg/L	0.01	SW846-8270 M
Phenanthrene	U	0.01	mg/L	0.01	SW846-8270 M
Phenol	U	0.01	mg/L	0.01	SW846-8270 M
Pyrene	U	0.01	mg/L	0.01	SW846-8270 M
<b>VOA</b>					
1,1-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
cis-1,2-Dichloroethene	J	0.0002	mg/L	0.001	SW846-8021 M
trans-1,2-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
Trichloroethene	J	0.0006	mg/L	0.001	SW846-8021 M
Vinyl chloride	U	0.001	mg/L	0.001	SW846-8021 M

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DG-014

ERI99-W-DGC

Data Gaps Contingency

DG014WA050C

Collected: 5/21/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>RADS</b>						
Alpha activity		27.2	pCi/L	5.6	7.7	SW846-9310
Beta activity		339	pCi/L	6	2.3	SW846-9310
Neptunium-237	A	14.5	pCi/L	10.5	51.7	RL-7124
Plutonium-239/240	A	-0.188	pCi/L	0.42	1.75	RL-7120
Technetium-99		621	pCi/L	24	15	DNT
Thorium-234	A	26.9	pCi/L	38	483	RL-7124
<b>SVOA</b>						
1,2,4-Trichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,2-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,3-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,4-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
2,4,5-Trichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4,6-Trichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dimethylphenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dinitrophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dinitrotoluene	U	0.01	mg/L		0.01	SW846-8270 M
2,6-Dinitrotoluene	U	0.01	mg/L		0.01	SW846-8270 M
2-Chloronaphthalene	U	0.01	mg/L		0.01	SW846-8270 M
2-Chlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Methyl-4,6-dinitrophenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Methylnaphthalene	U	0.01	mg/L		0.01	SW846-8270 M
2-Methylphenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Nitrobenzenamine	U	0.01	mg/L		0.01	SW846-8270 M
2-Nitrophenol	U	0.01	mg/L		0.01	SW846-8270 M
3,3'-Dichlorobenzidine	U	0.01	mg/L		0.01	SW846-8270 M
3-Nitrobenzenamine	U	0.01	mg/L		0.01	SW846-8270 M
4-Bromophenyl phenyl ether	U	0.01	mg/L		0.01	SW846-8270 M
4-Chloro-3-methylphenol	U	0.01	mg/L		0.01	SW846-8270 M
4-Chlorobenzenamine	U	0.01	mg/L		0.01	SW846-8270 M
4-Chlorophenyl phenyl ether	U	0.01	mg/L		0.01	SW846-8270 M
4-Methylphenol	U	0.01	mg/L		0.01	SW846-8270 M
4-Nitrobenzenamine	U	0.01	mg/L		0.01	SW846-8270 M
4-Nitrophenol	U	0.01	mg/L		0.01	SW846-8270 M
Acenaphthene	U	0.01	mg/L		0.01	SW846-8270 M
Acenaphthylene	U	0.01	mg/L		0.01	SW846-8270 M
Anthracene	U	0.01	mg/L		0.01	SW846-8270 M
Benz(a)anthracene	U	0.01	mg/L		0.01	SW846-8270 M
Benzo(a)pyrene	U	0.01	mg/L		0.01	SW846-8270 M
Benzo(b)fluoranthene	U	0.01	mg/L		0.01	SW846-8270 M
Benzo(ghi)perylene	U	0.01	mg/L		0.01	SW846-8270 M
Benzo(k)fluoranthene	U	0.01	mg/L		0.01	SW846-8270 M
Bis(2-chloroethoxy)methane	U	0.01	mg/L		0.01	SW846-8270 M
Bis(2-chloroethyl) ether	U	0.01	mg/L		0.01	SW846-8270 M
Bis(2-chloroisopropyl) ether	U	0.01	mg/L		0.01	SW846-8270 M
Bis(2-ethylhexyl)phthalate	U	0.01	mg/L		0.01	SW846-8270 M
Butyl benzyl phthalate	U	0.01	mg/L		0.01	SW846-8270 M
Carbazole	U	0.01	mg/L		0.01	SW846-8270 M
Chrysene	U	0.01	mg/L		0.01	SW846-8270 M

## DG-014

## ERI99-W-DGC

## Data Gaps Contingency

Dibenz(a,h)anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Dibenzofuran	U	0.01	mg/L	0.01	SW846-8270 M
Diethyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Dimethyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Di-n-butyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Di-n-octylphthalate	U	0.01	mg/L	0.01	SW846-8270 M
Fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Fluorene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorobenzene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorobutadiene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorocyclopentadiene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachloroethane	U	0.01	mg/L	0.01	SW846-8270 M
Indeno(1,2,3-cd)pyrene	U	0.01	mg/L	0.01	SW846-8270 M
Isophorone	U	0.01	mg/L	0.01	SW846-8270 M
Naphthalene	U	0.01	mg/L	0.01	SW846-8270 M
Nitrobenzene	U	0.01	mg/L	0.01	SW846-8270 M
N-Nitroso-di-n-propylamine	U	0.01	mg/L	0.01	SW846-8270 M
N-Nitrosodiphenylamine	U	0.01	mg/L	0.01	SW846-8270 M
Pentachlorophenol	U	0.01	mg/L	0.01	SW846-8270 M
Phenanthrene	U	0.01	mg/L	0.01	SW846-8270 M
Phenol	U	0.01	mg/L	0.01	SW846-8270 M
Pyrene	U	0.01	mg/L	0.01	SW846-8270 M
<b>VOA</b>					
1,1-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
cis-1,2-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
trans-1,2-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
Trichloroethene	J	0.0005	mg/L	0.001	SW846-8021 M
Vinyl chloride	U	0.001	mg/L	0.001	SW846-8021 M

## DG-014

## ERI99-W-DGC

## Data Gaps Contingency

## DG014WA055C

Collected: 5/21/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>RADS</b>						
Alpha activity	U	3	pCi/L	2.7	4.4	SW846-9310
Beta activity		120	pCi/L	4.2	2.4	SW846-9310
Neptunium-237	A	18.6	pCi/L	26.3	53.8	RL-7124
Plutonium-239/240	A	-0.472	pCi/L	0.276	1.73	RL-7120
Technetium-99		189	pCi/L	12	13	DNT
Thorium-234	A	101	pCi/L	142	551	RL-7124
<b>SVOA</b>						
1,2,4-Trichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,2-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,3-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,4-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
2,4,5-Trichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4,6-Trichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dimethylphenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dinitrotoluene	U	0.01	mg/L		0.01	SW846-8270 M
2,6-Dinitrotoluene	U	0.01	mg/L		0.01	SW846-8270 M
2-Chloronaphthalene	U	0.01	mg/L		0.01	SW846-8270 M
2-Chlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Methylnaphthalene	U	0.01	mg/L		0.01	SW846-8270 M
2-Nitrobenzenamine	U	0.01	mg/L		0.01	SW846-8270 M
2-Nitrophenol	U	0.01	mg/L		0.01	SW846-8270 M
3-Nitrobenzenamine	U	0.01	mg/L		0.01	SW846-8270 M
4-Chloro-3-methylphenol	U	0.01	mg/L		0.01	SW846-8270 M
4-Chlorobenzenamine	U	0.01	mg/L		0.01	SW846-8270 M
4-Nitrobenzenamine	U	0.01	mg/L		0.01	SW846-8270 M
4-Nitrophenol	U	0.01	mg/L		0.01	SW846-8270 M
Acenaphthene	U	0.01	mg/L		0.01	SW846-8270 M
Acenaphthylene	U	0.01	mg/L		0.01	SW846-8270 M
Anthracene	U	0.01	mg/L		0.01	SW846-8270 M
Benz(a)anthracene	U	0.01	mg/L		0.01	SW846-8270 M
Benzo(a)pyrene	U	0.01	mg/L		0.01	SW846-8270 M
Benzo(b)fluoranthene	U	0.01	mg/L		0.01	SW846-8270 M
Benzo(k)fluoranthene	U	0.01	mg/L		0.01	SW846-8270 M
Bis(2-chloroethoxy)methane	U	0.01	mg/L		0.01	SW846-8270 M
Bis(2-ethylhexyl)phthalate	U	0.01	mg/L		0.01	SW846-8270 M
Carbazole	U	0.01	mg/L		0.01	SW846-8270 M
Chrysene	U	0.01	mg/L		0.01	SW846-8270 M
Dibenz(a,h)anthracene	U	0.01	mg/L		0.01	SW846-8270 M
Dibenzofuran	U	0.01	mg/L		0.01	SW846-8270 M
Diethyl phthalate	U	0.01	mg/L		0.01	SW846-8270 M
Dimethyl phthalate	U	0.01	mg/L		0.01	SW846-8270 M
Di-n-butyl phthalate	U	0.01	mg/L		0.01	SW846-8270 M
Di-n-octylphthalate	U	0.01	mg/L		0.01	SW846-8270 M
Fluoranthene	U	0.01	mg/L		0.01	SW846-8270 M
Fluorene	U	0.01	mg/L		0.01	SW846-8270 M
Hexachlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
Hexachlorobutadiene	U	0.01	mg/L		0.01	SW846-8270 M
Hexachlorocyclopentadiene	U	0.01	mg/L		0.01	SW846-8270 M

**DG-014****ERI99-W-DGC****Data Gaps Contingency**

Hexachloroethane	U	0.01	mg/L	0.01	SW846-8270 M
Indeno(1,2,3-cd)pyrene	U	0.01	mg/L	0.01	SW846-8270 M
Isophorone	U	0.01	mg/L	0.01	SW846-8270 M
Naphthalene	U	0.01	mg/L	0.01	SW846-8270 M
Nitrobenzene	U	0.01	mg/L	0.01	SW846-8270 M
N-Nitroso-di-n-propylamine	U	0.01	mg/L	0.01	SW846-8270 M
N-Nitrosodiphenylamine	U	0.01	mg/L	0.01	SW846-8270 M
Pentachlorophenol	U	0.01	mg/L	0.01	SW846-8270 M
Phenanthrene	U	0.01	mg/L	0.01	SW846-8270 M
Phenol	U	0.01	mg/L	0.01	SW846-8270 M
Pyrene	U	0.01	mg/L	0.01	SW846-8270 M
<b>VOA</b>					
1,1-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
cis-1,2-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
trans-1,2-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
Trichloroethene	J	0.00029	mg/L	0.001	SW846-8021 M
Vinyl chloride	U	0.001	mg/L	0.001	SW846-8021 M

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## DG-014

## ERI99-W-DGC

## Data Gaps Contingency

## DG014WA060C

Collected: 5/21/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>RADS</b>						
Alpha activity	U	1	pCi/L	2.1	3.6	SW846-9310
Beta activity		109	pCi/L	4	2.4	SW846-9310
Neptunium-237	A	0.0377	pCi/L	0.0532	48.1	RL-7124
Plutonium-239/240	A	0.076	pCi/L	0.442	1.76	RL-7120
Technetium-99		151	pCi/L	12	13	DNT
Thorium-234	A	67.8	pCi/L	65.6	560	RL-7124
<b>SVOA</b>						
1,2,4-Trichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,2-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,3-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,4-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
2,4,5-Trichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4,6-Trichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dimethylphenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dinitrotoluene	U	0.01	mg/L		0.01	SW846-8270 M
2,6-Dinitrotoluene	U	0.01	mg/L		0.01	SW846-8270 M
2-Chloronaphthalene	U	0.01	mg/L		0.01	SW846-8270 M
2-Chlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Methylnaphthalene	U	0.01	mg/L		0.01	SW846-8270 M
2-Nitrobenzenamine	U	0.01	mg/L		0.01	SW846-8270 M
2-Nitrophenol	U	0.01	mg/L		0.01	SW846-8270 M
3-Nitrobenzenamine	U	0.01	mg/L		0.01	SW846-8270 M
4-Chloro-3-methylphenol	U	0.01	mg/L		0.01	SW846-8270 M
4-Chlorobenzenamine	U	0.01	mg/L		0.01	SW846-8270 M
4-Nitrobenzenamine	U	0.01	mg/L		0.01	SW846-8270 M
4-Nitrophenol	U	0.01	mg/L		0.01	SW846-8270 M
Acenaphthene	U	0.01	mg/L		0.01	SW846-8270 M
Acenaphthylene	U	0.01	mg/L		0.01	SW846-8270 M
Anthracene	U	0.01	mg/L		0.01	SW846-8270 M
Benz(a)anthracene	U	0.01	mg/L		0.01	SW846-8270 M
Benzo(a)pyrene	U	0.01	mg/L		0.01	SW846-8270 M
Benzo(b)fluoranthene	U	0.01	mg/L		0.01	SW846-8270 M
Benzo(k)fluoranthene	U	0.01	mg/L		0.01	SW846-8270 M
Bis(2-chloroethoxy)methane	U	0.01	mg/L		0.01	SW846-8270 M
Bis(2-ethylhexyl)phthalate	U	0.01	mg/L		0.01	SW846-8270 M
Carbazole	U	0.01	mg/L		0.01	SW846-8270 M
Chrysene	U	0.01	mg/L		0.01	SW846-8270 M
Dibenz(a,h)anthracene	U	0.01	mg/L		0.01	SW846-8270 M
Dibenzofuran	U	0.01	mg/L		0.01	SW846-8270 M
Diethyl phthalate	U	0.01	mg/L		0.01	SW846-8270 M
Dimethyl phthalate	U	0.01	mg/L		0.01	SW846-8270 M
Di-n-butyl phthalate	U	0.01	mg/L		0.01	SW846-8270 M
Di-n-octylphthalate	U	0.01	mg/L		0.01	SW846-8270 M
Fluoranthene	U	0.01	mg/L		0.01	SW846-8270 M
Fluorene	U	0.01	mg/L		0.01	SW846-8270 M
Hexachlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
Hexachlorobutadiene	U	0.01	mg/L		0.01	SW846-8270 M
Hexachlorocyclopentadiene	U	0.01	mg/L		0.01	SW846-8270 M

**DG-014****ERI99-W-DGC****Data Gaps Contingency**

Hexachloroethane	U	0.01	mg/L	0.01	SW846-8270 M
Indeno(1,2,3-cd)pyrene	U	0.01	mg/L	0.01	SW846-8270 M
Isophorone	U	0.01	mg/L	0.01	SW846-8270 M
Naphthalene	U	0.01	mg/L	0.01	SW846-8270 M
Nitrobenzene	U	0.01	mg/L	0.01	SW846-8270 M
N-Nitroso-di-n-propylamine	U	0.01	mg/L	0.01	SW846-8270 M
N-Nitrosodiphenylamine	U	0.01	mg/L	0.01	SW846-8270 M
Pentachlorophenol	U	0.01	mg/L	0.01	SW846-8270 M
Phenanthrene	U	0.01	mg/L	0.01	SW846-8270 M
Phenol	U	0.01	mg/L	0.01	SW846-8270 M
Pyrene	U	0.01	mg/L	0.01	SW846-8270 M
<b>VOA</b>					
1,1-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
cis-1,2-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
trans-1,2-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
Trichloroethene	J	0.00023	mg/L	0.001	SW846-8021 M
Vinyl chloride	U	0.001	mg/L	0.001	SW846-8021 M

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## DG-014

## ERI99-W-DGC

## Data Gaps Contingency

## DG014WA065C

Collected: 5/22/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>RADS</b>						
Alpha activity		2.3	pCi/L	1.4	2.1	SW846-9310
Beta activity		26.8	pCi/L	1.9	1.8	SW846-9310
Technetium-99		40	pCi/L	10	15	DNT
<b>SVOA</b>						
1,2,4-Trichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,2-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,3-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,4-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
2,4,5-Trichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4,6-Trichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dimethylphenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dinitrotoluene	U	0.01	mg/L		0.01	SW846-8270 M
2,6-Dinitrotoluene	U	0.01	mg/L		0.01	SW846-8270 M
2-Chloronaphthalene	U	0.01	mg/L		0.01	SW846-8270 M
2-Chlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Methyl-4,6-dinitrophenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Methylnaphthalene	U	0.01	mg/L		0.01	SW846-8270 M
2-Methylphenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Nitrobenzenamine	U	0.01	mg/L		0.01	SW846-8270 M
2-Nitrophenol	U	0.01	mg/L		0.01	SW846-8270 M
3,3'-Dichlorobenzidine	U	0.01	mg/L		0.01	SW846-8270 M
3-Nitrobenzenamine	U	0.01	mg/L		0.01	SW846-8270 M
4-Bromophenyl phenyl ether	U	0.01	mg/L		0.01	SW846-8270 M
4-Chloro-3-methylphenol	U	0.01	mg/L		0.01	SW846-8270 M
4-Chlorobenzenamine	U	0.01	mg/L		0.01	SW846-8270 M
4-Chlorophenyl phenyl ether	U	0.01	mg/L		0.01	SW846-8270 M
4-Methylphenol	U	0.01	mg/L		0.01	SW846-8270 M
4-Nitrobenzenamine	U	0.01	mg/L		0.01	SW846-8270 M
4-Nitrophenol	U	0.01	mg/L		0.01	SW846-8270 M
Acenaphthene	U	0.01	mg/L		0.01	SW846-8270 M
Acenaphthylene	U	0.01	mg/L		0.01	SW846-8270 M
Anthracene	U	0.01	mg/L		0.01	SW846-8270 M
Benz(a)anthracene	U	0.01	mg/L		0.01	SW846-8270 M
Benzo(a)pyrene	U	0.01	mg/L		0.01	SW846-8270 M
Benzo(b)fluoranthene	U	0.01	mg/L		0.01	SW846-8270 M
Benzo(ghi)perylene	U	0.01	mg/L		0.01	SW846-8270 M
Benzo(k)fluoranthene	U	0.01	mg/L		0.01	SW846-8270 M
Bis(2-chloroethoxy)methane	U	0.01	mg/L		0.01	SW846-8270 M
Bis(2-chloroethyl) ether	U	0.01	mg/L		0.01	SW846-8270 M
Bis(2-chloroisopropyl) ether	U	0.01	mg/L		0.01	SW846-8270 M
Bis(2-ethylhexyl)phthalate	U	0.01	mg/L		0.01	SW846-8270 M
Carbazole	U	0.01	mg/L		0.01	SW846-8270 M
Chrysene	U	0.01	mg/L		0.01	SW846-8270 M
Dibenz(a,h)anthracene	U	0.01	mg/L		0.01	SW846-8270 M
Dibenzofuran	U	0.01	mg/L		0.01	SW846-8270 M
Diethyl phthalate	U	0.01	mg/L		0.01	SW846-8270 M
Dimethyl phthalate	U	0.01	mg/L		0.01	SW846-8270 M
Di-n-butyl phthalate	U	0.01	mg/L		0.01	SW846-8270 M

**DG-014****ERI99-W-DGC****Data Gaps Contingency**

Di-n-octylphthalate	U	0.01	mg/L	0.01	SW846-8270 M
Fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Fluorene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorobenzene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorobutadiene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorocyclopentadiene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachloroethane	U	0.01	mg/L	0.01	SW846-8270 M
Indeno(1,2,3-cd)pyrene	U	0.01	mg/L	0.01	SW846-8270 M
Isophorone	U	0.01	mg/L	0.01	SW846-8270 M
Naphthalene	U	0.01	mg/L	0.01	SW846-8270 M
Nitrobenzene	U	0.01	mg/L	0.01	SW846-8270 M
N-Nitroso-di-n-propylamine	U	0.01	mg/L	0.01	SW846-8270 M
N-Nitrosodiphenylamine	U	0.01	mg/L	0.01	SW846-8270 M
Pentachlorophenol	U	0.01	mg/L	0.01	SW846-8270 M
Phenanthrene	U	0.01	mg/L	0.01	SW846-8270 M
Phenol	U	0.01	mg/L	0.01	SW846-8270 M
Pyrene	U	0.01	mg/L	0.01	SW846-8270 M
<b>VOA</b>					
1,1-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
cis-1,2-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
trans-1,2-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
Trichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
Vinyl chloride	U	0.001	mg/L	0.001	SW846-8021 M

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DG-014

ERI99-W-DGC

Data Gaps Contingency

DG014WA070C

Collected: 5/22/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>RADS</b>						
Alpha activity		1.52	pCi/L	0.98	1.5	SW846-9310
Beta activity		13.3	pCi/L	1.5	1.8	SW846-9310
Technetium-99		25	pCi/L	9.9	15	DNT
<b>SVOA</b>						
1,2,4-Trichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,2-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,3-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,4-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
2,4,5-Trichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4,6-Trichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dimethylphenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dinitrotoluene	U	0.01	mg/L		0.01	SW846-8270 M
2,6-Dinitrotoluene	U	0.01	mg/L		0.01	SW846-8270 M
2-Chloronaphthalene	U	0.01	mg/L		0.01	SW846-8270 M
2-Chlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Methyl-4,6-dinitrophenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Methylnaphthalene	U	0.01	mg/L		0.01	SW846-8270 M
2-Methylphenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Nitrobenzenamine	U	0.01	mg/L		0.01	SW846-8270 M
2-Nitrophenol	U	0.01	mg/L		0.01	SW846-8270 M
3,3'-Dichlorobenzidine	U	0.01	mg/L		0.01	SW846-8270 M
3-Nitrobenzenamine	U	0.01	mg/L		0.01	SW846-8270 M
4-Bromophenyl phenyl ether	U	0.01	mg/L		0.01	SW846-8270 M
4-Chloro-3-methylphenol	U	0.01	mg/L		0.01	SW846-8270 M
4-Chlorobenzenamine	U	0.01	mg/L		0.01	SW846-8270 M
4-Chlorophenyl phenyl ether	U	0.01	mg/L		0.01	SW846-8270 M
4-Methylphenol	U	0.01	mg/L		0.01	SW846-8270 M
4-Nitrobenzenamine	U	0.01	mg/L		0.01	SW846-8270 M
4-Nitrophenol	U	0.01	mg/L		0.01	SW846-8270 M
Acenaphthene	U	0.01	mg/L		0.01	SW846-8270 M
Acenaphthylene	U	0.01	mg/L		0.01	SW846-8270 M
Anthracene	U	0.01	mg/L		0.01	SW846-8270 M
Benz(a)anthracene	U	0.01	mg/L		0.01	SW846-8270 M
Benzo(a)pyrene	U	0.01	mg/L		0.01	SW846-8270 M
Benzo(b)fluoranthene	U	0.01	mg/L		0.01	SW846-8270 M
Benzo(ghi)perylene	U	0.01	mg/L		0.01	SW846-8270 M
Benzo(k)fluoranthene	U	0.01	mg/L		0.01	SW846-8270 M
Bis(2-chloroethoxy)methane	U	0.01	mg/L		0.01	SW846-8270 M
Bis(2-chloroethyl) ether	U	0.01	mg/L		0.01	SW846-8270 M
Bis(2-chloroisopropyl) ether	U	0.01	mg/L		0.01	SW846-8270 M
Bis(2-ethylhexyl)phthalate	U	0.01	mg/L		0.01	SW846-8270 M
Carbazole	U	0.01	mg/L		0.01	SW846-8270 M
Chrysene	U	0.01	mg/L		0.01	SW846-8270 M
Dibenz(a,h)anthracene	U	0.01	mg/L		0.01	SW846-8270 M
Dibenzofuran	U	0.01	mg/L		0.01	SW846-8270 M
Diethyl phthalate	U	0.01	mg/L		0.01	SW846-8270 M
Dimethyl phthalate	U	0.01	mg/L		0.01	SW846-8270 M
Di-n-butyl phthalate	U	0.01	mg/L		0.01	SW846-8270 M

\*QUALIFIER Codes See attached List.

**DG-014****ERI99-W-DGC****Data Gaps Contingency**

Di-n-octylphthalate	U	0.01	mg/L	0.01	SW846-8270 M
Fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Fluorene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorobenzene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorobutadiene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorocyclopentadiene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachloroethane	U	0.01	mg/L	0.01	SW846-8270 M
Indeno(1,2,3-cd)pyrene	U	0.01	mg/L	0.01	SW846-8270 M
Isophorone	U	0.01	mg/L	0.01	SW846-8270 M
Naphthalene	U	0.01	mg/L	0.01	SW846-8270 M
Nitrobenzene	U	0.01	mg/L	0.01	SW846-8270 M
N-Nitroso-di-n-propylamine	U	0.01	mg/L	0.01	SW846-8270 M
N-Nitrosodiphenylamine	U	0.01	mg/L	0.01	SW846-8270 M
Pentachlorophenol	U	0.01	mg/L	0.01	SW846-8270 M
Phenanthrene	U	0.01	mg/L	0.01	SW846-8270 M
Phenol	U	0.01	mg/L	0.01	SW846-8270 M
Pyrene	U	0.01	mg/L	0.01	SW846-8270 M
<b>VOA</b>					
1,1-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
cis-1,2-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
trans-1,2-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
Trichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
Vinyl chloride	U	0.001	mg/L	0.001	SW846-8021 M

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## DG-014

## ERI99-W-DGC

## Data Gaps Contingency

## DG014WA080C

Collected: 5/22/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>RADS</b>						
Alpha activity		2.9	pCi/L	1.2	1.6	SW846-9310
Beta activity		6.7	pCi/L	1.3	1.7	SW846-9310
Technetium-99	U	8.4	pCi/L	9.2	15	DNT
<b>SVOA</b>						
1,2,4-Trichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,2-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,3-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,4-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
2,4,5-Trichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4,6-Trichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dimethylphenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dinitrotoluene	U	0.01	mg/L		0.01	SW846-8270 M
2,6-Dinitrotoluene	U	0.01	mg/L		0.01	SW846-8270 M
2-Chloronaphthalene	U	0.01	mg/L		0.01	SW846-8270 M
2-Chlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Methyl-4,6-dinitrophenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Methylnaphthalene	U	0.01	mg/L		0.01	SW846-8270 M
2-Methylphenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Nitrobenzenamine	U	0.01	mg/L		0.01	SW846-8270 M
2-Nitrophenol	U	0.01	mg/L		0.01	SW846-8270 M
3,3'-Dichlorobenzidine	U	0.01	mg/L		0.01	SW846-8270 M
3-Nitrobenzenamine	U	0.01	mg/L		0.01	SW846-8270 M
4-Bromophenyl phenyl ether	U	0.01	mg/L		0.01	SW846-8270 M
4-Chloro-3-methylphenol	U	0.01	mg/L		0.01	SW846-8270 M
4-Chlorobenzenamine	U	0.01	mg/L		0.01	SW846-8270 M
4-Chlorophenyl phenyl ether	U	0.01	mg/L		0.01	SW846-8270 M
4-Methylphenol	U	0.01	mg/L		0.01	SW846-8270 M
4-Nitrobenzenamine	U	0.01	mg/L		0.01	SW846-8270 M
4-Nitrophenol	U	0.01	mg/L		0.01	SW846-8270 M
Acenaphthene	U	0.01	mg/L		0.01	SW846-8270 M
Acenaphthylene	U	0.01	mg/L		0.01	SW846-8270 M
Anthracene	U	0.01	mg/L		0.01	SW846-8270 M
Benz(a)anthracene	U	0.01	mg/L		0.01	SW846-8270 M
Benzo(a)pyrene	U	0.01	mg/L		0.01	SW846-8270 M
Benzo(b)fluoranthene	U	0.01	mg/L		0.01	SW846-8270 M
Benzo(ghi)perylene	U	0.01	mg/L		0.01	SW846-8270 M
Benzo(k)fluoranthene	U	0.01	mg/L		0.01	SW846-8270 M
Bis(2-chloroethoxy)methane	U	0.01	mg/L		0.01	SW846-8270 M
Bis(2-chloroethyl) ether	U	0.01	mg/L		0.01	SW846-8270 M
Bis(2-chloroisopropyl) ether	U	0.01	mg/L		0.01	SW846-8270 M
Bis(2-ethylhexyl)phthalate	U	0.01	mg/L		0.01	SW846-8270 M
Carbazole	U	0.01	mg/L		0.01	SW846-8270 M
Chrysene	U	0.01	mg/L		0.01	SW846-8270 M
Dibenz(a,h)anthracene	U	0.01	mg/L		0.01	SW846-8270 M
Dibenzofuran	U	0.01	mg/L		0.01	SW846-8270 M
Diethyl phthalate	U	0.01	mg/L		0.01	SW846-8270 M
Dimethyl phthalate	U	0.01	mg/L		0.01	SW846-8270 M
Di-n-butyl phthalate	U	0.01	mg/L		0.01	SW846-8270 M

**DG-014****ERI99-W-DGC****Data Gaps Contingency**

Di-n-octylphthalate	U	0.01	mg/L	0.01	SW846-8270 M
Fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Fluorene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorobenzene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorobutadiene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorocyclopentadiene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachloroethane	U	0.01	mg/L	0.01	SW846-8270 M
Indeno(1,2,3-cd)pyrene	U	0.01	mg/L	0.01	SW846-8270 M
Isophorone	U	0.01	mg/L	0.01	SW846-8270 M
Naphthalene	U	0.01	mg/L	0.01	SW846-8270 M
Nitrobenzene	U	0.01	mg/L	0.01	SW846-8270 M
N-Nitroso-di-n-propylamine	U	0.01	mg/L	0.01	SW846-8270 M
N-Nitrosodiphenylamine	U	0.01	mg/L	0.01	SW846-8270 M
Pentachlorophenol	U	0.01	mg/L	0.01	SW846-8270 M
Phenanthrene	U	0.01	mg/L	0.01	SW846-8270 M
Phenol	U	0.01	mg/L	0.01	SW846-8270 M
Pyrene	U	0.01	mg/L	0.01	SW846-8270 M
<b>VOA</b>					
1,1-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
cis-1,2-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
trans-1,2-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
Trichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
Vinyl chloride	U	0.001	mg/L	0.001	SW846-8021 M

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DG-014

ERI99-W-DGC

Data Gaps Contingency

DG014WA135C

Collected: 5/22/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>RADS</b>						
Alpha activity		2.19	pCi/L	0.93	1.2	SW846-9310
Alpha activity		32.29	pCi/L	6.19	2.87	EPA-900.0
Beta activity		49.46	pCi/L	5.28	6.52	EPA-900.0
Beta activity		3.7	pCi/L	1.2	1.7	SW846-9310
Technetium-99	A	-1.72	pCi/L	0	17.5	RL-7100
Technetium-99	U	2	pCi/L	8.9	15	DNT
<b>SVOA</b>						
1,2,4-Trichlorobenzene	U	0.005	mg/L		0.005	SW846-8270
1,2,4-Trichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8270
1,2-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,3-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8270
1,3-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,4-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8270
2,4,5-Trichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4,5-Trichlorophenol	U	0.005	mg/L		0.005	SW846-8270
2,4,6-Trichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4,6-Trichlorophenol	U	0.005	mg/L		0.005	SW846-8270
2,4-Dichlorophenol	U	0.005	mg/L		0.005	SW846-8270
2,4-Dichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dimethylphenol	U	0.005	mg/L		0.005	SW846-8270
2,4-Dimethylphenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dinitrophenol	U	0.005	mg/L		0.005	SW846-8270
2,4-Dinitrotoluene	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dinitrotoluene	U	0.005	mg/L		0.005	SW846-8270
2,6-Dinitrotoluene	U	0.005	mg/L		0.005	SW846-8270
2,6-Dinitrotoluene	U	0.01	mg/L		0.01	SW846-8270 M
2-Chloronaphthalene	U	0.01	mg/L		0.01	SW846-8270 M
2-Chloronaphthalene	U	0.005	mg/L		0.005	SW846-8270
2-Chlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Chlorophenol	U	0.005	mg/L		0.005	SW846-8270
2-Methyl-4,6-dinitrophenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Methyl-4,6-dinitrophenol	U	0.005	mg/L		0.005	SW846-8270
2-Methylnaphthalene	U	0.005	mg/L		0.005	SW846-8270
2-Methylnaphthalene	U	0.01	mg/L		0.01	SW846-8270 M
2-Methylphenol	U	0.005	mg/L		0.005	SW846-8270
2-Methylphenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Nitrobenzenamine	U	0.01	mg/L		0.01	SW846-8270 M
2-Nitrobenzenamine	U	0.005	mg/L		0.005	SW846-8270
2-Nitrophenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Nitrophenol	U	0.005	mg/L		0.005	SW846-8270
3,3'-Dichlorobenzidine	U	0.01	mg/L		0.01	SW846-8270 M
3,3'-Dichlorobenzidine	U	0.005	mg/L		0.005	SW846-8270
3-Nitrobenzenamine	U	0.005	mg/L		0.005	SW846-8270
3-Nitrobenzenamine	U	0.01	mg/L		0.01	SW846-8270 M
4-Bromophenyl phenyl ether	U	0.005	mg/L		0.005	SW846-8270
4-Bromophenyl phenyl ether	U	0.01	mg/L		0.01	SW846-8270 M
4-Chloro-3-methylphenol	U	0.01	mg/L		0.01	SW846-8270 M

## DG-014

## ERI99-W-DGC

## Data Gaps Contingency

4-Chloro-3-methylphenol	U	0.005	mg/L	0.005	SW846-8270
4-Chlorobenzeneamine	U	0.005	mg/L	0.005	SW846-8270
4-Chlorobenzeneamine	U	0.01	mg/L	0.01	SW846-8270 M
4-Chlorophenyl phenyl ether	U	0.01	mg/L	0.01	SW846-8270 M
4-Chlorophenyl phenyl ether	U	0.005	mg/L	0.005	SW846-8270
4-Methylphenol	JUY	0.005	mg/L	0.005	SW846-8270
4-Methylphenol	U	0.01	mg/L	0.01	SW846-8270 M
4-Nitrobenzeneamine	U	0.01	mg/L	0.01	SW846-8270 M
4-Nitrobenzeneamine	U	0.005	mg/L	0.005	SW846-8270
4-Nitrophenol	U	0.01	mg/L	0.01	SW846-8270 M
4-Nitrophenol	U	0.005	mg/L	0.005	SW846-8270
Acenaphthene	U	0.01	mg/L	0.01	SW846-8270 M
Acenaphthene	U	0.005	mg/L	0.005	SW846-8270
Acenaphthylene	U	0.005	mg/L	0.005	SW846-8270
Acenaphthylene	U	0.01	mg/L	0.01	SW846-8270 M
Anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Anthracene	U	0.005	mg/L	0.005	SW846-8270
Benz(a)anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Benz(a)anthracene	U	0.005	mg/L	0.005	SW846-8270
Benzo(a)pyrene	U	0.005	mg/L	0.005	SW846-8270
Benzo(a)pyrene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(b)fluoranthene	U	0.005	mg/L	0.005	SW846-8270
Benzo(b)fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(ghi)perylene	U	0.005	mg/L	0.005	SW846-8270
Benzo(ghi)perylene	U	0.01	mg/L	0.01	SW846-8270 M
Benzo(k)fluoranthene	U	0.005	mg/L	0.005	SW846-8270
Benzo(k)fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroethoxy)methane	U	0.005	mg/L	0.005	SW846-8270
Bis(2-chloroethoxy)methane	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroethyl) ether	U	0.005	mg/L	0.005	SW846-8270
Bis(2-chloroethyl) ether	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroisopropyl) ether	U	0.01	mg/L	0.01	SW846-8270 M
Bis(2-chloroisopropyl) ether	U	0.005	mg/L	0.005	SW846-8270
Bis(2-ethylhexyl)phthalate	U	0.005	mg/L	0.005	SW846-8270
Bis(2-ethylhexyl)phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Butyl benzyl phthalate	U	0.005	mg/L	0.005	SW846-8270
Carbazole	U	0.005	mg/L	0.005	SW846-8270
Carbazole	U	0.01	mg/L	0.01	SW846-8270 M
Chrysene	U	0.01	mg/L	0.01	SW846-8270 M
Chrysene	U	0.005	mg/L	0.005	SW846-8270
Dibenz(a,h)anthracene	U	0.01	mg/L	0.01	SW846-8270 M
Dibenz(a,h)anthracene	U	0.005	mg/L	0.005	SW846-8270
Dibenzofuran	U	0.01	mg/L	0.01	SW846-8270 M
Dibenzofuran	U	0.005	mg/L	0.005	SW846-8270
Diethyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Diethyl phthalate	U	0.005	mg/L	0.005	SW846-8270
Dimethyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Dimethyl phthalate	U	0.005	mg/L	0.005	SW846-8270
Di-n-butyl phthalate	U	0.005	mg/L	0.005	SW846-8270
Di-n-butyl phthalate	U	0.01	mg/L	0.01	SW846-8270 M
Di-n-octylphthalate	U	0.01	mg/L	0.01	SW846-8270 M
Di-n-octylphthalate	U	0.005	mg/L	0.005	SW846-8270
Fluoranthene	U	0.005	mg/L	0.005	SW846-8270
Fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Fluorene	U	0.01	mg/L	0.01	SW846-8270 M

## DG-014

## ERI99-W-DGC

## Data Gaps Contingency

Fluorene	U	0.005	mg/L	0.005	SW846-8270
Hexachlorobenzene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorobenzene	U	0.005	mg/L	0.005	SW846-8270
Hexachlorobutadiene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorobutadiene	U	0.005	mg/L	0.005	SW846-8270
Hexachlorocyclopentadiene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorocyclopentadiene	U	0.005	mg/L	0.005	SW846-8270
Hexachloroethane	U	0.005	mg/L	0.005	SW846-8270
Hexachloroethane	U	0.01	mg/L	0.01	SW846-8270 M
Indeno(1,2,3-cd)pyrene	U	0.01	mg/L	0.01	SW846-8270 M
Indeno(1,2,3-cd)pyrene	U	0.005	mg/L	0.005	SW846-8270
Isophorone	U	0.01	mg/L	0.01	SW846-8270 M
Isophorone	U	0.005	mg/L	0.005	SW846-8270
Naphthalene	U	0.01	mg/L	0.01	SW846-8270 M
Naphthalene	U	0.005	mg/L	0.005	SW846-8270
Nitrobenzene	U	0.005	mg/L	0.005	SW846-8270
Nitrobenzene	U	0.01	mg/L	0.01	SW846-8270 M
N-Nitroso-di-n-propylamine	U	0.01	mg/L	0.01	SW846-8270 M
N-Nitroso-di-n-propylamine	U	0.005	mg/L	0.005	SW846-8270
N-Nitrosodiphenylamine	U	0.005	mg/L	0.005	SW846-8270
N-Nitrosodiphenylamine	U	0.01	mg/L	0.01	SW846-8270 M
Pentachlorophenol	U	0.01	mg/L	0.01	SW846-8270 M
Pentachlorophenol	U	0.005	mg/L	0.005	SW846-8270
Phenanthrene	U	0.005	mg/L	0.005	SW846-8270
Phenanthrene	U	0.01	mg/L	0.01	SW846-8270 M
Phenol	U	0.01	mg/L	0.01	SW846-8270 M
Phenol	U	0.005	mg/L	0.005	SW846-8270
Pyrene	U	0.01	mg/L	0.01	SW846-8270 M
Pyrene	U	0.005	mg/L	0.005	SW846-8270
Pyridine	U	0.005	mg/L	0.005	SW846-8270
<b>VOA</b>					
1,1,1-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,1,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
1,2-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dimethylbenzene	U	0.005	mg/L	0.005	SW846-8260
2-Butanone	U	0.01	mg/L	0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L	0.01	SW846-8260
Acetone	U	0.01	mg/L	0.01	SW846-8260
Benzene	U	0.005	mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromoform	U	0.005	mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L	0.005	SW846-8260
Chloroethane	U	0.005	mg/L	0.005	SW846-8260
Chloromethane	U	0.005	mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
cis-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L	0.005	SW846-8260

## DG-014

## ERI99-W-DGC

## Data Gaps Contingency

Ethylbenzene	U	0.005	mg/L	0.005	SW846-8260
m,p-Xylene	U	0.01	mg/L	0.01	SW846-8260
Methylene chloride	U	0.01	mg/L	0.01	SW846-8260
Styrene	U	0.005	mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L	0.005	SW846-8260
Toluene	U	0.005	mg/L	0.005	SW846-8260
trans-1,2-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
trans-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Trichloroethene	U	0.001	mg/L	0.001	SW846-8260
Trichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
Vinyl chloride	U	0.001	mg/L	0.001	SW846-8021 M

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## DG-014

## ERI99-W-DGC

## Data Gaps Contingency

## DG014WD080C

Collected: 5/22/1999

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>RADS</b>						
Alpha activity		2.6	pCi/L	1.2	1.7	SW846-9310
Beta activity		4.7	pCi/L	1.3	1.9	SW846-9310
Technetium-99	U	8.7	pCi/L	9.2	15	DNT
<b>SVOA</b>						
1,2,4-Trichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,2-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,3-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
1,4-Dichlorobenzene	U	0.01	mg/L		0.01	SW846-8270 M
2,4,5-Trichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4,6-Trichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dichlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dimethylphenol	U	0.01	mg/L		0.01	SW846-8270 M
2,4-Dinitrotoluene	U	0.01	mg/L		0.01	SW846-8270 M
2,6-Dinitrotoluene	U	0.01	mg/L		0.01	SW846-8270 M
2-Chloronaphthalene	U	0.01	mg/L		0.01	SW846-8270 M
2-Chlorophenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Methyl-4,6-dinitrophenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Methylnaphthalene	U	0.01	mg/L		0.01	SW846-8270 M
2-Methylphenol	U	0.01	mg/L		0.01	SW846-8270 M
2-Nitrobenzenamine	U	0.01	mg/L		0.01	SW846-8270 M
2-Nitrophenol	U	0.01	mg/L		0.01	SW846-8270 M
3,3'-Dichlorobenzidine	U	0.01	mg/L		0.01	SW846-8270 M
3-Nitrobenzenamine	U	0.01	mg/L		0.01	SW846-8270 M
4-Bromophenyl phenyl ether	U	0.01	mg/L		0.01	SW846-8270 M
4-Chloro-3-methylphenol	U	0.01	mg/L		0.01	SW846-8270 M
4-Chlorobenzenamine	U	0.01	mg/L		0.01	SW846-8270 M
4-Chlorophenyl phenyl ether	U	0.01	mg/L		0.01	SW846-8270 M
4-Methylphenol	U	0.01	mg/L		0.01	SW846-8270 M
4-Nitrobenzenamine	U	0.01	mg/L		0.01	SW846-8270 M
4-Nitrophenol	U	0.01	mg/L		0.01	SW846-8270 M
Acenaphthene	U	0.01	mg/L		0.01	SW846-8270 M
Acenaphthylene	U	0.01	mg/L		0.01	SW846-8270 M
Anthracene	U	0.01	mg/L		0.01	SW846-8270 M
Benz(a)anthracene	U	0.01	mg/L		0.01	SW846-8270 M
Benzo(a)pyrene	U	0.01	mg/L		0.01	SW846-8270 M
Benzo(b)fluoranthene	U	0.01	mg/L		0.01	SW846-8270 M
Benzo(ghi)perylene	U	0.01	mg/L		0.01	SW846-8270 M
Benzo(k)fluoranthene	U	0.01	mg/L		0.01	SW846-8270 M
Bis(2-chloroethoxy)methane	U	0.01	mg/L		0.01	SW846-8270 M
Bis(2-chloroethyl) ether	U	0.01	mg/L		0.01	SW846-8270 M
Bis(2-chloroisopropyl) ether	U	0.01	mg/L		0.01	SW846-8270 M
Bis(2-ethylhexyl)phthalate	U	0.01	mg/L		0.01	SW846-8270 M
Carbazole	U	0.01	mg/L		0.01	SW846-8270 M
Chrysene	U	0.01	mg/L		0.01	SW846-8270 M
Dibenz(a,h)anthracene	U	0.01	mg/L		0.01	SW846-8270 M
Dibenzofuran	U	0.01	mg/L		0.01	SW846-8270 M
Diethyl phthalate	U	0.01	mg/L		0.01	SW846-8270 M
Dimethyl phthalate	U	0.01	mg/L		0.01	SW846-8270 M
Di-n-butyl phthalate	U	0.01	mg/L		0.01	SW846-8270 M

**DG-014****ERI99-W-DGC****Data Gaps Contingency**

Di-n-octylphthalate	U	0.01	mg/L	0.01	SW846-8270 M
Fluoranthene	U	0.01	mg/L	0.01	SW846-8270 M
Fluorene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorobenzene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorobutadiene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachlorocyclopentadiene	U	0.01	mg/L	0.01	SW846-8270 M
Hexachloroethane	U	0.01	mg/L	0.01	SW846-8270 M
Indeno(1,2,3-cd)pyrene	U	0.01	mg/L	0.01	SW846-8270 M
Isophorone	U	0.01	mg/L	0.01	SW846-8270 M
Naphthalene	U	0.01	mg/L	0.01	SW846-8270 M
Nitrobenzene	U	0.01	mg/L	0.01	SW846-8270 M
N-Nitroso-di-n-propylamine	U	0.01	mg/L	0.01	SW846-8270 M
N-Nitrosodiphenylamine	U	0.01	mg/L	0.01	SW846-8270 M
Pentachlorophenol	U	0.01	mg/L	0.01	SW846-8270 M
Phenanthrene	U	0.01	mg/L	0.01	SW846-8270 M
Phenol	U	0.01	mg/L	0.01	SW846-8270 M
Pyrene	U	0.01	mg/L	0.01	SW846-8270 M
<b>VOA</b>					
1,1-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
cis-1,2-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
trans-1,2-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
Trichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
Vinyl chloride	U	0.001	mg/L	0.001	SW846-8021 M

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DG-030

ERI99-W-DGC

Data Gaps Contingency

DG030WA025C

Collected: 8/10/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum		404	mg/L		0.2	SW846-6010A
Arsenic		0.007	mg/L		0.005	SW846-7060
Barium		10.3	mg/L		0.05	SW846-6010A
Beryllium		0.09	mg/L		0.005	SW846-6010A
Boron	BNU	2	mg/L		2	SW846-6010A
Cadmium	*BNU	0.005	mg/L		0.005	SW846-7131
Calcium		154	mg/L		0.5	SW846-6010A
Chromium		0.21	mg/L		0.05	SW846-6010A
Cobalt		2.86	mg/L		0.01	SW846-6010A
Copper		0.468	mg/L		0.05	SW846-6010A
Iron	N	1110	mg/L		2	SW846-6010A
Lead	W	0.328	mg/L		0.05	SW846-7421 E3R0
Lithium		0.148	mg/L		0.05	SW846-6010A
Magnesium		63.6	mg/L		0.05	SW846-6010A
Manganese		56.2	mg/L		0.05	SW846-6010A
Mercury		0.0064	mg/L		0.0002	SW846-7470
Nickel	EU	0.05	mg/L		0.05	SW846-6010A
Potassium		23.5	mg/L		2	SW846-6010A
Selenium	U	0.005	mg/L		0.005	SW846-7740
Silver	BU	0.05	mg/L		0.05	SW846-6010A
Sodium		19.4	mg/L		2	SW846-6010A
Strontium		0.639	mg/L		0.05	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Vanadium		0.931	mg/L		0.1	SW846-6010A
Zinc		1.89	mg/L		0.2	SW846-6010A
<b>RADS</b>						
Alpha activity	U	0.58	pCi/L	0.83	1.4	SW846-9310
Beta activity		3.2	pCi/L	1.4	2.2	SW846-9310
Technetium-99	U	10.1	pCi/L	7.5	12	DNT
<b>VOA</b>						
1,1-Dichloroethene	U	0.001	mg/L		0.001	SW846-8021 M
cis-1,2-Dichloroethene	U	0.001	mg/L		0.001	SW846-8021 M
trans-1,2-Dichloroethene	U	0.001	mg/L		0.001	SW846-8021 M
Trichloroethene		0.006	mg/L		0.001	SW846-8021 M
Vinyl chloride	U	0.001	mg/L		0.001	SW846-8021 M
<b>WETCHEM</b>						
Cyanide	X	0.03	mg/L		0.02	SW846-9014

DG-030

ERI99-W-DGC

Data Gaps Contingency

DG030WA025C-45

Collected: 8/10/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium	U	0.05	mg/L		0.05	SW846-6010A
Beryllium	BU	0.005	mg/L		0.005	SW846-6010A
Calcium		7.29	mg/L		0.5	SW846-6010A
Chromium	U	0.05	mg/L		0.05	SW846-6010A
Cobalt	U	0.01	mg/L		0.01	SW846-6010A
Copper	U	0.05	mg/L		0.05	SW846-6010A
Iron	U	0.2	mg/L		0.2	SW846-6010A
Lithium	U	0.05	mg/L		0.05	SW846-6010A
Magnesium		3	mg/L		0.05	SW846-6010A
Manganese		0.414	mg/L		0.05	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Potassium	NU	2	mg/L		2	SW846-6010A
Sodium	N	19.5	mg/L		2	SW846-6010A
Strontium	U	0.05	mg/L		0.05	SW846-6010A
Vanadium	U	0.1	mg/L		0.1	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A

DG-030

ERI99-W-DGC

## Data Gaps Contingency

DG030WA065C

Collected: 8/10/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum		15.6	mg/L		0.2	SW846-6010A
Arsenic		0.008	mg/L		0.005	SW846-7060
Barium		1.31	mg/L		0.05	SW846-6010A
Beryllium	BU	0.005	mg/L		0.005	SW846-6010A
Boron	BNU	2	mg/L		2	SW846-6010A
Cadmium	*BN	0.005	mg/L		0.005	SW846-7131
Calcium		21	mg/L		0.5	SW846-6010A
Chromium	BU	0.05	mg/L		0.05	SW846-6010A
Cobalt		0.109	mg/L		0.01	SW846-6010A
Copper	BU	0.05	mg/L		0.05	SW846-6010A
Iron		64.6	mg/L		0.2	SW846-6010A
Lithium	U	0.05	mg/L		0.05	SW846-6010A
Magnesium		8.77	mg/L		0.05	SW846-6010A
Manganese		20.5	mg/L		0.05	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel		0.113	mg/L		0.05	SW846-6010A
Potassium		2.04	mg/L		2	SW846-6010A
Selenium	U	0.005	mg/L		0.005	SW846-7740
Silver	BU	0.05	mg/L		0.05	SW846-6010A
Sodium		18.5	mg/L		2	SW846-6010A
Strontium		0.058	mg/L		0.05	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Vanadium	U	0.1	mg/L		0.1	SW846-6010A
Zinc	B	0.386	mg/L		0.2	SW846-6010A
<b>RADS</b>						
Alpha activity	U	1.8	pCi/L	2.1	3.5	SW846-9310
Beta activity		82.1	pCi/L	3.5	2.5	SW846-9310
Technetium-99		133	pCi/L	11	12	DNT
<b>SVOA</b>						
1,2,4-Trichlorobenzene	U	0.02	mg/L		0.02	SW846-8270 M
1,2-Dichlorobenzene	U	0.02	mg/L		0.02	SW846-8270 M
1,3-Dichlorobenzene	U	0.02	mg/L		0.02	SW846-8270 M
1,4-Dichlorobenzene	U	0.02	mg/L		0.02	SW846-8270 M
2,4,5-Trichlorophenol	U	0.02	mg/L		0.02	SW846-8270 M
2,4,6-Trichlorophenol	U	0.02	mg/L		0.02	SW846-8270 M
2,4-Dichlorophenol	U	0.02	mg/L		0.02	SW846-8270 M
2,4-Dimethylphenol	U	0.02	mg/L		0.02	SW846-8270 M
2,4-Dinitrophenol	U	0.02	mg/L		0.02	SW846-8270 M
2,4-Dinitrotoluene	U	0.02	mg/L		0.02	SW846-8270 M
2,6-Dinitrotoluene	U	0.02	mg/L		0.02	SW846-8270 M
2-Chloronaphthalene	U	0.02	mg/L		0.02	SW846-8270 M
2-Chlorophenol	U	0.02	mg/L		0.02	SW846-8270 M
2-Methyl-4,6-dinitrophenol	U	0.02	mg/L		0.02	SW846-8270 M
2-Methylnaphthalene	U	0.02	mg/L		0.02	SW846-8270 M
2-Methylphenol	U	0.02	mg/L		0.02	SW846-8270 M
2-Nitrobenzenamine	U	0.02	mg/L		0.02	SW846-8270 M
2-Nitrophenol	U	0.02	mg/L		0.02	SW846-8270 M
3,3'-Dichlorobenzidine	U	0.02	mg/L		0.02	SW846-8270 M
3-Nitrobenzenamine	U	0.02	mg/L		0.02	SW846-8270 M

## DG-030

## ERI99-W-DGC

## Data Gaps Contingency

4-Bromophenyl phenyl ether	U	0.02	mg/L	0.02	SW846-8270 M
4-Chloro-3-methylphenol	U	0.02	mg/L	0.02	SW846-8270 M
4-Chlorobenzeneamine	U	0.02	mg/L	0.02	SW846-8270 M
4-Chlorophenyl phenyl ether	U	0.02	mg/L	0.02	SW846-8270 M
4-Methylphenol	U	0.02	mg/L	0.02	SW846-8270 M
4-Nitrobenzeneamine	U	0.02	mg/L	0.02	SW846-8270 M
4-Nitrophenol	U	0.02	mg/L	0.02	SW846-8270 M
Acenaphthene	U	0.02	mg/L	0.02	SW846-8270 M
Acenaphthylene	U	0.02	mg/L	0.02	SW846-8270 M
Anthracene	U	0.02	mg/L	0.02	SW846-8270 M
Benz(a)anthracene	U	0.02	mg/L	0.02	SW846-8270 M
Benzo(a)pyrene	U	0.02	mg/L	0.02	SW846-8270 M
Benzo(b)fluoranthene	U	0.02	mg/L	0.02	SW846-8270 M
Benzo(ghi)perylene	U	0.02	mg/L	0.02	SW846-8270 M
Benzo(k)fluoranthene	U	0.02	mg/L	0.02	SW846-8270 M
Bis(2-chloroethoxy)methane	U	0.02	mg/L	0.02	SW846-8270 M
Bis(2-chloroethyl) ether	U	0.02	mg/L	0.02	SW846-8270 M
Bis(2-chloroisopropyl) ether	U	0.02	mg/L	0.02	SW846-8270 M
Bis(2-ethylhexyl)phthalate	U	0.02	mg/L	0.02	SW846-8270 M
Butyl benzyl phthalate	U	0.02	mg/L	0.02	SW846-8270 M
Carbazole	U	0.02	mg/L	0.02	SW846-8270 M
Chrysene	U	0.02	mg/L	0.02	SW846-8270 M
Dibenz(a,h)anthracene	U	0.02	mg/L	0.02	SW846-8270 M
Dibenzofuran	U	0.02	mg/L	0.02	SW846-8270 M
Diethyl phthalate	U	0.02	mg/L	0.02	SW846-8270 M
Dimethyl phthalate	U	0.02	mg/L	0.02	SW846-8270 M
Di-n-butyl phthalate	U	0.02	mg/L	0.02	SW846-8270 M
Di-n-octylphthalate	U	0.02	mg/L	0.02	SW846-8270 M
Fluoranthene	U	0.02	mg/L	0.02	SW846-8270 M
Fluorene	U	0.02	mg/L	0.02	SW846-8270 M
Hexachlorobenzene	U	0.02	mg/L	0.02	SW846-8270 M
Hexachlorobutadiene	U	0.02	mg/L	0.02	SW846-8270 M
Hexachlorocyclopentadiene	U	0.02	mg/L	0.02	SW846-8270 M
Hexachloroethane	U	0.02	mg/L	0.02	SW846-8270 M
Indeno(1,2,3-cd)pyrene	U	0.02	mg/L	0.02	SW846-8270 M
Isophorone	U	0.02	mg/L	0.02	SW846-8270 M
Naphthalene	U	0.02	mg/L	0.02	SW846-8270 M
Nitrobenzene	U	0.02	mg/L	0.02	SW846-8270 M
N-Nitroso-di-n-propylamine	U	0.02	mg/L	0.02	SW846-8270 M
N-Nitrosodiphenylamine	U	0.02	mg/L	0.02	SW846-8270 M
Pentachlorophenol	U	0.02	mg/L	0.02	SW846-8270 M
Phenanthrene	U	0.02	mg/L	0.02	SW846-8270 M
Phenol	U	0.02	mg/L	0.02	SW846-8270 M
Pyrene	U	0.02	mg/L	0.02	SW846-8270 M
<b>VOA</b>					
1,1-Dichloroethene		0.014	mg/L	0.001	SW846-8021 M
cis-1,2-Dichloroethene		0.055	mg/L	0.001	SW846-8021 M
trans-1,2-Dichloroethene		0.0084	mg/L	0.001	SW846-8021 M
Trichloroethene		1.6	mg/L	0.001	SW846-8021 M
Vinyl chloride	J	0.0009	mg/L	0.001	SW846-8021 M
<b>WETCHEM</b>					
Cyanide	UX	0.02	mg/L	0.02	SW846-9014

DG-030

ERI99-W-DGC

Data Gaps Contingency

DG030WA065C-45

Collected: 8/10/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Arsenic		0.008	mg/L		0.005	SW846-7060
Barium		0.139	mg/L		0.05	SW846-6010A
Cadmium	*UW	0.005	mg/L		0.005	SW846-7131
Calcium		19.5	mg/L		0.5	SW846-6010A
Cobalt		0.013	mg/L		0.01	SW846-6010A
Iron	U	0.2	mg/L		0.2	SW846-6010A
Magnesium		8.12	mg/L		0.05	SW846-6010A
Manganese		2.71	mg/L		0.05	SW846-6010A
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Potassium	NU	2	mg/L		2	SW846-6010A
Sodium	N	19.4	mg/L		2	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A

DG030WA065C-5

Collected: 8/10/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	NU	0.2	mg/L		0.2	SW846-6010A
Arsenic		0.008	mg/L		0.005	SW846-7060
Barium		0.157	mg/L		0.05	SW846-6010A
Cadmium	*UW	0.005	mg/L		0.005	SW846-7131
Calcium		19.8	mg/L		0.5	SW846-6010A
Cobalt		0.015	mg/L		0.01	SW846-6010A
Iron	BNU	0.2	mg/L		0.2	SW846-6010A
Magnesium		8.22	mg/L		0.05	SW846-6010A
Manganese		3.37	mg/L		0.05	SW846-6010A
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Potassium	NU	2	mg/L		2	SW846-6010A
Sodium	N	19.4	mg/L		2	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A

DG-030

ERI99-W-DGC

Data Gaps Contingency

DG030WA070C

Collected: 8/10/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum		4.02	mg/L		0.2	SW846-6010A
Arsenic		0.015	mg/L		0.005	SW846-7060
Barium		0.172	mg/L		0.05	SW846-6010A
Beryllium	BU	0.005	mg/L		0.005	SW846-6010A
Boron	BNU	2	mg/L		2	SW846-6010A
Cadmium	*BNU	0.005	mg/L		0.005	SW846-7131
Calcium		21.8	mg/L		0.5	SW846-6010A
Chromium	BU	0.05	mg/L		0.05	SW846-6010A
Cobalt		0.048	mg/L		0.01	SW846-6010A
Copper	BU	0.05	mg/L		0.05	SW846-6010A
Iron		29.3	mg/L		0.2	SW846-6010A
Lithium	U	0.05	mg/L		0.05	SW846-6010A
Magnesium		9.05	mg/L		0.05	SW846-6010A
Manganese		1.63	mg/L		0.05	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Potassium	U	2	mg/L		2	SW846-6010A
Selenium	U	0.005	mg/L		0.005	SW846-7740
Silver	BU	0.05	mg/L		0.05	SW846-6010A
Sodium		21.1	mg/L		2	SW846-6010A
Strontium	U	0.05	mg/L		0.05	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Vanadium	U	0.1	mg/L		0.1	SW846-6010A
Zinc	BU	0.2	mg/L		0.2	SW846-6010A
<b>RADS</b>						
Alpha activity		6.1	pCi/L	2.4	3.6	SW846-9310
Beta activity		178	pCi/L	4.9	2.5	SW846-9310
Neptunium-237	A	20.8	pCi/L	41.6	55.2	RL-7124
Plutonium-239/240	A	-0.218	pCi/L	0.149	1.21	RL-7120
Technetium-99		254	pCi/L	13	12	DNT
Thorium-234	A	-191	pCi/L	382	506	RL-7124
<b>SVOA</b>						
1,2,4-Trichlorobenzene	U	0.02	mg/L		0.02	SW846-8270 M
1,2-Dichlorobenzene	U	0.02	mg/L		0.02	SW846-8270 M
1,3-Dichlorobenzene	U	0.02	mg/L		0.02	SW846-8270 M
1,4-Dichlorobenzene	U	0.02	mg/L		0.02	SW846-8270 M
2,4,5-Trichlorophenol	U	0.02	mg/L		0.02	SW846-8270 M
2,4,6-Trichlorophenol	U	0.02	mg/L		0.02	SW846-8270 M
2,4-Dichlorophenol	U	0.02	mg/L		0.02	SW846-8270 M
2,4-Dimethylphenol	U	0.02	mg/L		0.02	SW846-8270 M
2,4-Dinitrotoluene	U	0.02	mg/L		0.02	SW846-8270 M
2,6-Dinitrotoluene	U	0.02	mg/L		0.02	SW846-8270 M
2-Chloronaphthalene	U	0.02	mg/L		0.02	SW846-8270 M
2-Chlorophenol	U	0.02	mg/L		0.02	SW846-8270 M
2-Methyl-4,6-dinitrophenol	U	0.02	mg/L		0.02	SW846-8270 M
2-Methylnaphthalene	U	0.02	mg/L		0.02	SW846-8270 M
2-Methylphenol	U	0.02	mg/L		0.02	SW846-8270 M
2-Nitrobenzenamine	U	0.02	mg/L		0.02	SW846-8270 M
2-Nitrophenol	U	0.02	mg/L		0.02	SW846-8270 M



## DG-030

## ERI99-W-DGC

## Data Gaps Contingency

3,3'-Dichlorobenzidine	U	0.02	mg/L	0.02	SW846-8270 M
3-Nitrobenzenamine	U	0.02	mg/L	0.02	SW846-8270 M
4-Bromophenyl phenyl ether	U	0.02	mg/L	0.02	SW846-8270 M
4-Chloro-3-methylphenol	U	0.02	mg/L	0.02	SW846-8270 M
4-Chlorobenzenamine	U	0.02	mg/L	0.02	SW846-8270 M
4-Chlorophenyl phenyl ether	U	0.02	mg/L	0.02	SW846-8270 M
4-Methylphenol	U	0.02	mg/L	0.02	SW846-8270 M
4-Nitrobenzenamine	U	0.02	mg/L	0.02	SW846-8270 M
4-Nitrophenol	U	0.02	mg/L	0.02	SW846-8270 M
Acenaphthene	U	0.02	mg/L	0.02	SW846-8270 M
Acenaphthylene	U	0.02	mg/L	0.02	SW846-8270 M
Anthracene	U	0.02	mg/L	0.02	SW846-8270 M
Benz(a)anthracene	U	0.02	mg/L	0.02	SW846-8270 M
Benzo(a)pyrene	U	0.02	mg/L	0.02	SW846-8270 M
Benzo(b)fluoranthene	U	0.02	mg/L	0.02	SW846-8270 M
Benzo(ghi)perylene	U	0.02	mg/L	0.02	SW846-8270 M
Benzo(k)fluoranthene	U	0.02	mg/L	0.02	SW846-8270 M
Bis(2-chloroethoxy)methane	U	0.02	mg/L	0.02	SW846-8270 M
Bis(2-chloroethyl) ether	U	0.02	mg/L	0.02	SW846-8270 M
Bis(2-chloroisopropyl) ether	U	0.02	mg/L	0.02	SW846-8270 M
Bis(2-ethylhexyl)phthalate	U	0.02	mg/L	0.02	SW846-8270 M
Carbazole	U	0.02	mg/L	0.02	SW846-8270 M
Chrysene	U	0.02	mg/L	0.02	SW846-8270 M
Dibenz(a,h)anthracene	U	0.02	mg/L	0.02	SW846-8270 M
Dibenzofuran	U	0.02	mg/L	0.02	SW846-8270 M
Diethyl phthalate	U	0.02	mg/L	0.02	SW846-8270 M
Dimethyl phthalate	U	0.02	mg/L	0.02	SW846-8270 M
Di-n-butyl phthalate	U	0.02	mg/L	0.02	SW846-8270 M
Di-n-octylphthalate	U	0.02	mg/L	0.02	SW846-8270 M
Fluoranthene	U	0.02	mg/L	0.02	SW846-8270 M
Fluorene	U	0.02	mg/L	0.02	SW846-8270 M
Hexachlorobenzene	U	0.02	mg/L	0.02	SW846-8270 M
Hexachlorobutadiene	U	0.02	mg/L	0.02	SW846-8270 M
Hexachlorocyclopentadiene	U	0.02	mg/L	0.02	SW846-8270 M
Hexachloroethane	U	0.02	mg/L	0.02	SW846-8270 M
Indeno(1,2,3-cd)pyrene	U	0.02	mg/L	0.02	SW846-8270 M
Isophorone	U	0.02	mg/L	0.02	SW846-8270 M
Naphthalene	U	0.02	mg/L	0.02	SW846-8270 M
Nitrobenzene	U	0.02	mg/L	0.02	SW846-8270 M
N-Nitroso-di-n-propylamine	U	0.02	mg/L	0.02	SW846-8270 M
N-Nitrosodiphenylamine	U	0.02	mg/L	0.02	SW846-8270 M
Pentachlorophenol	U	0.02	mg/L	0.02	SW846-8270 M
Phenanthrene	U	0.02	mg/L	0.02	SW846-8270 M
Phenol	U	0.02	mg/L	0.02	SW846-8270 M
Pyrene	U	0.02	mg/L	0.02	SW846-8270 M
<b>VOA</b>					
1,1-Dichloroethene		0.0081	mg/L	0.001	SW846-8021 M
cis-1,2-Dichloroethene		0.08	mg/L	0.001	SW846-8021 M
trans-1,2-Dichloroethene		0.011	mg/L	0.001	SW846-8021 M
Trichloroethene		1.5	mg/L	0.001	SW846-8021 M
Vinyl chloride	J	0.0009	mg/L	0.001	SW846-8021 M
<b>WETCHEM</b>					
Cyanide	NU	0.02	mg/L	0.02	SW846-9014

DG-030

ERI99-W-DGC

Data Gaps Contingency

DG030WA070C-45

Collected: 8/10/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Arsenic		0.014	mg/L		0.005	SW846-7060
Barium		0.157	mg/L		0.05	SW846-6010A
Calcium		21.9	mg/L		0.5	SW846-6010A
Cobalt		0.043	mg/L		0.01	SW846-6010A
Iron		0.246	mg/L		0.2	SW846-6010A
Magnesium		9.08	mg/L		0.05	SW846-6010A
Manganese		1.75	mg/L		0.05	SW846-6010A
Sodium	N	21.6	mg/L		2	SW846-6010A

DG030WA070C-5

Collected: 8/10/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	NU	0.2	mg/L		0.2	SW846-6010A
Arsenic		0.014	mg/L		0.005	SW846-7060
Barium		0.105	mg/L		0.05	SW846-6010A
Calcium		21.8	mg/L		0.5	SW846-6010A
Cobalt		0.016	mg/L		0.01	SW846-6010A
Iron	BN	0.26	mg/L		0.2	SW846-6010A
Magnesium		9.03	mg/L		0.05	SW846-6010A
Manganese		0.622	mg/L		0.05	SW846-6010A
Sodium	N	21.5	mg/L		2	SW846-6010A

DG-030

ERI99-W-DGC

Data Gaps Contingency

DG030WA075C

Collected: 8/10/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum		2.79	mg/L		0.2	SW846-6010A
Arsenic		0.019	mg/L		0.005	SW846-7060
Barium		0.146	mg/L		0.05	SW846-6010A
Beryllium	BU	0.005	mg/L		0.005	SW846-6010A
Boron	BNU	2	mg/L		2	SW846-6010A
Cadmium	*BNU	0.005	mg/L		0.005	SW846-7131
Calcium		24	mg/L		0.5	SW846-6010A
Chromium	BU	0.05	mg/L		0.05	SW846-6010A
Cobalt		0.034	mg/L		0.01	SW846-6010A
Copper	BU	0.05	mg/L		0.05	SW846-6010A
Iron		13.2	mg/L		0.2	SW846-6010A
Lithium	U	0.05	mg/L		0.05	SW846-6010A
Magnesium		9.96	mg/L		0.05	SW846-6010A
Manganese		1.12	mg/L		0.05	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Potassium	U	2	mg/L		2	SW846-6010A
Selenium	U	0.005	mg/L		0.005	SW846-7740
Silver	BU	0.05	mg/L		0.05	SW846-6010A
Sodium		20.4	mg/L		2	SW846-6010A
Strontium		0.05	mg/L		0.05	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Vanadium	U	0.1	mg/L		0.1	SW846-6010A
Zinc	BU	0.2	mg/L		0.2	SW846-6010A
<b>RADS</b>						
Alpha activity		6.9	pCi/L	2.7	4.1	SW846-9310
Beta activity		204	pCi/L	5.3	2.7	SW846-9310
Neptunium-237	A	8.5	pCi/L	17	51.3	RL-7124
Plutonium-239/240	A	-0.235	pCi/L	0.161	1.21	RL-7120
Technetium-99		274	pCi/L	14	12	DNT
Thorium-234	A	-72	pCi/L	144	560	RL-7124
<b>SVOA</b>						
1,2,4-Trichlorobenzene	U	0.02	mg/L		0.02	SW846-8270 M
1,2-Dichlorobenzene	U	0.02	mg/L		0.02	SW846-8270 M
1,3-Dichlorobenzene	U	0.02	mg/L		0.02	SW846-8270 M
1,4-Dichlorobenzene	U	0.02	mg/L		0.02	SW846-8270 M
2,4,5-Trichlorophenol	U	0.02	mg/L		0.02	SW846-8270 M
2,4,6-Trichlorophenol	U	0.02	mg/L		0.02	SW846-8270 M
2,4-Dichlorophenol	U	0.02	mg/L		0.02	SW846-8270 M
2,4-Dimethylphenol	U	0.02	mg/L		0.02	SW846-8270 M
2,4-Dinitrotoluene	U	0.02	mg/L		0.02	SW846-8270 M
2,6-Dinitrotoluene	U	0.02	mg/L		0.02	SW846-8270 M
2-Chloronaphthalene	U	0.02	mg/L		0.02	SW846-8270 M
2-Chlorophenol	U	0.02	mg/L		0.02	SW846-8270 M
2-Methyl-4,6-dinitrophenol	U	0.02	mg/L		0.02	SW846-8270 M
2-Methylnaphthalene	U	0.02	mg/L		0.02	SW846-8270 M
2-Methylphenol	U	0.02	mg/L		0.02	SW846-8270 M
2-Nitrobenzenamine	U	0.02	mg/L		0.02	SW846-8270 M
2-Nitrophenol	U	0.02	mg/L		0.02	SW846-8270 M

## DG-030

## ERI99-W-DGC

## Data Gaps Contingency

3,3'-Dichlorobenzidine	U	0.02	mg/L	0.02	SW846-8270 M
3-Nitrobenzenamine	U	0.02	mg/L	0.02	SW846-8270 M
4-Bromophenyl phenyl ether	U	0.02	mg/L	0.02	SW846-8270 M
4-Chloro-3-methylphenol	U	0.02	mg/L	0.02	SW846-8270 M
4-Chlorobenzenamine	U	0.02	mg/L	0.02	SW846-8270 M
4-Chlorophenyl phenyl ether	U	0.02	mg/L	0.02	SW846-8270 M
4-Methylphenol	U	0.02	mg/L	0.02	SW846-8270 M
4-Nitrobenzenamine	U	0.02	mg/L	0.02	SW846-8270 M
4-Nitrophenol	U	0.02	mg/L	0.02	SW846-8270 M
Acenaphthene	U	0.02	mg/L	0.02	SW846-8270 M
Acenaphthylene	U	0.02	mg/L	0.02	SW846-8270 M
Anthracene	U	0.02	mg/L	0.02	SW846-8270 M
Benz(a)anthracene	U	0.02	mg/L	0.02	SW846-8270 M
Benzo(a)pyrene	U	0.02	mg/L	0.02	SW846-8270 M
Benzo(b)fluoranthene	U	0.02	mg/L	0.02	SW846-8270 M
Benzo(ghi)perylene	U	0.02	mg/L	0.02	SW846-8270 M
Benzo(k)fluoranthene	U	0.02	mg/L	0.02	SW846-8270 M
Bis(2-chloroethoxy)methane	U	0.02	mg/L	0.02	SW846-8270 M
Bis(2-chloroethyl) ether	U	0.02	mg/L	0.02	SW846-8270 M
Bis(2-chloroisopropyl) ether	U	0.02	mg/L	0.02	SW846-8270 M
Bis(2-ethylhexyl)phthalate	U	0.02	mg/L	0.02	SW846-8270 M
Carbazole	U	0.02	mg/L	0.02	SW846-8270 M
Chrysene	U	0.02	mg/L	0.02	SW846-8270 M
Dibenz(a,h)anthracene	U	0.02	mg/L	0.02	SW846-8270 M
Dibenzofuran	U	0.02	mg/L	0.02	SW846-8270 M
Diethyl phthalate	U	0.02	mg/L	0.02	SW846-8270 M
Dimethyl phthalate	U	0.02	mg/L	0.02	SW846-8270 M
Di-n-butyl phthalate	U	0.02	mg/L	0.02	SW846-8270 M
Di-n-octylphthalate	U	0.02	mg/L	0.02	SW846-8270 M
Fluoranthene	U	0.02	mg/L	0.02	SW846-8270 M
Fluorene	U	0.02	mg/L	0.02	SW846-8270 M
Hexachlorobenzene	U	0.02	mg/L	0.02	SW846-8270 M
Hexachlorobutadiene	U	0.02	mg/L	0.02	SW846-8270 M
Hexachlorocyclopentadiene	U	0.02	mg/L	0.02	SW846-8270 M
Hexachloroethane	U	0.02	mg/L	0.02	SW846-8270 M
Indeno(1,2,3-cd)pyrene	U	0.02	mg/L	0.02	SW846-8270 M
Isophorone	U	0.02	mg/L	0.02	SW846-8270 M
Naphthalene	U	0.02	mg/L	0.02	SW846-8270 M
Nitrobenzene	U	0.02	mg/L	0.02	SW846-8270 M
N-Nitroso-di-n-propylamine	U	0.02	mg/L	0.02	SW846-8270 M
N-Nitrosodiphenylamine	U	0.02	mg/L	0.02	SW846-8270 M
Pentachlorophenol	U	0.02	mg/L	0.02	SW846-8270 M
Phenanthrene	U	0.02	mg/L	0.02	SW846-8270 M
Phenol	U	0.02	mg/L	0.02	SW846-8270 M
Pyrene	U	0.02	mg/L	0.02	SW846-8270 M
<b>VOA</b>					
1,1,1-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2-Trichloroethane	UX	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethene		0.0088	mg/L	0.001	SW846-8021 M
1,2-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dimethylbenzene	U	0.005	mg/L	0.005	SW846-8260
2-Butanone	U	0.01	mg/L	0.01	SW846-8260

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ERI99-W-DGC

Data Gaps Contingency

2-Hexanone	UX	0.01	mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L	0.01	SW846-8260
Acetone	U	0.01	mg/L	0.01	SW846-8260
Benzene	UY	0.005	mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromoform	U	0.005	mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L	0.005	SW846-8260
Carbon tetrachloride		0.061	mg/L	0.005	SW846-8260
Chlorobenzene	UY	0.005	mg/L	0.005	SW846-8260
Chloroethane	U	0.005	mg/L	0.005	SW846-8260
Chloroform		0.055	mg/L	0.005	SW846-8260
Chloromethane	U	0.005	mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	E	0.13	mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene		0.05	mg/L	0.001	SW846-8021 M
cis-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L	0.005	SW846-8260
m,p-Xylene	U	0.01	mg/L	0.01	SW846-8260
Methylene chloride	J	0.012	mg/L	0.01	SW846-8260
Styrene	U	0.005	mg/L	0.005	SW846-8260
Tetrachloroethene	UX	0.005	mg/L	0.005	SW846-8260
Toluene	UY	0.005	mg/L	0.005	SW846-8260
trans-1,2-Dichloroethene		0.016	mg/L	0.001	SW846-8021 M
trans-1,2-Dichloroethene		0.011	mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Trichloroethene		1.7	mg/L	0.001	SW846-8021 M
Trichloroethene	XY	2.5	mg/L	0.04	SW846-8260
Vinyl chloride		0.0011	mg/L	0.001	SW846-8021 M
<b>WETCHEM</b>					
Cyanide	NU	0.02	mg/L	0.02	SW846-9014

DG030WA075C-45

Collected: 8/10/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Arsenic		0.019	mg/L		0.005	SW846-7060
Barium		0.125	mg/L		0.05	SW846-6010A
Calcium		24.9	mg/L		0.5	SW846-6010A
Cobalt		0.02	mg/L		0.01	SW846-6010A
Iron		1.69	mg/L		0.2	SW846-6010A
Magnesium		10.4	mg/L		0.05	SW846-6010A
Manganese		0.816	mg/L		0.05	SW846-6010A
Sodium	N	21.7	mg/L		2	SW846-6010A
Strontium	U	0.05	mg/L		0.05	SW846-6010A

DG-030

ERI99-W-DGC

DG030WA075C-5

Data Gaps Contingency

Collected: 8/10/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	NU	0.2	mg/L		0.2	SW846-6010A
Arsenic		0.017	mg/L		0.005	SW846-7060
Barium		0.118	mg/L		0.05	SW846-6010A
Calcium		24.9	mg/L		0.5	SW846-6010A
Cobalt		0.018	mg/L		0.01	SW846-6010A
Iron	BN	1.12	mg/L		0.2	SW846-6010A
Magnesium		10.4	mg/L		0.05	SW846-6010A
Manganese		0.658	mg/L		0.05	SW846-6010A
Sodium	N	21.5	mg/L		2	SW846-6010A
Strontium	U	0.05	mg/L		0.05	SW846-6010A

DG-030

ERI99-W-DGC

## Data Gaps Contingency

DG030WA080C

Collected: 8/10/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum		2.48	mg/L		0.2	SW846-6010A
Arsenic		0.011	mg/L		0.005	SW846-7060
Barium		0.157	mg/L		0.05	SW846-6010A
Beryllium	BU	0.005	mg/L		0.005	SW846-6010A
Boron	BNU	2	mg/L		2	SW846-6010A
Cadmium	*BNU	0.005	mg/L		0.005	SW846-7131
Calcium		22.8	mg/L		0.5	SW846-6010A
Chromium	BU	0.05	mg/L		0.05	SW846-6010A
Cobalt		0.041	mg/L		0.01	SW846-6010A
Copper	BU	0.05	mg/L		0.05	SW846-6010A
Iron		9.15	mg/L		0.2	SW846-6010A
Lithium	U	0.05	mg/L		0.05	SW846-6010A
Magnesium		9.54	mg/L		0.05	SW846-6010A
Manganese		1.61	mg/L		0.05	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Potassium	U	2	mg/L		2	SW846-6010A
Selenium	U	0.005	mg/L		0.005	SW846-7740
Silver	BU	0.05	mg/L		0.05	SW846-6010A
Sodium		18.3	mg/L		2	SW846-6010A
Strontium		0.052	mg/L		0.05	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Vanadium	U	0.1	mg/L		0.1	SW846-6010A
Zinc	BU	0.2	mg/L		0.2	SW846-6010A
<b>RADS</b>						
Alpha activity		4.69	pCi/L	1.48	2.78	EPA-900.0
Alpha activity	U	2.3	pCi/L	1.7	2.6	SW846-9310
Beta activity		69.2	pCi/L	3.2	2.4	SW846-9310
Beta activity		93.63	pCi/L	6.98	5.92	EPA-900.0
Neptunium-237	A	22.2	pCi/L	44.3	57.9	RL-7124
Plutonium-239/240	A	-0.276	pCi/L	0.161	1.22	RL-7120
Technetium-99		121	pCi/L	11	12	DNT
Technetium-99		91.9	pCi/L	14.3	16.9	RL-7100
Thorium-234	A	36.2	pCi/L	72.5	536	RL-7124
<b>SVOA</b>						
1,2,4-Trichlorobenzene	JU	0.005	mg/L		0.005	SW846-8270
1,2,4-Trichlorobenzene	U	0.02	mg/L		0.02	SW846-8270 M
1,2-Dichlorobenzene	JU	0.005	mg/L		0.005	SW846-8270
1,2-Dichlorobenzene	U	0.02	mg/L		0.02	SW846-8270 M
1,3-Dichlorobenzene	U	0.02	mg/L		0.02	SW846-8270 M
1,3-Dichlorobenzene	JU	0.005	mg/L		0.005	SW846-8270
1,4-Dichlorobenzene	JU	0.005	mg/L		0.005	SW846-8270
1,4-Dichlorobenzene	U	0.02	mg/L		0.02	SW846-8270 M
2,4,5-Trichlorophenol	U	0.02	mg/L		0.02	SW846-8270 M
2,4,5-Trichlorophenol	JU	0.005	mg/L		0.005	SW846-8270
2,4,6-Trichlorophenol	U	0.02	mg/L		0.02	SW846-8270 M
2,4,6-Trichlorophenol	JU	0.005	mg/L		0.005	SW846-8270
2,4-Dichlorophenol	U	0.02	mg/L		0.02	SW846-8270 M
2,4-Dichlorophenol	JU	0.005	mg/L		0.005	SW846-8270

## DG-030

## ERI99-W-DGC

## Data Gaps Contingency

2,4-Dimethylphenol	U	0.02	mg/L	0.02	SW846-8270 M
2,4-Dimethylphenol	JU	0.005	mg/L	0.005	SW846-8270
2,4-Dinitrophenol	JU	0.005	mg/L	0.005	SW846-8270
2,4-Dinitrotoluene	U	0.02	mg/L	0.02	SW846-8270 M
2,4-Dinitrotoluene	JU	0.005	mg/L	0.005	SW846-8270
2,6-Dinitrotoluene	JU	0.005	mg/L	0.005	SW846-8270
2,6-Dinitrotoluene	U	0.02	mg/L	0.02	SW846-8270 M
2-Chloronaphthalene	U	0.02	mg/L	0.02	SW846-8270 M
2-Chloronaphthalene	JU	0.005	mg/L	0.005	SW846-8270
2-Chlorophenol	U	0.02	mg/L	0.02	SW846-8270 M
2-Chlorophenol	JU	0.005	mg/L	0.005	SW846-8270
2-Methyl-4,6-dinitrophenol	U	0.02	mg/L	0.02	SW846-8270 M
2-Methyl-4,6-dinitrophenol	JU	0.005	mg/L	0.005	SW846-8270
2-Methylnaphthalene	U	0.02	mg/L	0.02	SW846-8270 M
2-Methylnaphthalene	JU	0.005	mg/L	0.005	SW846-8270
2-Methylphenol	JU	0.005	mg/L	0.005	SW846-8270
2-Methylphenol	U	0.02	mg/L	0.02	SW846-8270 M
2-Nitrobenzenamine	U	0.02	mg/L	0.02	SW846-8270 M
2-Nitrobenzenamine	JU	0.005	mg/L	0.005	SW846-8270
2-Nitrophenol	U	0.02	mg/L	0.02	SW846-8270 M
2-Nitrophenol	JU	0.005	mg/L	0.005	SW846-8270
3,3'-Dichlorobenzidine	JU	0.005	mg/L	0.005	SW846-8270
3,3'-Dichlorobenzidine	U	0.02	mg/L	0.02	SW846-8270 M
3-Nitrobenzenamine	U	0.02	mg/L	0.02	SW846-8270 M
3-Nitrobenzenamine	JU	0.005	mg/L	0.005	SW846-8270
4-Bromophenyl phenyl ether	U	0.02	mg/L	0.02	SW846-8270 M
4-Bromophenyl phenyl ether	JU	0.005	mg/L	0.005	SW846-8270
4-Chloro-3-methylphenol	U	0.02	mg/L	0.02	SW846-8270 M
4-Chloro-3-methylphenol	JU	0.005	mg/L	0.005	SW846-8270
4-Chlorobenzenamine	JU	0.005	mg/L	0.005	SW846-8270
4-Chlorobenzenamine	U	0.02	mg/L	0.02	SW846-8270 M
4-Chlorophenyl phenyl ether	JU	0.005	mg/L	0.005	SW846-8270
4-Chlorophenyl phenyl ether	U	0.02	mg/L	0.02	SW846-8270 M
4-Methylphenol	U	0.02	mg/L	0.02	SW846-8270 M
4-Methylphenol	JU	0.005	mg/L	0.005	SW846-8270
4-Nitrobenzenamine	JU	0.005	mg/L	0.005	SW846-8270
4-Nitrobenzenamine	U	0.02	mg/L	0.02	SW846-8270 M
4-Nitrophenol	JU	0.005	mg/L	0.005	SW846-8270
4-Nitrophenol	U	0.02	mg/L	0.02	SW846-8270 M
Acenaphthene	U	0.02	mg/L	0.02	SW846-8270 M
Acenaphthene	JU	0.005	mg/L	0.005	SW846-8270
Acenaphthylene	JU	0.005	mg/L	0.005	SW846-8270
Acenaphthylene	U	0.02	mg/L	0.02	SW846-8270 M
Anthracene	JU	0.005	mg/L	0.005	SW846-8270
Anthracene	U	0.02	mg/L	0.02	SW846-8270 M
Benz(a)anthracene	U	0.02	mg/L	0.02	SW846-8270 M
Benz(a)anthracene	JU	0.005	mg/L	0.005	SW846-8270
Benzo(a)pyrene	U	0.02	mg/L	0.02	SW846-8270 M
Benzo(a)pyrene	JU	0.005	mg/L	0.005	SW846-8270
Benzo(b)fluoranthene	U	0.02	mg/L	0.02	SW846-8270 M
Benzo(b)fluoranthene	JU	0.005	mg/L	0.005	SW846-8270
Benzo(ghi)perylene	JU	0.005	mg/L	0.005	SW846-8270
Benzo(ghi)perylene	U	0.02	mg/L	0.02	SW846-8270 M
Benzo(k)fluoranthene	JU	0.005	mg/L	0.005	SW846-8270
Benzo(k)fluoranthene	U	0.02	mg/L	0.02	SW846-8270 M



## DG-030

## ERI99-W-DGC

## Data Gaps Contingency

Bis(2-chloroethoxy)methane	U	0.02	mg/L	0.02	SW846-8270 M
Bis(2-chloroethoxy)methane	JU	0.005	mg/L	0.005	SW846-8270
Bis(2-chloroethyl) ether	U	0.02	mg/L	0.02	SW846-8270 M
Bis(2-chloroethyl) ether	JU	0.005	mg/L	0.005	SW846-8270
Bis(2-chloroisopropyl) ether	U	0.02	mg/L	0.02	SW846-8270 M
Bis(2-chloroisopropyl) ether	JU	0.005	mg/L	0.005	SW846-8270
Bis(2-ethylhexyl)phthalate	U	0.02	mg/L	0.02	SW846-8270 M
Bis(2-ethylhexyl)phthalate	JU	0.005	mg/L	0.005	SW846-8270
Butyl benzyl phthalate	JU	0.005	mg/L	0.005	SW846-8270
Carbazole	JU	0.005	mg/L	0.005	SW846-8270
Carbazole	U	0.02	mg/L	0.02	SW846-8270 M
Chrysene	JU	0.005	mg/L	0.005	SW846-8270
Chrysene	U	0.02	mg/L	0.02	SW846-8270 M
Dibenz(a,h)anthracene	JU	0.005	mg/L	0.005	SW846-8270
Dibenz(a,h)anthracene	U	0.02	mg/L	0.02	SW846-8270 M
Dibenzofuran	U	0.02	mg/L	0.02	SW846-8270 M
Dibenzofuran	JU	0.005	mg/L	0.005	SW846-8270
Diethyl phthalate	U	0.02	mg/L	0.02	SW846-8270 M
Diethyl phthalate	JU	0.005	mg/L	0.005	SW846-8270
Dimethyl phthalate	JU	0.005	mg/L	0.005	SW846-8270
Dimethyl phthalate	U	0.02	mg/L	0.02	SW846-8270 M
Di-n-butyl phthalate	JU	0.005	mg/L	0.005	SW846-8270
Di-n-butyl phthalate	U	0.02	mg/L	0.02	SW846-8270 M
Di-n-octylphthalate	U	0.02	mg/L	0.02	SW846-8270 M
Di-n-octylphthalate	JU	0.005	mg/L	0.005	SW846-8270
Fluoranthene	JU	0.005	mg/L	0.005	SW846-8270
Fluoranthene	U	0.02	mg/L	0.02	SW846-8270 M
Fluorene	JU	0.005	mg/L	0.005	SW846-8270
Fluorene	U	0.02	mg/L	0.02	SW846-8270 M
Hexachlorobenzene	JU	0.005	mg/L	0.005	SW846-8270
Hexachlorobenzene	U	0.02	mg/L	0.02	SW846-8270 M
Hexachlorobutadiene	U	0.02	mg/L	0.02	SW846-8270 M
Hexachlorobutadiene	JU	0.005	mg/L	0.005	SW846-8270
Hexachlorocyclopentadiene	U	0.02	mg/L	0.02	SW846-8270 M
Hexachlorocyclopentadiene	JU	0.005	mg/L	0.005	SW846-8270
Hexachloroethane	U	0.02	mg/L	0.02	SW846-8270 M
Hexachloroethane	JU	0.005	mg/L	0.005	SW846-8270
Indeno(1,2,3-cd)pyrene	JU	0.005	mg/L	0.005	SW846-8270
Indeno(1,2,3-cd)pyrene	U	0.02	mg/L	0.02	SW846-8270 M
Isophorone	U	0.02	mg/L	0.02	SW846-8270 M
Isophorone	JU	0.005	mg/L	0.005	SW846-8270
Naphthalene	U	0.02	mg/L	0.02	SW846-8270 M
Naphthalene	JU	0.005	mg/L	0.005	SW846-8270
Nitrobenzene	JU	0.005	mg/L	0.005	SW846-8270
Nitrobenzene	U	0.02	mg/L	0.02	SW846-8270 M
N-Nitroso-di-n-propylamine	JU	0.005	mg/L	0.005	SW846-8270
N-Nitroso-di-n-propylamine	U	0.02	mg/L	0.02	SW846-8270 M
N-Nitrosodiphenylamine	JU	0.005	mg/L	0.005	SW846-8270
N-Nitrosodiphenylamine	U	0.02	mg/L	0.02	SW846-8270 M
Pentachlorophenol	JU	0.005	mg/L	0.005	SW846-8270
Pentachlorophenol	U	0.02	mg/L	0.02	SW846-8270 M
Phenanthrene	U	0.02	mg/L	0.02	SW846-8270 M
Phenanthrene	JU	0.005	mg/L	0.005	SW846-8270
Phenol	JU	0.005	mg/L	0.005	SW846-8270
Phenol	U	0.02	mg/L	0.02	SW846-8270 M

DG-030

ERI99-W-DGC

Data Gaps Contingency

Pyrene	U	0.02	mg/L	0.02	SW846-8270 M
Pyrene	JU	0.005	mg/L	0.005	SW846-8270
Pyridine	JUY	0.005	mg/L	0.005	SW846-8270
<b>VOA</b>					
1,1-Dichloroethene		0.018	mg/L	0.001	SW846-8021 M
cis-1,2-Dichloroethene		0.065	mg/L	0.001	SW846-8021 M
trans-1,2-Dichloroethene		0.0048	mg/L	0.001	SW846-8021 M
Trichloroethene		1.4	mg/L	0.001	SW846-8021 M
Vinyl chloride	J	0.0008	mg/L	0.001	SW846-8021 M
<b>WETCHEM</b>					
Cyanide	NU	0.02	mg/L	0.02	SW846-9014

DG030WA080C-45

Collected: 8/10/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Arsenic		0.01	mg/L		0.005	SW846-7060
Barium		0.187	mg/L		0.05	SW846-6010A
Calcium		21.5	mg/L		0.5	SW846-6010A
Cobalt		0.042	mg/L		0.01	SW846-6010A
Iron	U	0.2	mg/L		0.2	SW846-6010A
Magnesium		8.97	mg/L		0.05	SW846-6010A
Manganese		1.27	mg/L		0.05	SW846-6010A
Sodium	N	18.1	mg/L		2	SW846-6010A
Strontium	U	0.05	mg/L		0.05	SW846-6010A

DG030WA080C-5

Collected: 8/10/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	NU	0.2	mg/L		0.2	SW846-6010A
Arsenic		0.01	mg/L		0.005	SW846-7060
Barium		0.097	mg/L		0.05	SW846-6010A
Calcium		21.6	mg/L		0.5	SW846-6010A
Cobalt		0.017	mg/L		0.01	SW846-6010A
Iron	BN	0.433	mg/L		0.2	SW846-6010A
Magnesium		9.03	mg/L		0.05	SW846-6010A
Manganese		0.395	mg/L		0.05	SW846-6010A
Sodium	N	18.1	mg/L		2	SW846-6010A
Strontium	U	0.05	mg/L		0.05	SW846-6010A

DG-030

ERI99-W-DGC

Data Gaps Contingency

DG030WA085C

Collected: 8/11/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum		1.98	mg/L		0.2	SW846-6010A
Arsenic		0.007	mg/L		0.005	SW846-7060
Barium		0.126	mg/L		0.05	SW846-6010A
Beryllium	BU	0.005	mg/L		0.005	SW846-6010A
Boron	BNU	2	mg/L		2	SW846-6010A
Cadmium	*BNU	0.005	mg/L		0.005	SW846-7131
Calcium		22.7	mg/L		0.5	SW846-6010A
Chromium	BU	0.05	mg/L		0.05	SW846-6010A
Cobalt		0.071	mg/L		0.01	SW846-6010A
Copper	BU	0.05	mg/L		0.05	SW846-6010A
Iron		41.5	mg/L		0.2	SW846-6010A
Lithium	U	0.05	mg/L		0.05	SW846-6010A
Magnesium		9.06	mg/L		0.05	SW846-6010A
Manganese		1.98	mg/L		0.05	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel		0.064	mg/L		0.05	SW846-6010A
Potassium	U	2	mg/L		2	SW846-6010A
Selenium	U	0.005	mg/L		0.005	SW846-7740
Silver	BU	0.05	mg/L		0.05	SW846-6010A
Sodium		18.2	mg/L		2	SW846-6010A
Strontium		0.08	mg/L		0.05	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Vanadium	U	0.1	mg/L		0.1	SW846-6010A
Zinc	BU	0.2	mg/L		0.2	SW846-6010A
<b>RADS</b>						
Alpha activity	U	1.5	pCi/L	1.2	1.8	SW846-9310
Beta activity		7	pCi/L	1.6	2.3	SW846-9310
Technetium-99		16	pCi/L	7.8	12	DNT
<b>SVOA</b>						
1,2,4-Trichlorobenzene	U	0.02	mg/L		0.02	SW846-8270 M
1,2-Dichlorobenzene	U	0.02	mg/L		0.02	SW846-8270 M
1,3-Dichlorobenzene	U	0.02	mg/L		0.02	SW846-8270 M
1,4-Dichlorobenzene	U	0.02	mg/L		0.02	SW846-8270 M
2,4,5-Trichlorophenol	U	0.02	mg/L		0.02	SW846-8270 M
2,4,6-Trichlorophenol	U	0.02	mg/L		0.02	SW846-8270 M
2,4-Dichlorophenol	U	0.02	mg/L		0.02	SW846-8270 M
2,4-Dimethylphenol	U	0.02	mg/L		0.02	SW846-8270 M
2,4-Dinitrotoluene	U	0.02	mg/L		0.02	SW846-8270 M
2,6-Dinitrotoluene	U	0.02	mg/L		0.02	SW846-8270 M
2-Chloronaphthalene	U	0.02	mg/L		0.02	SW846-8270 M
2-Chlorophenol	U	0.02	mg/L		0.02	SW846-8270 M
2-Methyl-4,6-dinitrophenol	U	0.02	mg/L		0.02	SW846-8270 M
2-Methylnaphthalene	U	0.02	mg/L		0.02	SW846-8270 M
2-Methylphenol	U	0.02	mg/L		0.02	SW846-8270 M
2-Nitrobenzenamine	U	0.02	mg/L		0.02	SW846-8270 M
2-Nitrophenol	U	0.02	mg/L		0.02	SW846-8270 M
3,3'-Dichlorobenzidine	U	0.02	mg/L		0.02	SW846-8270 M
3-Nitrobenzenamine	U	0.02	mg/L		0.02	SW846-8270 M
4-Bromophenyl phenyl ether	U	0.02	mg/L		0.02	SW846-8270 M

## DG-030

## ERI99-W-DGC

## Data Gaps Contingency

4-Chloro-3-methylphenol	U	0.02	mg/L	0.02	SW846-8270	M
4-Chlorobenzeneamine	U	0.02	mg/L	0.02	SW846-8270	M
4-Chlorophenyl phenyl ether	U	0.02	mg/L	0.02	SW846-8270	M
4-Methylphenol	U	0.02	mg/L	0.02	SW846-8270	M
4-Nitrobenzeneamine	U	0.02	mg/L	0.02	SW846-8270	M
4-Nitrophenol	U	0.02	mg/L	0.02	SW846-8270	M
Acenaphthene	U	0.02	mg/L	0.02	SW846-8270	M
Acenaphthylene	U	0.02	mg/L	0.02	SW846-8270	M
Anthracene	U	0.02	mg/L	0.02	SW846-8270	M
Benz(a)anthracene	U	0.02	mg/L	0.02	SW846-8270	M
Benzo(a)pyrene	U	0.02	mg/L	0.02	SW846-8270	M
Benzo(b)fluoranthene	U	0.02	mg/L	0.02	SW846-8270	M
Benzo(ghi)perylene	U	0.02	mg/L	0.02	SW846-8270	M
Benzo(k)fluoranthene	U	0.02	mg/L	0.02	SW846-8270	M
Bis(2-chloroethoxy)methane	U	0.02	mg/L	0.02	SW846-8270	M
Bis(2-chloroethyl) ether	U	0.02	mg/L	0.02	SW846-8270	M
Bis(2-chloroisopropyl) ether	U	0.02	mg/L	0.02	SW846-8270	M
Bis(2-ethylhexyl)phthalate	U	0.02	mg/L	0.02	SW846-8270	M
Carbazole	U	0.02	mg/L	0.02	SW846-8270	M
Chrysene	U	0.02	mg/L	0.02	SW846-8270	M
Dibenz(a,h)anthracene	U	0.02	mg/L	0.02	SW846-8270	M
Dibenzofuran	U	0.02	mg/L	0.02	SW846-8270	M
Diethyl phthalate	U	0.02	mg/L	0.02	SW846-8270	M
Dimethyl phthalate	U	0.02	mg/L	0.02	SW846-8270	M
Di-n-butyl phthalate	U	0.02	mg/L	0.02	SW846-8270	M
Di-n-octylphthalate	U	0.02	mg/L	0.02	SW846-8270	M
Fluoranthene	U	0.02	mg/L	0.02	SW846-8270	M
Fluorene	U	0.02	mg/L	0.02	SW846-8270	M
Hexachlorobenzene	U	0.02	mg/L	0.02	SW846-8270	M
Hexachlorobutadiene	U	0.02	mg/L	0.02	SW846-8270	M
Hexachlorocyclopentadiene	U	0.02	mg/L	0.02	SW846-8270	M
Hexachloroethane	U	0.02	mg/L	0.02	SW846-8270	M
Indeno(1,2,3-cd)pyrene	U	0.02	mg/L	0.02	SW846-8270	M
Isophorone	U	0.02	mg/L	0.02	SW846-8270	M
Naphthalene	U	0.02	mg/L	0.02	SW846-8270	M
Nitrobenzene	U	0.02	mg/L	0.02	SW846-8270	M
N-Nitroso-di-n-propylamine	U	0.02	mg/L	0.02	SW846-8270	M
N-Nitrosodiphenylamine	U	0.02	mg/L	0.02	SW846-8270	M
Pentachlorophenol	U	0.02	mg/L	0.02	SW846-8270	M
Phenanthrene	U	0.02	mg/L	0.02	SW846-8270	M
Phenol	U	0.02	mg/L	0.02	SW846-8270	M
Pyrene	U	0.02	mg/L	0.02	SW846-8270	M
<b>VOA</b>						
1,1-Dichloroethene		0.012	mg/L	0.001	SW846-8021	M
cis-1,2-Dichloroethene		0.038	mg/L	0.001	SW846-8021	M
trans-1,2-Dichloroethene		0.0015	mg/L	0.001	SW846-8021	M
Trichloroethene		1	mg/L	0.001	SW846-8021	M
Vinyl chloride		0.0011	mg/L	0.001	SW846-8021	M
<b>WETCHEM</b>						
Cyanide	N	0.04	mg/L	0.02	SW846-9014	

DG-030

ERI99-W-DGC

Data Gaps Contingency

DG030WA085C-45

Collected: 8/11/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Arsenic		0.006	mg/L		0.005	SW846-7060
Barium		0.112	mg/L		0.05	SW846-6010A
Calcium		21.9	mg/L		0.5	SW846-6010A
Cobalt		0.066	mg/L		0.01	SW846-6010A
Iron		5.16	mg/L		0.2	SW846-6010A
Magnesium		8.85	mg/L		0.05	SW846-6010A
Manganese		1.87	mg/L		0.05	SW846-6010A
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Sodium	N	18.2	mg/L		2	SW846-6010A
Strontium		0.074	mg/L		0.05	SW846-6010A
<b>WETCHEM</b>						
Cyanide	NU	0.02	mg/L		0.02	SW846-9014

DG030WA085C-5

Collected: 8/11/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	NU	0.2	mg/L		0.2	SW846-6010A
Arsenic		0.006	mg/L		0.005	SW846-7060
Barium		0.113	mg/L		0.05	SW846-6010A
Calcium		21.2	mg/L		0.5	SW846-6010A
Cobalt		0.067	mg/L		0.01	SW846-6010A
Iron	BN	1.94	mg/L		0.2	SW846-6010A
Magnesium		8.72	mg/L		0.05	SW846-6010A
Manganese		1.51	mg/L		0.05	SW846-6010A
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Sodium	N	18.3	mg/L		2	SW846-6010A
Strontium		0.058	mg/L		0.05	SW846-6010A
<b>WETCHEM</b>						
Cyanide	NU	0.02	mg/L		0.02	SW846-9014

DG-030

ERI99-W-DGC

## Data Gaps Contingency

DG030WA090C

Collected: 8/11/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum		8.7	mg/L		0.2	SW846-6010A
Arsenic		0.01	mg/L		0.005	SW846-7060
Barium		0.232	mg/L		0.05	SW846-6010A
Beryllium	BU	0.005	mg/L		0.005	SW846-6010A
Boron	BNU	2	mg/L		2	SW846-6010A
Cadmium	*BNU	0.005	mg/L		0.005	SW846-7131
Calcium		25	mg/L		0.5	SW846-6010A
Chromium	BU	0.05	mg/L		0.05	SW846-6010A
Cobalt		0.062	mg/L		0.01	SW846-6010A
Copper	BU	0.05	mg/L		0.05	SW846-6010A
Iron		67.3	mg/L		0.2	SW846-6010A
Lithium	U	0.05	mg/L		0.05	SW846-6010A
Magnesium		11	mg/L		0.05	SW846-6010A
Manganese		1.74	mg/L		0.05	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel		0.059	mg/L		0.05	SW846-6010A
Potassium		2.16	mg/L		2	SW846-6010A
Selenium	U	0.005	mg/L		0.005	SW846-7740
Silver	BU	0.05	mg/L		0.05	SW846-6010A
Sodium		16.7	mg/L		2	SW846-6010A
Strontium		0.058	mg/L		0.05	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Vanadium	U	0.1	mg/L		0.1	SW846-6010A
Zinc	BU	0.2	mg/L		0.2	SW846-6010A
<b>RADS</b>						
Alpha activity		3.2	pCi/L	1.4	1.9	SW846-9310
Beta activity		17.8	pCi/L	2	2.3	SW846-9310
Technetium-99		28.9	pCi/L	8.2	12	DNT
<b>SVOA</b>						
1,2,4-Trichlorobenzene	U	0.02	mg/L		0.02	SW846-8270 M
1,2-Dichlorobenzene	U	0.02	mg/L		0.02	SW846-8270 M
1,3-Dichlorobenzene	U	0.02	mg/L		0.02	SW846-8270 M
1,4-Dichlorobenzene	U	0.02	mg/L		0.02	SW846-8270 M
2,4,5-Trichlorophenol	U	0.02	mg/L		0.02	SW846-8270 M
2,4,6-Trichlorophenol	U	0.02	mg/L		0.02	SW846-8270 M
2,4-Dichlorophenol	U	0.02	mg/L		0.02	SW846-8270 M
2,4-Dimethylphenol	U	0.02	mg/L		0.02	SW846-8270 M
2,4-Dinitrotoluene	U	0.02	mg/L		0.02	SW846-8270 M
2,6-Dinitrotoluene	U	0.02	mg/L		0.02	SW846-8270 M
2-Chloronaphthalene	U	0.02	mg/L		0.02	SW846-8270 M
2-Chlorophenol	U	0.02	mg/L		0.02	SW846-8270 M
2-Methyl-4,6-dinitrophenol	U	0.02	mg/L		0.02	SW846-8270 M
2-Methylnaphthalene	U	0.02	mg/L		0.02	SW846-8270 M
2-Methylphenol	U	0.02	mg/L		0.02	SW846-8270 M
2-Nitrobenzenamine	U	0.02	mg/L		0.02	SW846-8270 M
2-Nitrophenol	U	0.02	mg/L		0.02	SW846-8270 M
3,3'-Dichlorobenzidine	U	0.02	mg/L		0.02	SW846-8270 M
3-Nitrobenzenamine	U	0.02	mg/L		0.02	SW846-8270 M
4-Bromophenyl phenyl ether	U	0.02	mg/L		0.02	SW846-8270 M

## DG-030

## ERI99-W-DGC

## Data Gaps Contingency

4-Chloro-3-methylphenol	U	0.02 mg/L	0.02	SW846-8270 M
4-Chlorobenzeneamine	U	0.02 mg/L	0.02	SW846-8270 M
4-Chlorophenyl phenyl ether	U	0.02 mg/L	0.02	SW846-8270 M
4-Methylphenol	U	0.02 mg/L	0.02	SW846-8270 M
4-Nitrobenzeneamine	U	0.02 mg/L	0.02	SW846-8270 M
4-Nitrophenol	U	0.02 mg/L	0.02	SW846-8270 M
Acenaphthene	U	0.02 mg/L	0.02	SW846-8270 M
Acenaphthylene	U	0.02 mg/L	0.02	SW846-8270 M
Anthracene	U	0.02 mg/L	0.02	SW846-8270 M
Benz(a)anthracene	U	0.02 mg/L	0.02	SW846-8270 M
Benzo(a)pyrene	U	0.02 mg/L	0.02	SW846-8270 M
Benzo(b)fluoranthene	U	0.02 mg/L	0.02	SW846-8270 M
Benzo(ghi)perylene	U	0.02 mg/L	0.02	SW846-8270 M
Benzo(k)fluoranthene	U	0.02 mg/L	0.02	SW846-8270 M
Bis(2-chloroethoxy)methane	U	0.02 mg/L	0.02	SW846-8270 M
Bis(2-chloroethyl) ether	U	0.02 mg/L	0.02	SW846-8270 M
Bis(2-chloroisopropyl) ether	U	0.02 mg/L	0.02	SW846-8270 M
Bis(2-ethylhexyl)phthalate	U	0.02 mg/L	0.02	SW846-8270 M
Carbazole	U	0.02 mg/L	0.02	SW846-8270 M
Chrysene	U	0.02 mg/L	0.02	SW846-8270 M
Dibenz(a,h)anthracene	U	0.02 mg/L	0.02	SW846-8270 M
Dibenzofuran	U	0.02 mg/L	0.02	SW846-8270 M
Diethyl phthalate	U	0.02 mg/L	0.02	SW846-8270 M
Dimethyl phthalate	U	0.02 mg/L	0.02	SW846-8270 M
Di-n-butyl phthalate	U	0.02 mg/L	0.02	SW846-8270 M
Di-n-octylphthalate	U	0.02 mg/L	0.02	SW846-8270 M
Fluoranthene	U	0.02 mg/L	0.02	SW846-8270 M
Fluorene	U	0.02 mg/L	0.02	SW846-8270 M
Hexachlorobenzene	U	0.02 mg/L	0.02	SW846-8270 M
Hexachlorobutadiene	U	0.02 mg/L	0.02	SW846-8270 M
Hexachlorocyclopentadiene	U	0.02 mg/L	0.02	SW846-8270 M
Hexachloroethane	U	0.02 mg/L	0.02	SW846-8270 M
Indeno(1,2,3-cd)pyrene	U	0.02 mg/L	0.02	SW846-8270 M
Isophorone	U	0.02 mg/L	0.02	SW846-8270 M
Naphthalene	U	0.02 mg/L	0.02	SW846-8270 M
Nitrobenzene	U	0.02 mg/L	0.02	SW846-8270 M
N-Nitroso-di-n-propylamine	U	0.02 mg/L	0.02	SW846-8270 M
N-Nitrosodiphenylamine	U	0.02 mg/L	0.02	SW846-8270 M
Pentachlorophenol	U	0.02 mg/L	0.02	SW846-8270 M
Phenanthrene	U	0.02 mg/L	0.02	SW846-8270 M
Phenol	U	0.02 mg/L	0.02	SW846-8270 M
Pyrene	U	0.02 mg/L	0.02	SW846-8270 M
<b>VOA</b>				
1,1-Dichloroethene		0.041 mg/L	0.001	SW846-8021 M
cis-1,2-Dichloroethene		0.1 mg/L	0.001	SW846-8021 M
trans-1,2-Dichloroethene		0.018 mg/L	0.001	SW846-8021 M
Trichloroethene		4.5 mg/L	0.001	SW846-8021 M
Vinyl chloride		0.0019 mg/L	0.001	SW846-8021 M
<b>WETCHEM</b>				
Cyanide	NU	0.02 mg/L	0.02	SW846-9014

DG-030

ERI99-W-DGC

Data Gaps Contingency

DG030WA090C-45

Collected: 8/11/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Arsenic		0.01	mg/L		0.005	SW846-7060
Barium		0.131	mg/L		0.05	SW846-6010A
Calcium		24.1	mg/L		0.5	SW846-6010A
Cobalt		0.022	mg/L		0.01	SW846-6010A
Iron	U	0.2	mg/L		0.2	SW846-6010A
Magnesium		9.8	mg/L		0.05	SW846-6010A
Manganese		0.742	mg/L		0.05	SW846-6010A
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Potassium	NU	2	mg/L		2	SW846-6010A
Sodium	N	17.2	mg/L		2	SW846-6010A
Strontium		0.051	mg/L		0.05	SW846-6010A

DG030WA090C-5

Collected: 8/11/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	NU	0.2	mg/L		0.2	SW846-6010A
Arsenic		0.01	mg/L		0.005	SW846-7060
Barium		0.144	mg/L		0.05	SW846-6010A
Calcium		24.3	mg/L		0.5	SW846-6010A
Cobalt		0.031	mg/L		0.01	SW846-6010A
Iron	BNU	0.2	mg/L		0.2	SW846-6010A
Magnesium		9.87	mg/L		0.05	SW846-6010A
Manganese		0.941	mg/L		0.05	SW846-6010A
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Potassium	NU	2	mg/L		2	SW846-6010A
Sodium	N	17.4	mg/L		2	SW846-6010A
Strontium		0.052	mg/L		0.05	SW846-6010A



DG-030

ERI99-W-DGC

## Data Gaps Contingency

DG030WA095C

Collected: 8/11/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	*BN	1.07	mg/L		0.2	SW846-6010A
Arsenic	NW	0.018	mg/L		0.005	SW846-7060
Barium		0.13	mg/L		0.05	SW846-6010A
Beryllium	BU	0.005	mg/L		0.005	SW846-6010A
Boron	*BNU	2	mg/L		2	SW846-6010A
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Calcium		27.9	mg/L		0.5	SW846-6010A
Chromium	BU	0.05	mg/L		0.05	SW846-6010A
Cobalt	U	0.01	mg/L		0.01	SW846-6010A
Copper	BU	0.05	mg/L		0.05	SW846-6010A
Iron	*N	7.38	mg/L		0.2	SW846-6010A
Lithium	BU	0.05	mg/L		0.05	SW846-6010A
Magnesium		11.3	mg/L		0.05	SW846-6010A
Manganese		0.149	mg/L		0.05	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Potassium	U	2	mg/L		2	SW846-6010A
Selenium	*NUW	0.005	mg/L		0.005	SW846-7740
Silver	BU	0.05	mg/L		0.05	SW846-6010A
Sodium		16.2	mg/L		2	SW846-6010A
Strontium		0.055	mg/L		0.05	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Vanadium	U	0.1	mg/L		0.1	SW846-6010A
Zinc	BU	0.2	mg/L		0.2	SW846-6010A
<b>RADS</b>						
Alpha activity	U	1.8	pCi/L	1.3	1.9	SW846-9310
Beta activity		18.6	pCi/L	2	2.3	SW846-9310
Technetium-99		39	pCi/L	8.5	12	DNT
<b>SVOA</b>						
1,2,4-Trichlorobenzene	U	0.02	mg/L		0.02	SW846-8270 M
1,2-Dichlorobenzene	U	0.02	mg/L		0.02	SW846-8270 M
1,3-Dichlorobenzene	U	0.02	mg/L		0.02	SW846-8270 M
1,4-Dichlorobenzene	U	0.02	mg/L		0.02	SW846-8270 M
2,4,5-Trichlorophenol	U	0.02	mg/L		0.02	SW846-8270 M
2,4,6-Trichlorophenol	U	0.02	mg/L		0.02	SW846-8270 M
2,4-Dichlorophenol	U	0.02	mg/L		0.02	SW846-8270 M
2,4-Dimethylphenol	U	0.02	mg/L		0.02	SW846-8270 M
2,4-Dinitrophenol	U	0.02	mg/L		0.02	SW846-8270 M
2,4-Dinitrotoluene	U	0.02	mg/L		0.02	SW846-8270 M
2,6-Dinitrotoluene	U	0.02	mg/L		0.02	SW846-8270 M
2-Chloronaphthalene	U	0.02	mg/L		0.02	SW846-8270 M
2-Chlorophenol	U	0.02	mg/L		0.02	SW846-8270 M
2-Methyl-4,6-dinitrophenol	U	0.02	mg/L		0.02	SW846-8270 M
2-Methylnaphthalene	U	0.02	mg/L		0.02	SW846-8270 M
2-Methylphenol	U	0.02	mg/L		0.02	SW846-8270 M
2-Nitrobenzenamine	U	0.02	mg/L		0.02	SW846-8270 M
2-Nitrophenol	U	0.02	mg/L		0.02	SW846-8270 M
3,3'-Dichlorobenzidine	U	0.02	mg/L		0.02	SW846-8270 M
3-Nitrobenzenamine	U	0.02	mg/L		0.02	SW846-8270 M

## DG-030

## ERI99-W-DGC

## Data Gaps Contingency

4-Bromophenyl phenyl ether	U	0.02	mg/L	0.02	SW846-8270 M
4-Chloro-3-methylphenol	U	0.02	mg/L	0.02	SW846-8270 M
4-Chlorobenzeneamine	U	0.02	mg/L	0.02	SW846-8270 M
4-Chlorophenyl phenyl ether	U	0.02	mg/L	0.02	SW846-8270 M
4-Methylphenol	U	0.02	mg/L	0.02	SW846-8270 M
4-Nitrobenzenamine	U	0.02	mg/L	0.02	SW846-8270 M
4-Nitrophenol	U	0.02	mg/L	0.02	SW846-8270 M
Acenaphthene	U	0.02	mg/L	0.02	SW846-8270 M
Acenaphthylene	U	0.02	mg/L	0.02	SW846-8270 M
Anthracene	U	0.02	mg/L	0.02	SW846-8270 M
Benz(a)anthracene	U	0.02	mg/L	0.02	SW846-8270 M
Benzo(a)pyrene	U	0.02	mg/L	0.02	SW846-8270 M
Benzo(b)fluoranthene	U	0.02	mg/L	0.02	SW846-8270 M
Benzo(ghi)perylene	U	0.02	mg/L	0.02	SW846-8270 M
Benzo(k)fluoranthene	U	0.02	mg/L	0.02	SW846-8270 M
Bis(2-chloroethoxy)methane	U	0.02	mg/L	0.02	SW846-8270 M
Bis(2-chloroethyl) ether	U	0.02	mg/L	0.02	SW846-8270 M
Bis(2-chloroisopropyl) ether	U	0.02	mg/L	0.02	SW846-8270 M
Bis(2-ethylhexyl)phthalate	U	0.02	mg/L	0.02	SW846-8270 M
Butyl benzyl phthalate	U	0.02	mg/L	0.02	SW846-8270 M
Carbazole	U	0.02	mg/L	0.02	SW846-8270 M
Chrysene	U	0.02	mg/L	0.02	SW846-8270 M
Dibenz(a,h)anthracene	U	0.02	mg/L	0.02	SW846-8270 M
Dibenzofuran	U	0.02	mg/L	0.02	SW846-8270 M
Diethyl phthalate	U	0.02	mg/L	0.02	SW846-8270 M
Dimethyl phthalate	U	0.02	mg/L	0.02	SW846-8270 M
Di-n-butyl phthalate	U	0.02	mg/L	0.02	SW846-8270 M
Di-n-octylphthalate	U	0.02	mg/L	0.02	SW846-8270 M
Fluoranthene	U	0.02	mg/L	0.02	SW846-8270 M
Fluorene	U	0.02	mg/L	0.02	SW846-8270 M
Hexachlorobenzene	U	0.02	mg/L	0.02	SW846-8270 M
Hexachlorobutadiene	U	0.02	mg/L	0.02	SW846-8270 M
Hexachlorocyclopentadiene	U	0.02	mg/L	0.02	SW846-8270 M
Hexachloroethane	U	0.02	mg/L	0.02	SW846-8270 M
Indeno(1,2,3-cd)pyrene	U	0.02	mg/L	0.02	SW846-8270 M
Isophorone	U	0.02	mg/L	0.02	SW846-8270 M
Naphthalene	U	0.02	mg/L	0.02	SW846-8270 M
Nitrobenzene	U	0.02	mg/L	0.02	SW846-8270 M
N-Nitroso-di-n-propylamine	U	0.02	mg/L	0.02	SW846-8270 M
N-Nitrosodiphenylamine	U	0.02	mg/L	0.02	SW846-8270 M
Pentachlorophenol	U	0.02	mg/L	0.02	SW846-8270 M
Phenanthrene	U	0.02	mg/L	0.02	SW846-8270 M
Phenol	U	0.02	mg/L	0.02	SW846-8270 M
Pyrene	U	0.02	mg/L	0.02	SW846-8270 M
<b>VOA</b>					
1,1-Dichloroethene		0.042	mg/L	0.001	SW846-8021 M
cis-1,2-Dichloroethene		0.2	mg/L	0.001	SW846-8021 M
trans-1,2-Dichloroethene		0.0093	mg/L	0.001	SW846-8021 M
Trichloroethene		10	mg/L	0.001	SW846-8021 M
Vinyl chloride		0.0033	mg/L	0.001	SW846-8021 M
<b>WETCHEM</b>					
Cyanide	NU	0.02	mg/L	0.02	SW846-9014

DG-030

ERI99-W-DGC

Data Gaps Contingency

DG030WA095C-45

Collected: 8/11/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Arsenic	W	0.023	mg/L		0.005	SW846-7060
Barium		0.122	mg/L		0.05	SW846-6010A
Calcium	N	27.1	mg/L		0.5	SW846-6010A
Iron	B	0.776	mg/L		0.2	SW846-6010A
Magnesium		10.9	mg/L		0.05	SW846-6010A
Manganese		0.187	mg/L		0.05	SW846-6010A
Sodium		16.6	mg/L		2	SW846-6010A
Strontium		0.052	mg/L		0.05	SW846-6010A

DG030WA095C-5

Collected: 8/11/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Arsenic	W	0.023	mg/L		0.005	SW846-7060
Barium		0.118	mg/L		0.05	SW846-6010A
Calcium	N	27.5	mg/L		0.5	SW846-6010A
Iron		0.444	mg/L		0.2	SW846-6010A
Magnesium		10.8	mg/L		0.05	SW846-6010A
Manganese		0.12	mg/L		0.05	SW846-6010A
Sodium	J	17.4	mg/L		2	SW846-6010A
Strontium		0.052	mg/L		0.05	SW846-6010A

DG-030

ERI99-W-DGC

## Data Gaps Contingency

DG030WA100C

Collected: 8/11/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	*N	15.2	mg/L		0.2	SW846-6010A
Arsenic	NW	0.014	mg/L		0.005	SW846-7060
Barium		0.339	mg/L		0.05	SW846-6010A
Beryllium	BU	0.005	mg/L		0.005	SW846-6010A
Boron	*BNU	2	mg/L		2	SW846-6010A
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Calcium		25.4	mg/L		0.5	SW846-6010A
Chromium	BU	0.05	mg/L		0.05	SW846-6010A
Cobalt		0.094	mg/L		0.01	SW846-6010A
Copper	BU	0.05	mg/L		0.05	SW846-6010A
Iron	*N	133	mg/L		0.2	SW846-6010A
Lithium	BU	0.05	mg/L		0.05	SW846-6010A
Magnesium		11	mg/L		0.05	SW846-6010A
Manganese		1.77	mg/L		0.05	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Potassium		2.37	mg/L		2	SW846-6010A
Selenium	*NUW	0.005	mg/L		0.005	SW846-7740
Silver	BU	0.05	mg/L		0.05	SW846-6010A
Sodium		15.7	mg/L		2	SW846-6010A
Strontium		0.074	mg/L		0.05	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Vanadium	U	0.1	mg/L		0.1	SW846-6010A
Zinc	B	0.23	mg/L		0.2	SW846-6010A
<b>RADS</b>						
Alpha activity		2.9	pCi/L	1.3	1.7	SW846-9310
Beta activity		14.1	pCi/L	1.9	2.3	SW846-9310
Technetium-99		21.7	pCi/L	6.6	10	DNT
<b>SVOA</b>						
1,2,4-Trichlorobenzene	U	0.02	mg/L		0.02	SW846-8270 M
1,2-Dichlorobenzene	U	0.02	mg/L		0.02	SW846-8270 M
1,3-Dichlorobenzene	U	0.02	mg/L		0.02	SW846-8270 M
1,4-Dichlorobenzene	U	0.02	mg/L		0.02	SW846-8270 M
2,4,5-Trichlorophenol	U	0.02	mg/L		0.02	SW846-8270 M
2,4,6-Trichlorophenol	U	0.02	mg/L		0.02	SW846-8270 M
2,4-Dichlorophenol	U	0.02	mg/L		0.02	SW846-8270 M
2,4-Dimethylphenol	U	0.02	mg/L		0.02	SW846-8270 M
2,4-Dinitrotoluene	U	0.02	mg/L		0.02	SW846-8270 M
2,6-Dinitrotoluene	U	0.02	mg/L		0.02	SW846-8270 M
2-Chloronaphthalene	U	0.02	mg/L		0.02	SW846-8270 M
2-Chlorophenol	U	0.02	mg/L		0.02	SW846-8270 M
2-Methyl-4,6-dinitrophenol	U	0.02	mg/L		0.02	SW846-8270 M
2-Methylnaphthalene	U	0.02	mg/L		0.02	SW846-8270 M
2-Methylphenol	U	0.02	mg/L		0.02	SW846-8270 M
2-Nitrobenzenamine	U	0.02	mg/L		0.02	SW846-8270 M
2-Nitrophenol	U	0.02	mg/L		0.02	SW846-8270 M
3,3'-Dichlorobenzidine	U	0.02	mg/L		0.02	SW846-8270 M
3-Nitrobenzenamine	U	0.02	mg/L		0.02	SW846-8270 M
4-Bromophenyl phenyl ether	U	0.02	mg/L		0.02	SW846-8270 M

**DG-030****ERI99-W-DGC****Data Gaps Contingency**

4-Chloro-3-methylphenol	U	0.02 mg/L	0.02	SW846-8270 M
4-Chlorobenzeneamine	U	0.02 mg/L	0.02	SW846-8270 M
4-Chlorophenyl phenyl ether	U	0.02 mg/L	0.02	SW846-8270 M
4-Methylphenol	U	0.02 mg/L	0.02	SW846-8270 M
4-Nitrobenzenamine	U	0.02 mg/L	0.02	SW846-8270 M
4-Nitrophenol	U	0.02 mg/L	0.02	SW846-8270 M
Acenaphthene	U	0.02 mg/L	0.02	SW846-8270 M
Acenaphthylene	U	0.02 mg/L	0.02	SW846-8270 M
Anthracene	U	0.02 mg/L	0.02	SW846-8270 M
Benz(a)anthracene	U	0.02 mg/L	0.02	SW846-8270 M
Benzo(a)pyrene	U	0.02 mg/L	0.02	SW846-8270 M
Benzo(b)fluoranthene	U	0.02 mg/L	0.02	SW846-8270 M
Benzo(ghi)perylene	U	0.02 mg/L	0.02	SW846-8270 M
Benzo(k)fluoranthene	U	0.02 mg/L	0.02	SW846-8270 M
Bis(2-chloroethoxy)methane	U	0.02 mg/L	0.02	SW846-8270 M
Bis(2-chloroethyl) ether	U	0.02 mg/L	0.02	SW846-8270 M
Bis(2-chloroisopropyl) ether	U	0.02 mg/L	0.02	SW846-8270 M
Bis(2-ethylhexyl)phthalate	U	0.02 mg/L	0.02	SW846-8270 M
Carbazole	U	0.02 mg/L	0.02	SW846-8270 M
Chrysene	U	0.02 mg/L	0.02	SW846-8270 M
Dibenz(a,h)anthracene	U	0.02 mg/L	0.02	SW846-8270 M
Dibenzofuran	U	0.02 mg/L	0.02	SW846-8270 M
Diethyl phthalate	U	0.02 mg/L	0.02	SW846-8270 M
Dimethyl phthalate	U	0.02 mg/L	0.02	SW846-8270 M
Di-n-butyl phthalate	U	0.02 mg/L	0.02	SW846-8270 M
Di-n-octylphthalate	U	0.02 mg/L	0.02	SW846-8270 M
Fluoranthene	U	0.02 mg/L	0.02	SW846-8270 M
Fluorene	U	0.02 mg/L	0.02	SW846-8270 M
Hexachlorobenzene	U	0.02 mg/L	0.02	SW846-8270 M
Hexachlorobutadiene	U	0.02 mg/L	0.02	SW846-8270 M
Hexachlorocyclopentadiene	U	0.02 mg/L	0.02	SW846-8270 M
Hexachloroethane	U	0.02 mg/L	0.02	SW846-8270 M
Indeno(1,2,3-cd)pyrene	U	0.02 mg/L	0.02	SW846-8270 M
Isophorone	U	0.02 mg/L	0.02	SW846-8270 M
Naphthalene	U	0.02 mg/L	0.02	SW846-8270 M
Nitrobenzene	U	0.02 mg/L	0.02	SW846-8270 M
N-Nitroso-di-n-propylamine	U	0.02 mg/L	0.02	SW846-8270 M
N-Nitrosodiphenylamine	U	0.02 mg/L	0.02	SW846-8270 M
Pentachlorophenol	U	0.02 mg/L	0.02	SW846-8270 M
Phenanthrene	U	0.02 mg/L	0.02	SW846-8270 M
Phenol	U	0.02 mg/L	0.02	SW846-8270 M
Pyrene	U	0.02 mg/L	0.02	SW846-8270 M
<b>VOA</b>				
1,1-Dichloroethene		0.035 mg/L	0.001	SW846-8021 M
cis-1,2-Dichloroethene		0.15 mg/L	0.001	SW846-8021 M
trans-1,2-Dichloroethene		0.0064 mg/L	0.001	SW846-8021 M
Trichloroethene		3.7 mg/L	0.001	SW846-8021 M
Vinyl chloride		0.0015 mg/L	0.001	SW846-8021 M
<b>WETCHEM</b>				
Cyanide	N	0.03 mg/L	0.02	SW846-9014

DG-030

ERI99-W-DGC

Data Gaps Contingency

DG030WA100C-45

Collected: 8/11/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Arsenic	W	0.015	mg/L		0.005	SW846-7060
Barium		0.17	mg/L		0.05	SW846-6010A
Calcium	N	23.8	mg/L		0.5	SW846-6010A
Cobalt		0.028	mg/L		0.01	SW846-6010A
Iron	B	0.697	mg/L		0.2	SW846-6010A
Magnesium		9.45	mg/L		0.05	SW846-6010A
Manganese		0.647	mg/L		0.05	SW846-6010A
Potassium	U	2	mg/L		2	SW846-6010A
Sodium		15.9	mg/L		2	SW846-6010A
Strontium	U	0.05	mg/L		0.05	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A
<b>WETCHEM</b>						
Cyanide	NU	0.02	mg/L		0.02	SW846-9014

DG030WA100C-5

Collected: 8/11/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Arsenic	W	0.016	mg/L		0.005	SW846-7060
Barium		0.182	mg/L		0.05	SW846-6010A
Calcium	N	24	mg/L		0.5	SW846-6010A
Cobalt		0.032	mg/L		0.01	SW846-6010A
Iron		0.874	mg/L		0.2	SW846-6010A
Magnesium		9.43	mg/L		0.05	SW846-6010A
Manganese		0.849	mg/L		0.05	SW846-6010A
Potassium	U	2	mg/L		2	SW846-6010A
Sodium	J	16.6	mg/L		2	SW846-6010A
Strontium	U	0.05	mg/L		0.05	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A
<b>WETCHEM</b>						
Cyanide	NU	0.02	mg/L		0.02	SW846-9014

DG-030

ERI99-W-DGC

Data Gaps Contingency

DG030WA105C

Collected: 8/11/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	*N	88.4	mg/L		0.2	SW846-6010A
Barium		1.26	mg/L		0.05	SW846-6010A
Beryllium	B	0.021	mg/L		0.005	SW846-6010A
Boron	*BNU	2	mg/L		2	SW846-6010A
Cadmium		0.007	mg/L		0.005	SW846-7131
Calcium		35.1	mg/L		0.5	SW846-6010A
Chromium	B	0.05	mg/L		0.05	SW846-6010A
Cobalt		0.571	mg/L		0.01	SW846-6010A
Copper	B	0.06	mg/L		0.05	SW846-6010A
Iron	*N	1110	mg/L		2	SW846-6010A
Lithium		0.09	mg/L		0.05	SW846-6010A
Magnesium		19.9	mg/L		0.05	SW846-6010A
Manganese		10.1	mg/L		0.05	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel	N	0.6	mg/L		0.5	SW846-6010A
Potassium		8.04	mg/L		2	SW846-6010A
Selenium	*NUW	0.005	mg/L		0.005	SW846-7740
Silver	BU	0.05	mg/L		0.05	SW846-6010A
Sodium	B	12.7	mg/L		2	SW846-6010A
Strontium		0.174	mg/L		0.05	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Vanadium		0.281	mg/L		0.1	SW846-6010A
Zinc		1.32	mg/L		0.2	SW846-6010A
<b>RADS</b>						
Alpha activity	U	1.34	pCi/L	0.94	1.4	SW846-9310
Beta activity		5.7	pCi/L	1.5	2.1	SW846-9310
Technetium-99		14.8	pCi/L	6.4	10	DNT
<b>SVOA</b>						
1,2,4-Trichlorobenzene	U	0.02	mg/L		0.02	SW846-8270 M
1,2-Dichlorobenzene	U	0.02	mg/L		0.02	SW846-8270 M
1,3-Dichlorobenzene	U	0.02	mg/L		0.02	SW846-8270 M
1,4-Dichlorobenzene	U	0.02	mg/L		0.02	SW846-8270 M
2,4,5-Trichlorophenol	U	0.02	mg/L		0.02	SW846-8270 M
2,4,6-Trichlorophenol	U	0.02	mg/L		0.02	SW846-8270 M
2,4-Dichlorophenol	U	0.02	mg/L		0.02	SW846-8270 M
2,4-Dimethylphenol	U	0.02	mg/L		0.02	SW846-8270 M
2,4-Dinitrotoluene	U	0.02	mg/L		0.02	SW846-8270 M
2,6-Dinitrotoluene	U	0.02	mg/L		0.02	SW846-8270 M
2-Chloronaphthalene	U	0.02	mg/L		0.02	SW846-8270 M
2-Chlorophenol	U	0.02	mg/L		0.02	SW846-8270 M
2-Methyl-4,6-dinitrophenol	U	0.02	mg/L		0.02	SW846-8270 M
2-Methylnaphthalene	U	0.02	mg/L		0.02	SW846-8270 M
2-Methylphenol	U	0.02	mg/L		0.02	SW846-8270 M
2-Nitrobenzenamine	U	0.02	mg/L		0.02	SW846-8270 M
2-Nitrophenol	U	0.02	mg/L		0.02	SW846-8270 M
3,3'-Dichlorobenzidine	U	0.02	mg/L		0.02	SW846-8270 M
3-Nitrobenzenamine	U	0.02	mg/L		0.02	SW846-8270 M
4-Bromophenyl phenyl ether	U	0.02	mg/L		0.02	SW846-8270 M
4-Chloro-3-methylphenol	U	0.02	mg/L		0.02	SW846-8270 M

**DG-030****ERI99-W-DGC****Data Gaps Contingency**

4-Chlorobenzamine	U	0.02	mg/L	0.02	SW846-8270 M
4-Chlorophenyl phenyl ether	U	0.02	mg/L	0.02	SW846-8270 M
4-Methylphenol	U	0.02	mg/L	0.02	SW846-8270 M
4-Nitrobenzamine	U	0.02	mg/L	0.02	SW846-8270 M
4-Nitrophenol	U	0.02	mg/L	0.02	SW846-8270 M
Acenaphthene	U	0.02	mg/L	0.02	SW846-8270 M
Acenaphthylene	U	0.02	mg/L	0.02	SW846-8270 M
Anthracene	U	0.02	mg/L	0.02	SW846-8270 M
Benz(a)anthracene	U	0.02	mg/L	0.02	SW846-8270 M
Benzo(a)pyrene	U	0.02	mg/L	0.02	SW846-8270 M
Benzo(b)fluoranthene	U	0.02	mg/L	0.02	SW846-8270 M
Benzo(ghi)perylene	U	0.02	mg/L	0.02	SW846-8270 M
Benzo(k)fluoranthene	U	0.02	mg/L	0.02	SW846-8270 M
Bis(2-chloroethoxy)methane	U	0.02	mg/L	0.02	SW846-8270 M
Bis(2-chloroethyl) ether	U	0.02	mg/L	0.02	SW846-8270 M
Bis(2-chloroisopropyl) ether	U	0.02	mg/L	0.02	SW846-8270 M
Bis(2-ethylhexyl)phthalate	U	0.02	mg/L	0.02	SW846-8270 M
Carbazole	U	0.02	mg/L	0.02	SW846-8270 M
Chrysene	U	0.02	mg/L	0.02	SW846-8270 M
Dibenz(a,h)anthracene	U	0.02	mg/L	0.02	SW846-8270 M
Dibenzofuran	U	0.02	mg/L	0.02	SW846-8270 M
Diethyl phthalate	U	0.02	mg/L	0.02	SW846-8270 M
Dimethyl phthalate	U	0.02	mg/L	0.02	SW846-8270 M
Di-n-butyl phthalate	U	0.02	mg/L	0.02	SW846-8270 M
Di-n-octylphthalate	U	0.02	mg/L	0.02	SW846-8270 M
Fluoranthene	U	0.02	mg/L	0.02	SW846-8270 M
Fluorene	U	0.02	mg/L	0.02	SW846-8270 M
Hexachlorobenzene	U	0.02	mg/L	0.02	SW846-8270 M
Hexachlorobutadiene	U	0.02	mg/L	0.02	SW846-8270 M
Hexachlorocyclopentadiene	U	0.02	mg/L	0.02	SW846-8270 M
Hexachloroethane	U	0.02	mg/L	0.02	SW846-8270 M
Indeno(1,2,3-cd)pyrene	U	0.02	mg/L	0.02	SW846-8270 M
Isophorone	U	0.02	mg/L	0.02	SW846-8270 M
Naphthalene	U	0.02	mg/L	0.02	SW846-8270 M
Nitrobenzene	U	0.02	mg/L	0.02	SW846-8270 M
N-Nitroso-di-n-propylamine	U	0.02	mg/L	0.02	SW846-8270 M
N-Nitrosodiphenylamine	U	0.02	mg/L	0.02	SW846-8270 M
Pentachlorophenol	U	0.02	mg/L	0.02	SW846-8270 M
Phenanthrene	U	0.02	mg/L	0.02	SW846-8270 M
Phenol	U	0.02	mg/L	0.02	SW846-8270 M
Pyrene	U	0.02	mg/L	0.02	SW846-8270 M
<b>VOA</b>					
1,1-Dichloroethene		0.006	mg/L	0.001	SW846-8021 M
cis-1,2-Dichloroethene		0.075	mg/L	0.001	SW846-8021 M
trans-1,2-Dichloroethene		0.0062	mg/L	0.001	SW846-8021 M
Trichloroethene		1.3	mg/L	0.001	SW846-8021 M
Vinyl chloride	U	0.001	mg/L	0.001	SW846-8021 M
<b>WETCHEM</b>					
Cyanide	NU	0.02	mg/L	0.02	SW846-9014



## DG-030

## ERI99-W-DGC

## Data Gaps Contingency

## DG030WA105C-45

Collected: 8/11/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium		0.153	mg/L		0.05	SW846-6010A
Beryllium	BU	0.005	mg/L		0.005	SW846-6010A
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Calcium	N	22.9	mg/L		0.5	SW846-6010A
Chromium	BU	0.05	mg/L		0.05	SW846-6010A
Cobalt		0.03	mg/L		0.01	SW846-6010A
Copper	BU	0.05	mg/L		0.05	SW846-6010A
Iron	BU	0.2	mg/L		0.2	SW846-6010A
Lithium	U	0.05	mg/L		0.05	SW846-6010A
Magnesium		7.96	mg/L		0.05	SW846-6010A
Manganese		0.802	mg/L		0.05	SW846-6010A
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Potassium	U	2	mg/L		2	SW846-6010A
Sodium		13.8	mg/L		2	SW846-6010A
Strontium	U	0.05	mg/L		0.05	SW846-6010A
Vanadium	U	0.1	mg/L		0.1	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A

## DG030WA105C-5

Collected: 8/11/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium		0.166	mg/L		0.05	SW846-6010A
Beryllium	BU	0.005	mg/L		0.005	SW846-6010A
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Calcium	N	20.2	mg/L		0.5	SW846-6010A
Chromium	BU	0.05	mg/L		0.05	SW846-6010A
Cobalt		0.037	mg/L		0.01	SW846-6010A
Copper	BU	0.05	mg/L		0.05	SW846-6010A
Iron	U	0.2	mg/L		0.2	SW846-6010A
Lithium	U	0.05	mg/L		0.05	SW846-6010A
Magnesium		7.97	mg/L		0.05	SW846-6010A
Manganese		1	mg/L		0.05	SW846-6010A
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Potassium	U	2	mg/L		2	SW846-6010A
Sodium	J	14.1	mg/L		2	SW846-6010A
Strontium	U	0.05	mg/L		0.05	SW846-6010A
Vanadium	U	0.1	mg/L		0.1	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A

DG-030

ERI99-W-DGC

## Data Gaps Contingency

DG030WA110C

Collected: 8/11/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	*N	17.4	mg/L		0.2	SW846-6010A
Barium		0.291	mg/L		0.05	SW846-6010A
Beryllium	BU	0.005	mg/L		0.005	SW846-6010A
Boron	*BNU	2	mg/L		2	SW846-6010A
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Calcium		26.1	mg/L		0.5	SW846-6010A
Chromium	BU	0.05	mg/L		0.05	SW846-6010A
Cobalt		0.017	mg/L		0.01	SW846-6010A
Copper	BU	0.05	mg/L		0.05	SW846-6010A
Iron	*N	54.4	mg/L		0.2	SW846-6010A
Lead		0.052	mg/L		0.05	SW846-7421 E3R0
Lithium	BU	0.05	mg/L		0.05	SW846-6010A
Magnesium		11.3	mg/L		0.05	SW846-6010A
Manganese		2.12	mg/L		0.05	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Potassium		4.84	mg/L		2	SW846-6010A
Selenium	*NUW	0.005	mg/L		0.005	SW846-7740
Silver	BU	0.05	mg/L		0.05	SW846-6010A
Sodium	B	12.7	mg/L		2	SW846-6010A
Strontium		0.16	mg/L		0.05	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Vanadium		0.199	mg/L		0.1	SW846-6010A
Zinc	BU	0.2	mg/L		0.2	SW846-6010A
<b>RADS</b>						
Alpha activity		4.3	pCi/L	1.2	1.4	SW846-9310
Beta activity		3.9	pCi/L	1.5	2.3	SW846-9310
Technetium-99		11.9	pCi/L	6.3	10	DNT
<b>SVOA</b>						
1,2,4-Trichlorobenzene	U	0.02	mg/L		0.02	SW846-8270 M
1,2-Dichlorobenzene	U	0.02	mg/L		0.02	SW846-8270 M
1,3-Dichlorobenzene	U	0.02	mg/L		0.02	SW846-8270 M
1,4-Dichlorobenzene	U	0.02	mg/L		0.02	SW846-8270 M
2,4,5-Trichlorophenol	U	0.02	mg/L		0.02	SW846-8270 M
2,4,6-Trichlorophenol	U	0.02	mg/L		0.02	SW846-8270 M
2,4-Dichlorophenol	U	0.02	mg/L		0.02	SW846-8270 M
2,4-Dimethylphenol	U	0.02	mg/L		0.02	SW846-8270 M
2,4-Dinitrotoluene	U	0.02	mg/L		0.02	SW846-8270 M
2,6-Dinitrotoluene	U	0.02	mg/L		0.02	SW846-8270 M
2-Chloronaphthalene	U	0.02	mg/L		0.02	SW846-8270 M
2-Chlorophenol	U	0.02	mg/L		0.02	SW846-8270 M
2-Methyl-4,6-dinitrophenol	U	0.02	mg/L		0.02	SW846-8270 M
2-Methylnaphthalene	U	0.02	mg/L		0.02	SW846-8270 M
2-Methylphenol	U	0.02	mg/L		0.02	SW846-8270 M
2-Nitrobenzenamine	U	0.02	mg/L		0.02	SW846-8270 M
2-Nitrophenol	U	0.02	mg/L		0.02	SW846-8270 M
3,3'-Dichlorobenzidine	U	0.02	mg/L		0.02	SW846-8270 M
3-Nitrobenzenamine	U	0.02	mg/L		0.02	SW846-8270 M
4-Bromophenyl phenyl ether	U	0.02	mg/L		0.02	SW846-8270 M

## DG-030

## ERI99-W-DGC

## Data Gaps Contingency

4-Chloro-3-methylphenol	U	0.02	mg/L	0.02	SW846-8270 M
4-Chlorobenzeneamine	U	0.02	mg/L	0.02	SW846-8270 M
4-Chlorophenyl phenyl ether	U	0.02	mg/L	0.02	SW846-8270 M
4-Methylphenol	U	0.02	mg/L	0.02	SW846-8270 M
4-Nitrobenzeneamine	U	0.02	mg/L	0.02	SW846-8270 M
4-Nitrophenol	U	0.02	mg/L	0.02	SW846-8270 M
Acenaphthene	U	0.02	mg/L	0.02	SW846-8270 M
Acenaphthylene	U	0.02	mg/L	0.02	SW846-8270 M
Anthracene	U	0.02	mg/L	0.02	SW846-8270 M
Benz(a)anthracene	U	0.02	mg/L	0.02	SW846-8270 M
Benzo(a)pyrene	U	0.02	mg/L	0.02	SW846-8270 M
Benzo(b)fluoranthene	U	0.02	mg/L	0.02	SW846-8270 M
Benzo(ghi)perylene	U	0.02	mg/L	0.02	SW846-8270 M
Benzo(k)fluoranthene	U	0.02	mg/L	0.02	SW846-8270 M
Bis(2-chloroethoxy)methane	U	0.02	mg/L	0.02	SW846-8270 M
Bis(2-chloroethyl) ether	U	0.02	mg/L	0.02	SW846-8270 M
Bis(2-chloroisopropyl) ether	U	0.02	mg/L	0.02	SW846-8270 M
Bis(2-ethylhexyl)phthalate	U	0.02	mg/L	0.02	SW846-8270 M
Carbazole	U	0.02	mg/L	0.02	SW846-8270 M
Chrysene	U	0.02	mg/L	0.02	SW846-8270 M
Dibenz(a,h)anthracene	U	0.02	mg/L	0.02	SW846-8270 M
Dibenzofuran	U	0.02	mg/L	0.02	SW846-8270 M
Diethyl phthalate	U	0.02	mg/L	0.02	SW846-8270 M
Dimethyl phthalate	U	0.02	mg/L	0.02	SW846-8270 M
Di-n-butyl phthalate	U	0.02	mg/L	0.02	SW846-8270 M
Di-n-octylphthalate	U	0.02	mg/L	0.02	SW846-8270 M
Fluoranthene	U	0.02	mg/L	0.02	SW846-8270 M
Fluorene	U	0.02	mg/L	0.02	SW846-8270 M
Hexachlorobenzene	U	0.02	mg/L	0.02	SW846-8270 M
Hexachlorobutadiene	U	0.02	mg/L	0.02	SW846-8270 M
Hexachlorocyclopentadiene	U	0.02	mg/L	0.02	SW846-8270 M
Hexachloroethane	U	0.02	mg/L	0.02	SW846-8270 M
Indeno(1,2,3-cd)pyrene	U	0.02	mg/L	0.02	SW846-8270 M
Isophorone	U	0.02	mg/L	0.02	SW846-8270 M
Naphthalene	U	0.02	mg/L	0.02	SW846-8270 M
Nitrobenzene	U	0.02	mg/L	0.02	SW846-8270 M
N-Nitroso-di-n-propylamine	U	0.02	mg/L	0.02	SW846-8270 M
N-Nitrosodiphenylamine	U	0.02	mg/L	0.02	SW846-8270 M
Pentachlorophenol	U	0.02	mg/L	0.02	SW846-8270 M
Phenanthrene	U	0.02	mg/L	0.02	SW846-8270 M
Phenol	U	0.02	mg/L	0.02	SW846-8270 M
Pyrene	U	0.02	mg/L	0.02	SW846-8270 M
<b>VOA</b>					
1,1-Dichloroethene	J	0.0006	mg/L	0.001	SW846-8021 M
cis-1,2-Dichloroethene	J	0.0002	mg/L	0.001	SW846-8021 M
trans-1,2-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
Trichloroethene		0.037	mg/L	0.001	SW846-8021 M
Vinyl chloride	J	0.0005	mg/L	0.001	SW846-8021 M
<b>WETCHEM</b>					
Cyanide	NU	0.02	mg/L	0.02	SW846-9014

DG-030

ERI99-W-DGC

Data Gaps Contingency

DG030WA110C-45

Collected: 8/11/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium		0.137	mg/L		0.05	SW846-6010A
Calcium	N	19.7	mg/L		0.5	SW846-6010A
Cobalt	U	0.01	mg/L		0.01	SW846-6010A
Iron		3.37	mg/L		0.2	SW846-6010A
Magnesium		7.71	mg/L		0.05	SW846-6010A
Manganese		1.25	mg/L		0.05	SW846-6010A
Potassium	U	2	mg/L		2	SW846-6010A
Sodium		12.6	mg/L		2	SW846-6010A
Strontium		0.111	mg/L		0.05	SW846-6010A
Vanadium	U	0.1	mg/L		0.1	SW846-6010A

DG030WA110C-5

Collected: 8/11/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum		0.392	mg/L		0.2	SW846-6010A
Barium		0.14	mg/L		0.05	SW846-6010A
Calcium	N	19.7	mg/L		0.5	SW846-6010A
Cobalt	U	0.01	mg/L		0.01	SW846-6010A
Iron		2.43	mg/L		0.2	SW846-6010A
Magnesium		7.67	mg/L		0.05	SW846-6010A
Manganese		1.26	mg/L		0.05	SW846-6010A
Potassium	U	2	mg/L		2	SW846-6010A
Sodium	J	13	mg/L		2	SW846-6010A
Strontium		0.111	mg/L		0.05	SW846-6010A
Vanadium	U	0.1	mg/L		0.1	SW846-6010A

DG-030

ERI99-W-DGC

## Data Gaps Contingency

DG030WA120C

Collected: 8/11/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	*N	283	mg/L		0.2	SW846-6010A
Arsenic	NW	0.013	mg/L		0.005	SW846-7060
Barium		3.4	mg/L		0.05	SW846-6010A
Beryllium		0.044	mg/L		0.005	SW846-6010A
Boron	*BN	2.47	mg/L		2	SW846-6010A
Cadmium		0.006	mg/L		0.005	SW846-7131
Calcium		146	mg/L		0.5	SW846-6010A
Chromium	BU	0.05	mg/L		0.05	SW846-6010A
Cobalt		0.519	mg/L		0.01	SW846-6010A
Copper		0.341	mg/L		0.05	SW846-6010A
Iron	*N	2360	mg/L		2	SW846-6010A
Lead		0.821	mg/L		0.05	SW846-7421 E3R0
Lithium		0.141	mg/L		0.05	SW846-6010A
Magnesium		61.7	mg/L		0.05	SW846-6010A
Manganese		18	mg/L		0.05	SW846-6010A
Mercury		0.0012	mg/L		0.0002	SW846-7470
Nickel	N	0.8	mg/L		0.5	SW846-6010A
Potassium		45.5	mg/L		2	SW846-6010A
Selenium	*NUW	0.005	mg/L		0.005	SW846-7740
Silver	BU	0.05	mg/L		0.05	SW846-6010A
Sodium	B	14.1	mg/L		2	SW846-6010A
Strontium		1.51	mg/L		0.05	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Vanadium		4.93	mg/L		0.1	SW846-6010A
Zinc		0.792	mg/L		0.2	SW846-6010A
<b>RADS</b>						
Alpha activity		2.7	pCi/L	1.1	1.5	SW846-9310
Beta activity		12.2	pCi/L	1.8	2.2	SW846-9310
Technetium-99		27.9	pCi/L	7.8	12	DNT
<b>SVOA</b>						
1,2,4-Trichlorobenzene	U	0.04	mg/L		0.04	SW846-8270 M
1,2-Dichlorobenzene	U	0.04	mg/L		0.04	SW846-8270 M
1,4-Dichlorobenzene	U	0.04	mg/L		0.04	SW846-8270 M
2,4,5-Trichlorophenol	U	0.04	mg/L		0.04	SW846-8270 M
2,4,6-Trichlorophenol	U	0.04	mg/L		0.04	SW846-8270 M
2,4-Dichlorophenol	U	0.04	mg/L		0.04	SW846-8270 M
2,4-Dimethylphenol	U	0.04	mg/L		0.04	SW846-8270 M
2,4-Dinitrophenol	U	0.04	mg/L		0.04	SW846-8270 M
2,4-Dinitrotoluene	U	0.04	mg/L		0.04	SW846-8270 M
2,6-Dinitrotoluene	U	0.04	mg/L		0.04	SW846-8270 M
2-Chloronaphthalene	U	0.04	mg/L		0.04	SW846-8270 M
2-Chlorophenol	U	0.04	mg/L		0.04	SW846-8270 M
2-Methyl-4,6-dinitrophenol	U	0.04	mg/L		0.04	SW846-8270 M
2-Methylnaphthalene	U	0.04	mg/L		0.04	SW846-8270 M
2-Methylphenol	U	0.04	mg/L		0.04	SW846-8270 M
2-Nitrobenzenamine	U	0.04	mg/L		0.04	SW846-8270 M
2-Nitrophenol	U	0.04	mg/L		0.04	SW846-8270 M
3,3'-Dichlorobenzidine	U	0.04	mg/L		0.04	SW846-8270 M
3-Nitrobenzenamine	U	0.04	mg/L		0.04	SW846-8270 M

## DG-030

## ERI99-W-DGC

## Data Gaps Contingency

4-Bromophenyl phenyl ether	U	0.04	mg/L	0.04	SW846-8270 M
4-Chloro-3-methylphenol	U	0.04	mg/L	0.04	SW846-8270 M
4-Chlorobenzeneamine	U	0.04	mg/L	0.04	SW846-8270 M
4-Chlorophenyl phenyl ether	U	0.04	mg/L	0.04	SW846-8270 M
4-Methylphenol	U	0.04	mg/L	0.04	SW846-8270 M
4-Nitrobenzeneamine	U	0.04	mg/L	0.04	SW846-8270 M
4-Nitrophenol	U	0.04	mg/L	0.04	SW846-8270 M
Acenaphthene	U	0.04	mg/L	0.04	SW846-8270 M
Acenaphthylene	U	0.04	mg/L	0.04	SW846-8270 M
Anthracene	U	0.04	mg/L	0.04	SW846-8270 M
Benz(a)anthracene	U	0.04	mg/L	0.04	SW846-8270 M
Benzo(a)pyrene	U	0.04	mg/L	0.04	SW846-8270 M
Benzo(b)fluoranthene	U	0.04	mg/L	0.04	SW846-8270 M
Benzo(ghi)perylene	U	0.04	mg/L	0.04	SW846-8270 M
Benzo(k)fluoranthene	U	0.04	mg/L	0.04	SW846-8270 M
Bis(2-chloroethoxy)methane	U	0.04	mg/L	0.04	SW846-8270 M
Bis(2-chloroethyl) ether	U	0.04	mg/L	0.04	SW846-8270 M
Bis(2-chloroisopropyl) ether	U	0.04	mg/L	0.04	SW846-8270 M
Bis(2-ethylhexyl)phthalate	U	0.04	mg/L	0.04	SW846-8270 M
Butyl benzyl phthalate	U	0.04	mg/L	0.04	SW846-8270 M
Carbazole	U	0.04	mg/L	0.04	SW846-8270 M
Chrysene	U	0.04	mg/L	0.04	SW846-8270 M
Dibenz(a,h)anthracene	U	0.04	mg/L	0.04	SW846-8270 M
Dibenzofuran	U	0.04	mg/L	0.04	SW846-8270 M
Diethyl phthalate	U	0.04	mg/L	0.04	SW846-8270 M
Dimethyl phthalate	U	0.04	mg/L	0.04	SW846-8270 M
Di-n-butyl phthalate	U	0.04	mg/L	0.04	SW846-8270 M
Fluoranthene	U	0.04	mg/L	0.04	SW846-8270 M
Fluorene	U	0.04	mg/L	0.04	SW846-8270 M
Hexachlorobenzene	U	0.04	mg/L	0.04	SW846-8270 M
Hexachlorobutadiene	U	0.04	mg/L	0.04	SW846-8270 M
Hexachlorocyclopentadiene	U	0.04	mg/L	0.04	SW846-8270 M
Hexachloroethane	U	0.04	mg/L	0.04	SW846-8270 M
Indeno(1,2,3-cd)pyrene	U	0.04	mg/L	0.04	SW846-8270 M
Isophorone	U	0.04	mg/L	0.04	SW846-8270 M
Naphthalene	U	0.04	mg/L	0.04	SW846-8270 M
Nitrobenzene	U	0.04	mg/L	0.04	SW846-8270 M
N-Nitroso-di-n-propylamine	U	0.04	mg/L	0.04	SW846-8270 M
N-Nitrosodiphenylamine	U	0.04	mg/L	0.04	SW846-8270 M
Pentachlorophenol	U	0.04	mg/L	0.04	SW846-8270 M
Phenanthrene	U	0.04	mg/L	0.04	SW846-8270 M
Phenol	U	0.04	mg/L	0.04	SW846-8270 M
Pyrene	U	0.04	mg/L	0.04	SW846-8270 M
<b>VOA</b>					
1,1-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
cis-1,2-Dichloroethene	U	0.001	mg/L	0.001	SW846-8021 M
trans-1,2-Dichloroethene	J	0.0002	mg/L	0.001	SW846-8021 M
Trichloroethene		0.0013	mg/L	0.001	SW846-8021 M
Vinyl chloride	U	0.001	mg/L	0.001	SW846-8021 M
<b>WETCHEM</b>					
Cyanide	NU	0.02	mg/L	0.02	SW846-9014

## DG-030

## ERI99-W-DGC

## Data Gaps Contingency

## DG030WA120C-45

Collected: 8/11/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium		0.12	mg/L		0.05	SW846-6010A
Beryllium	BU	0.005	mg/L		0.005	SW846-6010A
Boron	NU	2	mg/L		2	SW846-6010A
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Calcium	N	17.4	mg/L		0.5	SW846-6010A
Cobalt	U	0.01	mg/L		0.01	SW846-6010A
Copper	BU	0.05	mg/L		0.05	SW846-6010A
Iron	BU	0.2	mg/L		0.2	SW846-6010A
Lithium	U	0.05	mg/L		0.05	SW846-6010A
Magnesium		6.73	mg/L		0.05	SW846-6010A
Manganese		0.92	mg/L		0.05	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Potassium		3.22	mg/L		2	SW846-6010A
Sodium		13.3	mg/L		2	SW846-6010A
Strontium		0.156	mg/L		0.05	SW846-6010A
Vanadium	U	0.1	mg/L		0.1	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A

## DG030WA120C-5

Collected: 8/11/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum		0.458	mg/L		0.2	SW846-6010A
Barium		0.108	mg/L		0.05	SW846-6010A
Beryllium	BU	0.005	mg/L		0.005	SW846-6010A
Boron	NU	2	mg/L		2	SW846-6010A
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Calcium	N	17.7	mg/L		0.5	SW846-6010A
Cobalt	U	0.01	mg/L		0.01	SW846-6010A
Copper	BU	0.05	mg/L		0.05	SW846-6010A
Iron		0.366	mg/L		0.2	SW846-6010A
Lithium	U	0.05	mg/L		0.05	SW846-6010A
Magnesium		6.83	mg/L		0.05	SW846-6010A
Manganese		0.875	mg/L		0.05	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Potassium		3.53	mg/L		2	SW846-6010A
Sodium	J	14.2	mg/L		2	SW846-6010A
Strontium		0.161	mg/L		0.05	SW846-6010A
Vanadium	U	0.1	mg/L		0.1	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A

DG-030

ERI99-W-DGC

Data Gaps Contingency

DG030WD065C

Collected: 8/10/1999

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum		20.1	mg/L		0.2	SW846-6010A
Arsenic		0.009	mg/L		0.005	SW846-7060
Barium		1.25	mg/L		0.05	SW846-6010A
Beryllium	BU	0.005	mg/L		0.005	SW846-6010A
Boron	BNU	2	mg/L		2	SW846-6010A
Cadmium	*BNU	0.005	mg/L		0.005	SW846-7131
Calcium		20.7	mg/L		0.5	SW846-6010A
Chromium	BU	0.05	mg/L		0.05	SW846-6010A
Cobalt		0.108	mg/L		0.01	SW846-6010A
Copper	BU	0.05	mg/L		0.05	SW846-6010A
Iron		57.6	mg/L		0.2	SW846-6010A
Lithium	U	0.05	mg/L		0.05	SW846-6010A
Magnesium		8.99	mg/L		0.05	SW846-6010A
Manganese		20	mg/L		0.05	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel		0.096	mg/L		0.05	SW846-6010A
Potassium		2.71	mg/L		2	SW846-6010A
Selenium	U	0.005	mg/L		0.005	SW846-7740
Silver	BU	0.05	mg/L		0.05	SW846-6010A
Sodium		18.5	mg/L		2	SW846-6010A
Strontium		0.06	mg/L		0.05	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Vanadium	U	0.1	mg/L		0.1	SW846-6010A
Zinc	B	0.402	mg/L		0.2	SW846-6010A
<b>RADS</b>						
Alpha activity	U	1.7	pCi/L	2	3.3	SW846-9310
Beta activity		84.7	pCi/L	3.6	2.4	SW846-9310
Technetium-99		150	pCi/L	11	12	DNT
<b>SVOA</b>						
1,2,4-Trichlorobenzene	U	0.02	mg/L		0.02	SW846-8270 M
1,2-Dichlorobenzene	U	0.02	mg/L		0.02	SW846-8270 M
1,3-Dichlorobenzene	U	0.02	mg/L		0.02	SW846-8270 M
1,4-Dichlorobenzene	U	0.02	mg/L		0.02	SW846-8270 M
2,4,5-Trichlorophenol	U	0.02	mg/L		0.02	SW846-8270 M
2,4,6-Trichlorophenol	U	0.02	mg/L		0.02	SW846-8270 M
2,4-Dichlorophenol	U	0.02	mg/L		0.02	SW846-8270 M
2,4-Dimethylphenol	U	0.02	mg/L		0.02	SW846-8270 M
2,4-Dinitrotoluene	U	0.02	mg/L		0.02	SW846-8270 M
2,6-Dinitrotoluene	U	0.02	mg/L		0.02	SW846-8270 M
2-Chloronaphthalene	U	0.02	mg/L		0.02	SW846-8270 M
2-Chlorophenol	U	0.02	mg/L		0.02	SW846-8270 M
2-Methyl-4,6-dinitrophenol	U	0.02	mg/L		0.02	SW846-8270 M
2-Methylnaphthalene	U	0.02	mg/L		0.02	SW846-8270 M
2-Methylphenol	U	0.02	mg/L		0.02	SW846-8270 M
2-Nitrobenzenamine	U	0.02	mg/L		0.02	SW846-8270 M
2-Nitrophenol	U	0.02	mg/L		0.02	SW846-8270 M
3,3'-Dichlorobenzidine	U	0.02	mg/L		0.02	SW846-8270 M
3-Nitrobenzenamine	U	0.02	mg/L		0.02	SW846-8270 M
4-Bromophenyl phenyl ether	U	0.02	mg/L		0.02	SW846-8270 M



## DG-030

## ERI99-W-DGC

## Data Gaps Contingency

4-Chloro-3-methylphenol	U	0.02	mg/L	0.02	SW846-8270 M
4-Chlorobenzeneamine	U	0.02	mg/L	0.02	SW846-8270 M
4-Chlorophenyl phenyl ether	U	0.02	mg/L	0.02	SW846-8270 M
4-Methylphenol	U	0.02	mg/L	0.02	SW846-8270 M
4-Nitrobenzeneamine	U	0.02	mg/L	0.02	SW846-8270 M
4-Nitrophenol	U	0.02	mg/L	0.02	SW846-8270 M
Acenaphthene	U	0.02	mg/L	0.02	SW846-8270 M
Acenaphthylene	U	0.02	mg/L	0.02	SW846-8270 M
Anthracene	U	0.02	mg/L	0.02	SW846-8270 M
Benz(a)anthracene	U	0.02	mg/L	0.02	SW846-8270 M
Benzo(a)pyrene	U	0.02	mg/L	0.02	SW846-8270 M
Benzo(b)fluoranthene	U	0.02	mg/L	0.02	SW846-8270 M
Benzo(ghi)perylene	U	0.02	mg/L	0.02	SW846-8270 M
Benzo(k)fluoranthene	U	0.02	mg/L	0.02	SW846-8270 M
Bis(2-chloroethoxy)methane	U	0.02	mg/L	0.02	SW846-8270 M
Bis(2-chloroethyl) ether	U	0.02	mg/L	0.02	SW846-8270 M
Bis(2-chloroisopropyl) ether	U	0.02	mg/L	0.02	SW846-8270 M
Bis(2-ethylhexyl)phthalate	U	0.02	mg/L	0.02	SW846-8270 M
Carbazole	U	0.02	mg/L	0.02	SW846-8270 M
Chrysene	U	0.02	mg/L	0.02	SW846-8270 M
Dibenz(a,h)anthracene	U	0.02	mg/L	0.02	SW846-8270 M
Dibenzofuran	U	0.02	mg/L	0.02	SW846-8270 M
Diethyl phthalate	U	0.02	mg/L	0.02	SW846-8270 M
Dimethyl phthalate	U	0.02	mg/L	0.02	SW846-8270 M
Di-n-butyl phthalate	U	0.02	mg/L	0.02	SW846-8270 M
Di-n-octylphthalate	U	0.02	mg/L	0.02	SW846-8270 M
Fluoranthene	U	0.02	mg/L	0.02	SW846-8270 M
Fluorene	U	0.02	mg/L	0.02	SW846-8270 M
Hexachlorobenzene	U	0.02	mg/L	0.02	SW846-8270 M
Hexachlorobutadiene	U	0.02	mg/L	0.02	SW846-8270 M
Hexachlorocyclopentadiene	U	0.02	mg/L	0.02	SW846-8270 M
Hexachloroethane	U	0.02	mg/L	0.02	SW846-8270 M
Indeno(1,2,3-cd)pyrene	U	0.02	mg/L	0.02	SW846-8270 M
Isophorone	U	0.02	mg/L	0.02	SW846-8270 M
Naphthalene	U	0.02	mg/L	0.02	SW846-8270 M
Nitrobenzene	U	0.02	mg/L	0.02	SW846-8270 M
N-Nitroso-di-n-propylamine	U	0.02	mg/L	0.02	SW846-8270 M
N-Nitrosodiphenylamine	U	0.02	mg/L	0.02	SW846-8270 M
Pentachlorophenol	U	0.02	mg/L	0.02	SW846-8270 M
Phenanthrene	U	0.02	mg/L	0.02	SW846-8270 M
Phenol	U	0.02	mg/L	0.02	SW846-8270 M
Pyrene	U	0.02	mg/L	0.02	SW846-8270 M
<b>VOA</b>					
1,1-Dichloroethene		0.015	mg/L	0.001	SW846-8021 M
cis-1,2-Dichloroethene		0.05	mg/L	0.001	SW846-8021 M
trans-1,2-Dichloroethene		0.0088	mg/L	0.001	SW846-8021 M
Trichloroethene		1.1	mg/L	0.001	SW846-8021 M
Vinyl chloride	J	0.0009	mg/L	0.001	SW846-8021 M
<b>WETCHEM</b>					
Cyanide	UX	0.02	mg/L	0.02	SW846-9014

DG-030

ERI99-W-DGC

Data Gaps Contingency

DG030WD065C-45

Collected: 8/10/1999

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Arsenic		0.008	mg/L		0.005	SW846-7060
Barium		0.162	mg/L		0.05	SW846-6010A
Calcium		19.6	mg/L		0.5	SW846-6010A
Cobalt		0.014	mg/L		0.01	SW846-6010A
Iron	U	0.2	mg/L		0.2	SW846-6010A
Magnesium		8.15	mg/L		0.05	SW846-6010A
Manganese		3.4	mg/L		0.05	SW846-6010A
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Potassium	NU	2	mg/L		2	SW846-6010A
Sodium	N	19.6	mg/L		2	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A

DG030WD065C-5

Collected: 8/10/1999

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Aluminum	NU	0.2	mg/L		0.2	SW846-6010A
Arsenic		0.008	mg/L		0.005	SW846-7060
Barium		0.161	mg/L		0.05	SW846-6010A
Calcium		19.5	mg/L		0.5	SW846-6010A
Cobalt		0.014	mg/L		0.01	SW846-6010A
Iron	BNU	0.2	mg/L		0.2	SW846-6010A
Magnesium		8.12	mg/L		0.05	SW846-6010A
Manganese		3.25	mg/L		0.05	SW846-6010A
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Potassium	NU	2	mg/L		2	SW846-6010A
Sodium	N	19	mg/L		2	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A

**MW333**

**ERI-WAG22SP**

**WAG 22 Special Monitoring Well Sampling ERI-WAG22SP**

**5076-97**

Collected: 1/29/1997

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		48.33	ft			
Dissolved Oxygen		1.09	mg/L			
pH		6	Std Unit			
Specific Conductivity (PIP)		215	umho/cm			
Temperature		54	deg F			
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1-Dichloroethane	U	0.005	mg/L			SW846-8260
1,2-Dichloroethane	U	0.005	mg/L			SW846-8260
Benzene	U	0.005	mg/L			SW846-8260
Bromodichloromethane	U	0.005	mg/L			SW846-8260
Carbon tetrachloride	U	0.005	mg/L			SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L			SW846-8260
Ethylbenzene	U	0.005	mg/L			SW846-8260
Tetrachloroethene	U	0.005	mg/L			SW846-8260
Toluene	U	0.005	mg/L			SW846-8260
Total Xylene	U	0.005	mg/L			SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L			SW846-8260
Trichloroethene		0.005	mg/L			SW846-8260

MW337

ERI-WAG22SP

WAG 22 Special Monitoring Well Sampling ERI-WAG22SP

5077-97

Collected: 1/29/1997

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		45.58	ft			
Dissolved Oxygen		2.6	mg/L			
pH		5.8	Std Unit			
Specific Conductivity (PIP)		170	umho/cm			
Temperature		56	deg F			
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1-Dichloroethane	U	0.005	mg/L			SW846-8260
1,2-Dichloroethane	U	0.005	mg/L			SW846-8260
Benzene	U	0.005	mg/L			SW846-8260
Bromodichloromethane	U	0.005	mg/L			SW846-8260
Carbon tetrachloride	U	0.005	mg/L			SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L			SW846-8260
Ethylbenzene	U	0.005	mg/L			SW846-8260
Tetrachloroethene	U	0.005	mg/L			SW846-8260
Toluene	U	0.005	mg/L			SW846-8260
Total Xylene	U	0.005	mg/L			SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L			SW846-8260
Trichloroethene		0.01	mg/L			SW846-8260

MW338

ERI-WAG22SP

WAG 22 Special Monitoring Well Sampling ERI-WAG22SP

5078-97

Collected: 1/29/1997

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		45.93	ft			
Dissolved Oxygen		3.33	mg/L			
pH		5.8	Std Unit			
Specific Conductivity (PIP)		160	umho/cm			
Temperature		55	deg F			
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1-Dichloroethane	U	0.005	mg/L			SW846-8260
1,2-Dichloroethane	U	0.005	mg/L			SW846-8260
Benzene	U	0.005	mg/L			SW846-8260
Bromodichloromethane	U	0.005	mg/L			SW846-8260
Carbon tetrachloride	U	0.005	mg/L			SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L			SW846-8260
Ethylbenzene	U	0.005	mg/L			SW846-8260
Tetrachloroethene	U	0.005	mg/L			SW846-8260
Toluene	U	0.005	mg/L			SW846-8260
Total Xylene	U	0.005	mg/L			SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L			SW846-8260
Trichloroethene	U	0.001	mg/L			SW846-8260

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**720-026**

**ERI-WAG27B**

**WAG 27 RI Sampling**

**720026WA070**

Collected: 5/19/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Alkalinity		60	mg/L		5	EPA-310.1
Bromide	U	1	mg/L		1	EPA-300
Chloride		17	mg/L		1	EPA-300
Fluoride	U	0.5	mg/L		0.5	EPA-340.2
Nitrate as Nitrogen	U	1	mg/L		1	EPA-300
Nitrate/Nitrite	U	1	mg/L		1	EPA-300
Nitrite as Nitrogen	U	1	mg/L		1	EPA-300
Sulfate		9.4	mg/L		1	EPA-300
<b>Field P</b>						
Conductivity		352	umho/cm			
Dissolved Oxygen		1.7	%			
pH		6.1	Std Unit			
Temperature		21.55	deg C			
<b>METAL</b>						
Uranium	U	0.001	mg/L			IN7105
<b>RADS</b>						
Alpha activity		3.43963	pCi/L	2.0792	2.3673	DNT
Beta activity		4.40830	pCi/L	2.3282	4.5391	DNT
Technetium-99	A	-9.7	pCi/L	0		RL-7100
<b>VOA</b>						
cis-1,2-Dichloroethene	U	0.04	mg/L	0	0.04	SW846-8010 M
trans-1,2-Dichloroethene	U	0.04	mg/L	0	0.04	SW846-8010 M
Trichloroethene		0.1	mg/L	0	0.04	SW846-8010 M

720-026

ERI-WAG27B

WAG 27 RI Sampling

720026WA080

Collected: 5/20/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Alkalinity		54	mg/L		5	EPA-310.1
Bromide	U	1	mg/L		1	EPA-300
Chloride		65.5	mg/L		4	EPA-300
Fluoride	U	0.5	mg/L		0.5	EPA-340.2
Nitrate as Nitrogen	U	1	mg/L		1	EPA-300
Nitrate/Nitrite	U	1	mg/L		1	EPA-300
Nitrite as Nitrogen	U	1	mg/L		1	EPA-300
Sulfate		7.1	mg/L		1	EPA-300
<b>Field P</b>						
Conductivity		572	umho/cm			
Dissolved Oxygen		3.3	%			
pH		6.18	Std Unit			
Temperature		19.37	deg C			
<b>METAL</b>						
Aluminum		1.64	mg/L		0.0131	SW846-6010
Antimony	U	0.00522	mg/L		0.0052	SW846-6010
Arsenic	U	0.00083	mg/L		0.0008	SW846-7060
Barium		0.295	mg/L		0.0002	SW846-6010
Beryllium		0.00168	mg/L		0.0001	SW846-6010
Cadmium	B	0.00013	mg/L		0	SW846-7131
Calcium		26.4	mg/L		0.005	SW846-6010
Chromium		0.00752	mg/L		0.0013	SW846-6010
Cobalt		0.0111	mg/L		0.0008	SW846-6010
Copper	B	0.0036	mg/L		0.001	SW846-6010
Iron		64.3	mg/L		0.0235	SW846-6010
Lead	U	0.00093	mg/L		0.0009	SW846-7421
Magnesium		10.3	mg/L		0.0374	SW846-6010
Manganese		0.884	mg/L		0.0003	SW846-6010
Mercury	U	4.7E-05	mg/L		0	SW846-7470
Nickel		0.0411	mg/L		0.0012	SW846-6010
Potassium		0.934	mg/L		0.0205	SW846-6010
Selenium	U	0.00089	mg/L		0.0008	SW846-7740
Silver	U	0.0018	mg/L		0.0017	SW846-6010
Sodium		14.9	mg/L		0.0272	SW846-6010
Thallium	U	0.00116	mg/L		0.0011	SW846-7841
Vanadium	B	0.00368	mg/L		0.0014	SW846-6010
Zinc		0.1	mg/L		0.0008	SW846-6010
<b>METAL-D</b>						
Aluminum	U	0.01314	mg/L		0.0131	SW846-6010
Antimony	U	0.00522	mg/L		0.0052	SW846-6010
Arsenic	U	0.00083	mg/L		0.0008	SW846-7060
Barium		0.306	mg/L		0.0002	SW846-6010
Beryllium	U	0.00019	mg/L		0.0001	SW846-6010
Cadmium	B	0.00013	mg/L		0	SW846-7131
Calcium		28.3	mg/L		0.005	SW846-6010
Chromium	B	0.00476	mg/L		0.0013	SW846-6010
Cobalt	B	0.00403	mg/L		0.0008	SW846-6010
Copper	B	0.00167	mg/L		0.001	SW846-6010
Iron		0.803	mg/L		0.0235	SW846-6010

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ERI-WAG27B

WAG 27 RI Sampling

Lead	U	0.00093	mg/L	0.0009	SW846-7421
Magnesium		11	mg/L	0.0374	SW846-6010
Manganese		0.82	mg/L	0.0003	SW846-6010
Mercury	U	4.7E-05	mg/L	0	SW846-7470
Nickel		0.0217	mg/L	0.0012	SW846-6010
Potassium		1.23	mg/L	0.0205	SW846-6010
Selenium	U	0.00089	mg/L	0.0008	SW846-7740
Silver	U	0.0018	mg/L	0.0017	SW846-6010
Sodium		17.4	mg/L	0.0272	SW846-6010
Thallium	U	0.00116	mg/L	0.0011	SW846-7841
Vanadium	B	0.00276	mg/L	0.0014	SW846-6010
Zinc	B	0.00997	mg/L	0.0008	SW846-6010
<b>RADS</b>					
Alpha activity		1.81039	pCi/L	1.6494	2.5576 DNT
Beta activity		54.6576	pCi/L	5.8517	4.8167 DNT
<b>VOA</b>					
1,1,1,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethene	J	0.0035	mg/L	0	0.2 SW846-8010 M
1,1-Dichloroethene		0.012	mg/L	0.0029	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloroethane	U	0.00222	mg/L	0.0022	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	0.005	SW846-8260
2-Butanone	U	0.05	mg/L	0.05	SW846-8260
2-Chloro-1,3-butadiene	U	0.005	mg/L	0.005	SW846-8260
2-Chloroethyl vinyl ether	U	0.005	mg/L	0.005	SW846-8260
2-Hexanone	U	0.05	mg/L	0.05	SW846-8260
2-Propanol		0.54	mg/L	0.05	SW846-8260
4-Methyl-2-pentanone	U	0.05	mg/L	0.05	SW846-8260
Acetone	U	0.1	mg/L	0.1	SW846-8260
Acrolein	U	0.05	mg/L	0.05	SW846-8260
Acrylonitrile	U	0.05	mg/L	0.05	SW846-8260
Benzene	U	0.001	mg/L	0.001	SW846-8260
Bromodichloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromoform	U	0.005	mg/L	0.005	SW846-8260
Bromomethane	U	0.01	mg/L	0.01	SW846-8260
Carbon disulfide	U	0.005	mg/L	0.005	SW846-8260
Carbon tetrachloride	J	0.0042	mg/L	0.0016	SW846-8260
Chlorobenzene	U	0.005	mg/L	0.005	SW846-8260
Chloroethane	U	0.01	mg/L	0.01	SW846-8260
Chloroform	J	0.0021	mg/L	0.0018	SW846-8260
Chloromethane	U	0.01	mg/L	0.01	SW846-8260
cis-1,2-Dichloroethene	U	0.2	mg/L	0	0.2 SW846-8010 M
cis-1,2-Dichloroethene		0.0079	mg/L	0.0011	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Dibromomethane	U	0.005	mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	0.005	SW846-8260
Ethyl cyanide	U	0.1	mg/L	0.1	SW846-8260
Ethyl methacrylate	U	0.005	mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L	0.005	SW846-8260



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## ERI-WAG27B

## WAG 27 RI Sampling

Iodomethane	U	0.005 mg/L		0.005	SW846-8260
Methacrylonitrile	U	0.025 mg/L		0.025	SW846-8260
Methyl methacrylate	U	0.005 mg/L		0.005	SW846-8260
Methylene chloride	U	0.005 mg/L		0.005	SW846-8260
Styrene	U	0.005 mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.00189 mg/L		0.0019	SW846-8260
Toluene	U	0.005 mg/L		0.005	SW846-8260
Total Xylene	U	0.005 mg/L		0.005	SW846-8260
trans-1,2-Dichloroethene	J	0.0026 mg/L	0	0.2	SW846-8010 M
trans-1,2-Dichloroethene	U	0.005 mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L		0.005	SW846-8260
Trichloroethene		0.5 mg/L		0.0187	SW846-8260
Trichloroethene		0.498 mg/L	0	0.2	SW846-8010 M
Trichlorofluoromethane	U	0.005 mg/L		0.005	SW846-8260
Vinyl acetate	U	0.05 mg/L		0.05	SW846-8260
Vinyl chloride	U	0.002 mg/L		0.002	SW846-8260

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ERI-WAG27B

WAG 27 RI Sampling

720026WA085

Collected: 5/20/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Alkalinity		68	mg/L		5	EPA-310.1
Bromide	U	1	mg/L		1	EPA-300
Chloride		70.3	mg/L		4	EPA-300
Fluoride	U	0.5	mg/L		0.5	EPA-340.2
Nitrate as Nitrogen	U	1	mg/L		1	EPA-300
Nitrate/Nitrite	U	1	mg/L		1	EPA-300
Nitrite as Nitrogen	U	1	mg/L		1	EPA-300
Sulfate		4.4	mg/L		1	EPA-300
<b>Field P</b>						
Conductivity		634	umho/cm			
Dissolved Oxygen		2.4	%			
pH		6	Std Unit			
Temperature		19.37	deg C			
<b>METAL</b>						
Aluminum		2.13	mg/L		0.0131	SW846-6010
Antimony	U	0.00522	mg/L		0.0052	SW846-6010
Arsenic	U	0.00083	mg/L		0.0008	SW846-7060
Barium		0.454	mg/L		0.0002	SW846-6010
Beryllium		0.001	mg/L		0.0001	SW846-6010
Cadmium		0.00077	mg/L		0	SW846-7131
Calcium		29.5	mg/L		0.005	SW846-6010
Chromium		0.0215	mg/L		0.0013	SW846-6010
Cobalt		0.0157	mg/L		0.0008	SW846-6010
Copper		0.00628	mg/L		0.001	SW846-6010
Iron		68.4	mg/L		0.0235	SW846-6010
Lead		0.00288	mg/L		0.0009	SW846-7421
Magnesium		11.9	mg/L		0.0374	SW846-6010
Manganese		1.83	mg/L		0.0003	SW846-6010
Mercury	U	4.7E-05	mg/L		0	SW846-7470
Nickel		0.0532	mg/L		0.0012	SW846-6010
Potassium		1.19	mg/L		0.0205	SW846-6010
Selenium	U	0.00089	mg/L		0.0008	SW846-7740
Silver	U	0.0018	mg/L		0.0017	SW846-6010
Sodium		14.5	mg/L		0.0272	SW846-6010
Thallium	U	0.00116	mg/L		0.0011	SW846-7841
Uranium	U	0.001	mg/L			IN7105
Vanadium	B	0.00484	mg/L		0.0014	SW846-6010
Zinc		0.132	mg/L		0.0008	SW846-6010
<b>METAL-D</b>						
Aluminum	B	0.0236	mg/L		0.0131	SW846-6010
Antimony	U	0.00522	mg/L		0.0052	SW846-6010
Arsenic	U	0.00083	mg/L		0.0008	SW846-7060
Barium		0.402	mg/L		0.0002	SW846-6010
Beryllium	U	0.00019	mg/L		0.0001	SW846-6010
Cadmium	B	0.0003	mg/L		0	SW846-7131
Calcium		32.2	mg/L		0.005	SW846-6010
Chromium		0.00573	mg/L		0.0013	SW846-6010
Cobalt		0.00606	mg/L		0.0008	SW846-6010
Copper	B	0.0025	mg/L		0.001	SW846-6010

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ERI-WAG27B

WAG 27 RI Sampling

Iron		0.809	mg/L	0.0235	SW846-6010
Lead	U	0.00093	mg/L	0.0009	SW846-7421
Magnesium		12.9	mg/L	0.0374	SW846-6010
Manganese		1.54	mg/L	0.0003	SW846-6010
Mercury	U	4.7E-05	mg/L	0	SW846-7470
Nickel		0.0254	mg/L	0.0012	SW846-6010
Potassium		1.45	mg/L	0.0205	SW846-6010
Selenium	U	0.00089	mg/L	0.0008	SW846-7740
Silver	U	0.0018	mg/L	0.0017	SW846-6010
Sodium		17.3	mg/L	0.0272	SW846-6010
Thallium	U	0.00116	mg/L	0.0011	SW846-7841
Uranium	U	0.001	mg/L		IN7105
Vanadium	U	0.00145	mg/L	0.0014	SW846-6010
Zinc		0.0132	mg/L	0.0008	SW846-6010
<b>RADS</b>					
Alpha activity		2.94874	pCi/L	2.1028	2.7293 DNT
Beta activity		82.3192	pCi/L	7.2523	5.0672 DNT
Technetium-99		76.6	pCi/L	15.1	RL-7100
<b>VOA</b>					
1,1-Dichloroethene	J	0.0092	mg/L	0	0.4 SW846-8010 M
trans-1,2-Dichloroethene	U	0.4	mg/L	0	0.4 SW846-8010 M
Trichloroethene		0.767	mg/L	0	0.4 SW846-8010 M
Vinyl chloride	J	0.017	mg/L	0	0.4 SW846-8010 M

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ERI-WAG27B

WAG 27 RI Sampling

720026WA090

Collected: 5/20/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Alkalinity		66	mg/L		5	EPA-310.1
Bromide	U	1	mg/L		1	EPA-300
Chloride		19.7	mg/L		1	EPA-300
Fluoride	U	0.5	mg/L		0.5	EPA-340.2
Nitrate as Nitrogen	U	1	mg/L		1	EPA-300
Nitrate/Nitrite	U	1	mg/L		1	EPA-300
Nitrite as Nitrogen	U	1	mg/L		1	EPA-300
Sulfate		4.1	mg/L		1	EPA-300
<b>Field P</b>						
Conductivity		650	umho/cm			
Dissolved Oxygen		2.7	%			
pH		5.91	Std Unit			
Temperature		19.93	deg C			
<b>METAL</b>						
Aluminum		0.662	mg/L		0.0131	SW846-6010
Antimony	B	0.00582	mg/L		0.0052	SW846-6010
Arsenic	U	0.00083	mg/L		0.0008	SW846-7060
Barium		0.338	mg/L		0.0002	SW846-6010
Beryllium	B	0.00086	mg/L		0.0001	SW846-6010
Cadmium		0.00051	mg/L		0	SW846-7131
Calcium		28.6	mg/L		0.005	SW846-6010
Chromium	B	0.00266	mg/L		0.0013	SW846-6010
Cobalt	B	0.00306	mg/L		0.0008	SW846-6010
Copper	B	0.00338	mg/L		0.001	SW846-6010
Iron		13.4	mg/L		0.0235	SW846-6010
Lead		0.00323	mg/L		0.0009	SW846-7421
Magnesium		11.5	mg/L		0.0374	SW846-6010
Manganese		1.42	mg/L		0.0003	SW846-6010
Mercury	U	4.7E-05	mg/L		0	SW846-7470
Nickel		0.0208	mg/L		0.0012	SW846-6010
Potassium		1.3	mg/L		0.0205	SW846-6010
Selenium	U	0.00089	mg/L		0.0008	SW846-7740
Silver	U	0.0018	mg/L		0.0017	SW846-6010
Sodium		14.9	mg/L		0.0272	SW846-6010
Thallium	U	0.00116	mg/L		0.0011	SW846-7841
Uranium	U	0.001	mg/L			IN7105
Vanadium		0.00519	mg/L		0.0014	SW846-6010
Zinc		0.0458	mg/L		0.0008	SW846-6010
<b>METAL-D</b>						
Aluminum	U	0.01314	mg/L		0.0131	SW846-6010
Antimony	U	0.00522	mg/L		0.0052	SW846-6010
Arsenic	U	0.00083	mg/L		0.0008	SW846-7060
Barium		0.384	mg/L		0.0002	SW846-6010
Beryllium	U	0.00019	mg/L		0.0001	SW846-6010
Cadmium	B	0.00043	mg/L		0	SW846-7131
Calcium		32.5	mg/L		0.005	SW846-6010
Chromium		0.00508	mg/L		0.0013	SW846-6010
Cobalt	B	0.00245	mg/L		0.0008	SW846-6010
Copper	B	0.0022	mg/L		0.001	SW846-6010

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## ERI-WAG27B

## WAG 27 RI Sampling

Iron		1.22 mg/L	0.0235	SW846-6010
Lead	U	0.00093 mg/L	0.0009	SW846-7421
Magnesium		13.2 mg/L	0.0374	SW846-6010
Manganese		1.59 mg/L	0.0003	SW846-6010
Mercury	U	4.7E-05 mg/L	0	SW846-7470
Nickel		0.0165 mg/L	0.0012	SW846-6010
Potassium		1.77 mg/L	0.0205	SW846-6010
Selenium	U	0.00089 mg/L	0.0008	SW846-7740
Silver	U	0.0018 mg/L	0.0017	SW846-6010
Sodium		18.6 mg/L	0.0272	SW846-6010
Thallium	U	0.00116 mg/L	0.0011	SW846-7841
Vanadium	B	0.00203 mg/L	0.0014	SW846-6010
Zinc		0.0145 mg/L	0.0008	SW846-6010
<b>RADS</b>				
Alpha activity		4.23803 pCi/L	2.4532	2.6956 DNT
Beta activity		102.894 pCi/L	8.0073	5.0181 DNT
Technetium-99		92.2 pCi/L	15.6	RL-7100
<b>VOA</b>				
1,1-Dichloroethene	J	0.015 mg/L	0	0.4 SW846-8010 M
trans-1,2-Dichloroethene	U	0.4 mg/L	0	0.4 SW846-8010 M
Trichloroethene		0.903 mg/L	0	0.4 SW846-8010 M

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ERI-WAG27B

WAG 27 RI Sampling

720026WD085

Collected: 5/20/1998

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Alkalinity		70	mg/L		5	EPA-310.1
Bromide	U	1	mg/L		1	EPA-300
Chloride		71.5	mg/L		4	EPA-300
Fluoride	U	0.5	mg/L		0.5	EPA-340.2
Nitrate as Nitrogen	U	1	mg/L		1	EPA-300
Nitrate/Nitrite	U	1	mg/L		1	EPA-300
Nitrite as Nitrogen	U	1	mg/L		1	EPA-300
Sulfate		4.4	mg/L		1	EPA-300
<b>METAL</b>						
Aluminum		1.96	mg/L		0.0131	SW846-6010
Antimony	U	0.00522	mg/L		0.0052	SW846-6010
Arsenic	U	0.00083	mg/L		0.0008	SW846-7060
Barium		0.472	mg/L		0.0002	SW846-6010
Beryllium	B	0.00082	mg/L		0.0001	SW846-6010
Cadmium		0.00072	mg/L		0	SW846-7131
Calcium		30.5	mg/L		0.005	SW846-6010
Chromium		0.0172	mg/L		0.0013	SW846-6010
Cobalt		0.0146	mg/L		0.0008	SW846-6010
Copper		0.00711	mg/L		0.001	SW846-6010
Iron		61.7	mg/L		0.0235	SW846-6010
Lead	B	0.00142	mg/L		0.0009	SW846-7421
Magnesium		12.1	mg/L		0.0374	SW846-6010
Manganese		1.88	mg/L		0.0003	SW846-6010
Mercury	U	4.7E-05	mg/L		0	SW846-7470
Nickel		0.0528	mg/L		0.0012	SW846-6010
Potassium		1.21	mg/L		0.0205	SW846-6010
Selenium	U	0.00089	mg/L		0.0008	SW846-7740
Silver	U	0.0018	mg/L		0.0017	SW846-6010
Sodium		15.5	mg/L		0.0272	SW846-6010
Thallium	U	0.00116	mg/L		0.0011	SW846-7841
Uranium	U	0.001	mg/L			IN7105
Vanadium	B	0.00366	mg/L		0.0014	SW846-6010
Zinc		0.124	mg/L		0.0008	SW846-6010
<b>METAL-D</b>						
Aluminum	B	0.0265	mg/L		0.0131	SW846-6010
Antimony	U	0.00522	mg/L		0.0052	SW846-6010
Arsenic	U	0.00083	mg/L		0.0008	SW846-7060
Barium		0.409	mg/L		0.0002	SW846-6010
Beryllium	U	0.00019	mg/L		0.0001	SW846-6010
Cadmium	B	0.00034	mg/L		0	SW846-7131
Calcium		32.6	mg/L		0.005	SW846-6010
Chromium		0.0058	mg/L		0.0013	SW846-6010
Cobalt		0.0065	mg/L		0.0008	SW846-6010
Copper	B	0.00216	mg/L		0.001	SW846-6010
Iron		1.19	mg/L		0.0235	SW846-6010
Lead	U	0.00093	mg/L		0.0009	SW846-7421
Magnesium		13.1	mg/L		0.0374	SW846-6010
Manganese		1.56	mg/L		0.0003	SW846-6010
Mercury	U	4.7E-05	mg/L		0	SW846-7470

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## ERI-WAG27B

## WAG 27 RI Sampling

Nickel		0.0264	mg/L	0.0012	SW846-6010
Potassium		1.49	mg/L	0.0205	SW846-6010
Selenium	U	0.00089	mg/L	0.0008	SW846-7740
Silver	U	0.0018	mg/L	0.0017	SW846-6010
Sodium		17.4	mg/L	0.0272	SW846-6010
Thallium	U	0.00116	mg/L	0.0011	SW846-7841
Vanadium	B	0.00202	mg/L	0.0014	SW846-6010
Zinc		0.0114	mg/L	0.0008	SW846-6010
<b>RADS</b>					
Alpha activity		2.64175	pCi/L	2.0226	2.7699 DNT
Beta activity		84.2175	pCi/L	7.3752	5.1264 DNT
Technetium-99		72	pCi/L	15	RL-7100
<b>VOA</b>					
1,1,1,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,1-Trichloroethane	U	0.00218	mg/L	0.0022	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethene		0.031	mg/L	0.0029	SW846-8260
1,1-Dichloroethene	J	0.0072	mg/L	0	0.4 SW846-8010 M
1,2,3-Trichloropropane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloroethane	U	0.00222	mg/L	0.0022	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	0.005	SW846-8260
2-Butanone	U	0.05	mg/L	0.05	SW846-8260
2-Chloro-1,3-butadiene	U	0.005	mg/L	0.005	SW846-8260
2-Chloroethyl vinyl ether	U	0.005	mg/L	0.005	SW846-8260
2-Hexanone	U	0.05	mg/L	0.05	SW846-8260
2-Propanol	U	0.05	mg/L	0.05	SW846-8260
4-Methyl-2-pentanone	U	0.05	mg/L	0.05	SW846-8260
Acetone	U	0.1	mg/L	0.1	SW846-8260
Acrolein	U	0.05	mg/L	0.05	SW846-8260
Acrylonitrile	U	0.05	mg/L	0.05	SW846-8260
Benzene	U	0.001	mg/L	0.001	SW846-8260
Bromodichloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromoform	U	0.005	mg/L	0.005	SW846-8260
Bromomethane	U	0.01	mg/L	0.01	SW846-8260
Carbon disulfide	U	0.005	mg/L	0.005	SW846-8260
Carbon tetrachloride		0.012	mg/L	0.0016	SW846-8260
Chlorobenzene	U	0.005	mg/L	0.005	SW846-8260
Chloroethane	U	0.01	mg/L	0.01	SW846-8260
Chloroform	J	0.0029	mg/L	0.0018	SW846-8260
Chloromethane	U	0.01	mg/L	0.01	SW846-8260
cis-1,2-Dichloroethene		0.011	mg/L	0.0011	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Dibromomethane	U	0.005	mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	0.005	SW846-8260
Ethyl cyanide	U	0.1	mg/L	0.1	SW846-8260
Ethyl methacrylate	U	0.005	mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L	0.005	SW846-8260
Iodomethane	U	0.005	mg/L	0.005	SW846-8260
Methacrylonitrile	U	0.025	mg/L	0.025	SW846-8260
Methyl methacrylate	U	0.005	mg/L	0.005	SW846-8260
Methylene chloride	U	0.005	mg/L	0.005	SW846-8260

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## ERI-WAG27B

## WAG 27 RI Sampling

Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	J	0.004	mg/L		0.0019	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.005	mg/L		0.005	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,2-Dichloroethene	U	0.4	mg/L	0	0.4	SW846-8010 M
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene		0.86	mg/L		0.0187	SW846-8260
Trichloroethene		0.667	mg/L	0	0.4	SW846-8010 M
Trichlorofluoromethane	U	0.005	mg/L		0.005	SW846-8260
Vinyl acetate	U	0.05	mg/L		0.05	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260

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**MW154**  
**GW98-13**  
**5136-98**

**WAG 22 Special Monitoring Well Sampling GW98-13**

Collected: 3/10/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Alkalinity		73	mg/L			IN7405
Alkalinity M		73	mg/L			IN7405
Alkalinity P	<	5	mg/L			IN7405
Chloride		4.3	mg/L			IN7120
Nitrate as Nitrogen	U	1	mg/L			IN7120
Sulfate		202	mg/L			IN7120
Total Phosphate as Phosphorus	NU	2	mg/L			IN7120
<b>Field P</b>						
Conductivity		598	umho/cm			
Depth to Water		9.96	ft			
Dissolved Oxygen		3.37	mg/L			
pH		5.75	Std Unit			
Temperature		57.2	deg F			
<b>METAL</b>						
Calcium		27.1	mg/L			SW846-6010
Magnesium		11.5	mg/L			SW846-6010
Potassium	U	5	mg/L			SW846-6010
Sodium		75.3	mg/L			SW846-6010
<b>PHYSC</b>						
Dissolved Oxygen		4	mg/L			W-20

**5136-98FILT45**

Collected: 3/11/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Uranium		0.002	mg/L			IN7105
<b>PHYSC</b>						
Dissolved Solids		423	mg/L			IN7475

**5136-98FILT5**

Collected: 3/11/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Uranium		0.002	mg/L			IN7105
<b>PHYSC</b>						
Dissolved Solids		432	mg/L			IN7475

**MW154**

**GW98-13**

**WAG 22 Special Monitoring Well Sampling GW98-13**

**5322-98**

Collected: 5/7/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Conductivity		567	umho/cm			
Depth to Water		5.89	ft			
Dissolved Oxygen		0.48	mg/L			
pH		5.5	Std Unit			
Temperature		61.5	deg F			
<b>PHYSC</b>						
Dissolved Oxygen		1.5	mg/L			W-20
Redox		303	mV			DNT

**MW333**  
**GW98-13**  
**5140-98**

**WAG 22 Special Monitoring Well Sampling GW98-13**

Collected: 3/10/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Alkalinity		73	mg/L			IN7405
Alkalinity M		73	mg/L			IN7405
Alkalinity P	<	5	mg/L			IN7405
Chloride		12.1	mg/L			IN7120
Nitrate as Nitrogen	U	1	mg/L			IN7120
Sulfate		10.8	mg/L			IN7120
Total Phosphate as Phosphorus	NU	2	mg/L			IN7120
<b>Field P</b>						
Conductivity		197	umho/cm			
Depth to Water		53.83	ft			
Dissolved Oxygen		2.61	mg/L			
pH		6.06	Std Unit			
Temperature		56.9	deg F			
<b>METAL</b>						
Calcium		17	mg/L			SW846-6010
Magnesium		6.76	mg/L			SW846-6010
Potassium	U	5	mg/L			SW846-6010
Sodium		15.7	mg/L			SW846-6010
<b>PHYSC</b>						
Dissolved Oxygen		4.3	mg/L			W-20

**5140-98FILT45**

Collected: 3/11/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Uranium	U	0.001	mg/L			IN7105
<b>PHYSC</b>						
Dissolved Solids		125	mg/L			IN7475

**5140-98FILT5**

Collected: 3/11/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Uranium	U	0.001	mg/L			IN7105
<b>PHYSC</b>						
Dissolved Solids		134	mg/L			IN7475

**MW333**

**GW98-13**

**WAG 22 Special Monitoring Well Sampling GW98-13**

**5323-98**

Collected: 5/7/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Conductivity		202	umho/cm			
Depth to Water		50.92	ft			
Dissolved Oxygen		1.77	mg/L			
pH		5.86	Std Unit			
Temperature		63.6	deg F			
<b>PHYSC</b>						
Dissolved Oxygen		3.5	mg/L			W-20
Redox		298	mV			DNT

**MW337**

**GW98-13**

**WAG 22 Special Monitoring Well Sampling GW98-13**

**5141-98**

Collected: 3/10/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Alkalinity		51	mg/L			IN7405
Alkalinity M		51	mg/L			IN7405
Alkalinity P	<	5	mg/L			IN7405
Chloride		10.4	mg/L			IN7120
Nitrate as Nitrogen	U	1	mg/L			IN7120
Sulfate		5	mg/L			IN7120
Total Phosphate as Phosphorus	NU	2	mg/L			IN7120
<b>Field P</b>						
Conductivity		163	umho/cm			
Depth to Water		51.17	ft			
Dissolved Oxygen		5.57	mg/L			
pH		5.75	Std Unit			
Temperature		56.5	deg F			
<b>METAL</b>						
Calcium		11.8	mg/L			SW846-6010
Magnesium		5	mg/L			SW846-6010
Potassium	U	5	mg/L			SW846-6010
Sodium		12.1	mg/L			SW846-6010
<b>PHYSC</b>						
Dissolved Oxygen		5.6	mg/L			W-20

**5141-98FILT45**

Collected: 3/11/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Uranium	U	0.001	mg/L			IN7105
<b>PHYSC</b>						
Dissolved Solids		105	mg/L			IN7475

**5141-98FILT5**

Collected: 3/11/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Uranium	U	0.001	mg/L			IN7105
<b>PHYSC</b>						
Dissolved Solids		104	mg/L			IN7475

**MW337**

**GW98-13**

**WAG 22 Special Monitoring Well Sampling GW98-13**

**5324-98**

Collected: 5/7/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Conductivity		164	umho/cm			
Depth to Water		48.29	ft			
Dissolved Oxygen		3.64	mg/L			
pH		5.7	Std Unit			
Temperature		64.5	deg F			
<b>PHYSC</b>						
Dissolved Oxygen		4.9	mg/L			W-20
Redox		307	mV			DNT

**MW338**

**GW98-13**

**WAG 22 Special Monitoring Well Sampling GW98-13**

**5142-98**

Collected: 3/10/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Alkalinity		46	mg/L			IN7405
Alkalinity M		46	mg/L			IN7405
Alkalinity P	<	5	mg/L			IN7405
Chloride		24.3	mg/L			IN7120
Nitrate as Nitrogen	U	1	mg/L			IN7120
Sulfate		2.9	mg/L			IN7120
Total Phosphate as Phosphorus	NU	2	mg/L			IN7120
<b>Field P</b>						
Conductivity		185	umho/cm			
Depth to Water		51.3	ft			
Dissolved Oxygen		6.8	mg/L			
pH		5.64	Std Unit			
Temperature		57.3	deg F			
<b>METAL</b>						
Calcium		12.9	mg/L			SW846-6010
Magnesium		5.39	mg/L			SW846-6010
Potassium	U	5	mg/L			SW846-6010
Sodium		13.2	mg/L			SW846-6010
<b>PHYSC</b>						
Dissolved Oxygen		8.1	mg/L			W-20

**5142-98FILT45**

Collected: 3/11/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Uranium	U	0.001	mg/L			IN7105
<b>PHYSC</b>						
Dissolved Solids		126	mg/L			IN7475

**5142-98FILT5**

Collected: 3/11/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Uranium	U	0.001	mg/L			IN7105
<b>PHYSC</b>						
Dissolved Solids		133	mg/L			IN7475

**MW338**

**GW98-13**

**WAG 22 Special Monitoring Well Sampling GW98-13**

**5325-98**

Collected: 5/7/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Conductivity		157	umho/cm			
Depth to Water		48.53	ft			
Dissolved Oxygen		3.81	mg/L			
pH		5.6	Std Unit			
Temperature		69.6	deg F			
<b>PHYSC</b>						
Dissolved Oxygen		4.9	mg/L			W-20
Redox		297	mV			DNT



**MW339**

**GW98-13**

**WAG 22 Special Monitoring Well Sampling GW98-13**

**5143-98**

Collected: 3/11/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Alkalinity		89	mg/L			IN7405
Alkalinity M		89	mg/L			IN7405
Alkalinity P	<	5	mg/L			IN7405
Chloride		64.8	mg/L			IN7120
Nitrate as Nitrogen		9.7	mg/L			IN7120
Sulfate		17.5	mg/L			IN7120
Total Phosphate as Phosphorus	NU	2	mg/L			IN7120
<b>Field P</b>						
Conductivity		496	umho/cm			
Depth to Water		51.1	ft			
Dissolved Oxygen		1.78	mg/L			
pH		5.91	Std Unit			
Temperature		53.6	deg F			
<b>METAL</b>						
Calcium		35.8	mg/L			SW846-6010
Magnesium		14.3	mg/L			SW846-6010
Potassium	U	5	mg/L			SW846-6010
Sodium		39.1	mg/L			SW846-6010
<b>PHYSC</b>						
Dissolved Oxygen		4	mg/L			W-20

**5143-98FILT45**

Collected: 3/11/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Uranium	U	0.001	mg/L			IN7105
<b>PHYSC</b>						
Dissolved Solids		300	mg/L			IN7475

**5143-98FILT5**

Collected: 3/11/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Uranium	U	0.001	mg/L			IN7105
<b>PHYSC</b>						
Dissolved Solids		297	mg/L			IN7475

**MW339**

**GW98-13**

**WAG 22 Special Monitoring Well Sampling GW98-13**

**5329-98**

Collected: 5/7/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Conductivity		510	umho/cm			
Depth to Water		47.9	ft			
Dissolved Oxygen		1.33	mg/L			
pH		5.81	Std Unit			
Temperature		65.8	deg F			
<b>PHYSC</b>						
Dissolved Oxygen		3.2	mg/L			W-20
Redox		278	mV			DNT

**MW340**  
**GW98-13**  
**5144-98**

**WAG 22 Special Monitoring Well Sampling GW98-13**

Collected: 3/10/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Alkalinity		93	mg/L			IN7405
Alkalinity M		93	mg/L			IN7405
Alkalinity P	<	5	mg/L			IN7405
Chloride		63.4	mg/L			IN7120
Nitrate as Nitrogen		1.3	mg/L			IN7120
Sulfate		19.3	mg/L			IN7120
Total Phosphate as Phosphorus	NU	2	mg/L			IN7120
<b>Field P</b>						
Conductivity		453	umho/cm			
Depth to Water		51.55	ft			
Dissolved Oxygen		3.94	mg/L			
pH		5.96	Std Unit			
Temperature		56	deg F			
<b>METAL</b>						
Calcium		30.1	mg/L			SW846-6010
Magnesium		12.4	mg/L			SW846-6010
Potassium	U	5	mg/L			SW846-6010
Sodium		39.2	mg/L			SW846-6010
<b>PHYSC</b>						
Dissolved Oxygen		5.4	mg/L			W-20

**5144-98FILT45**

Collected: 3/11/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Uranium	U	0.001	mg/L			IN7105
<b>PHYSC</b>						
Dissolved Solids		262	mg/L			IN7475

**5144-98FILT5**

Collected: 3/11/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Uranium	U	0.001	mg/L			IN7105
<b>PHYSC</b>						
Dissolved Solids		257	mg/L			IN7475

**MW340**

**GW98-13**

**WAG 22 Special Monitoring Well Sampling GW98-13**

**5330-98**

Collected: 5/7/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Conductivity		467	umho/cm			
Depth to Water		48.49	ft			
Dissolved Oxygen		2.12	mg/L			
pH		5.83	Std Unit			
Temperature		63.4	deg F			
<b>PHYSC</b>						
Dissolved Oxygen		3.6	mg/L			W-20
Redox		292	mV			DNT

**MW67**

**GW98-13**

**WAG 22 Special Monitoring Well Sampling GW98-13**

**5148-98**

Collected: 3/10/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Alkalinity		53	mg/L			IN7405
Alkalinity M		53	mg/L			IN7405
Alkalinity P	<	5	mg/L			IN7405
Chloride		11	mg/L			IN7120
Nitrate as Nitrogen	U	1	mg/L			IN7120
Sulfate		8.6	mg/L			IN7120
Total Phosphate as Phosphorus	NU	2	mg/L			IN7120
<b>Field P</b>						
Conductivity		164	umho/cm			
Depth to Water		51.55	ft			
Dissolved Oxygen		3.11	mg/L			
pH		5.93	Std Unit			
Temperature		58.5	deg F			
<b>METAL</b>						
Calcium		13.4	mg/L			SW846-6010
Magnesium		5.53	mg/L			SW846-6010
Potassium	U	5	mg/L			SW846-6010
Sodium		12.2	mg/L			SW846-6010
<b>PHYSC</b>						
Dissolved Oxygen		5	mg/L			W-20

**5148-98FILT45**

Collected: 3/11/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Uranium	U	0.001	mg/L			IN7105
<b>PHYSC</b>						
Dissolved Solids		103	mg/L			IN7475

**5148-98FILT5**

Collected: 3/11/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Uranium	U	0.001	mg/L			IN7105
<b>PHYSC</b>						
Dissolved Solids		109	mg/L			IN7475

**MW67**

**GW98-13**

**WAG 22 Special Monitoring Well Sampling GW98-13**

**5320-98**

Collected: 5/7/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Conductivity		166	umho/cm			
Depth to Water		48.68	ft			
Dissolved Oxygen		3.15	mg/L			
pH		5.8	Std Unit			
Temperature		62.3	deg F			
<b>PHYSC</b>						
Dissolved Oxygen		4.5	mg/L			W-20
Redox		305	mV			DNT

**PZ334**

**GW98-13**

**WAG 22 Special Monitoring Well Sampling GW98-13**

**5150-98**

Collected: 3/11/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Alkalinity		447	mg/L			IN7405
Alkalinity M		447	mg/L			IN7405
Alkalinity P	<	5	mg/L			IN7405
Chloride		22.1	mg/L			IN7120
Nitrate as Nitrogen	U	1	mg/L			IN7120
Sulfate		204	mg/L			IN7120
Total Phosphate as Phosphorus	NU	2	mg/L			IN7120
<b>Field P</b>						
Conductivity		1249	umho/cm			
Depth to Water		8.3	ft			
Dissolved Oxygen		4.95	mg/L			
pH		7.54	Std Unit			
Temperature		54.5	deg F			
<b>METAL</b>						
Calcium		70.6	mg/L			SW846-6010
Magnesium		23.2	mg/L			SW846-6010
Potassium	U	5	mg/L			SW846-6010
Sodium		182	mg/L			SW846-6010

**5150-98FILT45**

Collected: 3/11/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Uranium		0.058	mg/L			IN7105
<b>PHYSC</b>						
Dissolved Solids		813	mg/L			IN7475
<b>RADS</b>						
Uranium-234		5.11	pCi/L			TIMS-4
Uranium-235		0.264	wt %			TIMS-3
Uranium-235		0.46	pCi/L			TIMS-4
Uranium-238		26.8	pCi/L			TIMS-4

**5150-98FILT5**

Collected: 3/11/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Uranium		0.061	mg/L			IN7105
<b>PHYSC</b>						
Dissolved Solids		837	mg/L			IN7475
<b>RADS</b>						
Uranium-234		5.62	pCi/L			TIMS-4
Uranium-235		0.48	pCi/L			TIMS-4
Uranium-235		0.276	wt %			TIMS-3
Uranium-238		26.8	pCi/L			TIMS-4

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**PZ334**

**GW98-13**

## WAG 22 Special Monitoring Well Sampling GW98-13

**5326-98**

Collected: 5/7/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		7.67	ft			
<b>PHYSC</b>						
Redox		235	mV			DNT

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**PZ335**

**GW98-13**

**WAG 22 Special Monitoring Well Sampling GW98-13**

**5151-98**

Collected: 3/11/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Alkalinity		249	mg/L			IN7405
Alkalinity M		249	mg/L			IN7405
Alkalinity P	<	5	mg/L			IN7405
Chloride		22.4	mg/L			IN7120
Nitrate as Nitrogen	U	1	mg/L			IN7120
Sulfate		204	mg/L			IN7120
Total Phosphate as Phosphorus	NU	2	mg/L			IN7120
<b>Field P</b>						
Conductivity		977	umho/cm			
Depth to Water		9.5	ft			
Dissolved Oxygen		3.94	mg/L			
pH		6.91	Std Unit			
Temperature		53.4	deg F			
<b>METAL</b>						
Calcium		28.8	mg/L			SW846-6010
Magnesium		12.9	mg/L			SW846-6010
Potassium	U	5	mg/L			SW846-6010
Sodium		173	mg/L			SW846-6010

**5151-98FILT45**

Collected: 3/11/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Uranium	U	0.001	mg/L			IN7105
<b>PHYSC</b>						
Dissolved Solids		643	mg/L			IN7475

**5151-98FILT5**

Collected: 3/11/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Uranium	U	0.001	mg/L			IN7105
<b>PHYSC</b>						
Dissolved Solids		644	mg/L			IN7475

**5327-98**

Collected: 5/7/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		9.43	ft			
<b>PHYSC</b>						
Redox		260	mV			DNT

PZ336

GW98-13

WAG 22 Special Monitoring Well Sampling GW98-13

5152-98

Collected: 3/11/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Alkalinity		386	mg/L			IN7405
Alkalinity M		386	mg/L			IN7405
Alkalinity P	<	5	mg/L			IN7405
Chloride		20.1	mg/L			IN7120
Nitrate as Nitrogen	U	1	mg/L			IN7120
Sulfate		219.2	mg/L			IN7120
Total Phosphate as Phosphorus	NU	2	mg/L			IN7120
<b>Field P</b>						
Conductivity		1216	umho/cm			
Depth to Water		10.92	ft			
Dissolved Oxygen		5.36	mg/L			
pH		7.63	Std Unit			
Temperature		54.8	deg F			
<b>METAL</b>						
Calcium		44.5	mg/L			SW846-6010
Magnesium		25.5	mg/L			SW846-6010
Potassium		9.34	mg/L			SW846-6010
Sodium		193	mg/L			SW846-6010

5152-98FILT45

Collected: 3/11/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Uranium		0.022	mg/L			IN7105
<b>PHYSC</b>						
Dissolved Solids		797	mg/L			IN7475
<b>RADS</b>						
Uranium-234		2.08	pCi/L			TIMS-4
Uranium-235		0.15	pCi/L			TIMS-4
Uranium-235		0.34	wt %			TIMS-3
Uranium-238		6.7	pCi/L			TIMS-4

5152-98FILT5

Collected: 3/11/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Uranium		0.023	mg/L			IN7105
<b>PHYSC</b>						
Dissolved Solids		808	mg/L			IN7475
<b>RADS</b>						
Uranium-234		2.55	pCi/L			TIMS-4
Uranium-235		0.385	wt %			TIMS-3
Uranium-235		0.17	pCi/L			TIMS-4
Uranium-238		6.69	pCi/L			TIMS-4

**PZ336**

**GW98-13**

**WAG 22 Special Monitoring Well Sampling GW98-13**

**5328-98**

Collected: 5/7/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		10.1	ft			
<b>PHYSC</b>						
Redox		236	mV			DNT

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**PZ74**

**GW98-13**

**WAG 22 Special Monitoring Well Sampling GW98-13**

**5149-98**

Collected: 3/11/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Alkalinity		59	mg/L			IN7405
Alkalinity M		59	mg/L			IN7405
Alkalinity P	<	5	mg/L			IN7405
Chloride		14.4	mg/L			IN7120
Nitrate as Nitrogen	U	1	mg/L			IN7120
Sulfate		5.7	mg/L			IN7120
Total Phosphate as Phosphorus	NU	2	mg/L			IN7120
<b>Field P</b>						
Conductivity		202	umho/cm			
Depth to Water		19.62	ft			
Dissolved Oxygen		6.32	mg/L			
pH		6.62	Std Unit			
Temperature		55.2	deg F			
<b>METAL</b>						
Calcium		9.54	mg/L			SW846-6010
Magnesium		4.1	mg/L			SW846-6010
Potassium	U	5	mg/L			SW846-6010
Sodium		23.3	mg/L			SW846-6010

**5149-98FILT45**

Collected: 3/11/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Uranium	U	0.001	mg/L			IN7105
<b>PHYSC</b>						
Dissolved Solids		134	mg/L			IN7475

**5149-98FILT5**

Collected: 3/11/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Uranium	U	0.001	mg/L			IN7105
<b>PHYSC</b>						
Dissolved Solids		138	mg/L			IN7475

**5321-98**

Collected: 5/7/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		18.62	ft			
<b>PHYSC</b>						
Redox		293	mV			DNT

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**PZ334**

**GW98-16**

## WAG 22 Special Monitoring Well Sampling GW98-16

**5393-98**

Collected: 6/1/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Conductivity		1317	umho/cm			
Depth to Water		8.52	ft			
Dissolved Oxygen		8.2	mg/L			
pH		7.36	Std Unit			
Temperature		66.5	deg F			
<b>PHYSC</b>						
Dissolved Oxygen		6.53	mg/L		1	SM-4500-O G 17
Redox		232	mV			DNT

**5397-98**

Collected: 6/2/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Conductivity		1373	umho/cm			
Depth to Water		8.63	ft			
Dissolved Oxygen		3.93	mg/L			
pH		7.1	Std Unit			
Temperature		81.9	deg F			
<b>PHYSC</b>						
Dissolved Oxygen		6.7	mg/L		1	SM-4500-O G 17
Redox		206	mV			DNT

**PZ335**

**GW98-16**

**WAG 22 Special Monitoring Well Sampling GW98-16**

**5394-98**

Collected: 6/1/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Conductivity		949	umho/cm			
Depth to Water		9.12	ft			
Dissolved Oxygen		1.7	mg/L			
pH		6.38	Std Unit			
Temperature		65.7	deg F			
<b>PHYSC</b>						
Dissolved Oxygen		3.66	mg/L			1 SM-4500-O G 17
Redox		249	mV			DNT

**PZ336**

**GW98-16**

**WAG 22 Special Monitoring Well Sampling GW98-16**

**5395-98**

Collected: 6/1/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Conductivity		1349	umho/cm			
Depth to Water		9.28	ft			
Dissolved Oxygen		5.65	mg/L			
pH		7.01	Std Unit			
Temperature		72.8	deg F			
<b>PHYSC</b>						
Dissolved Oxygen		5.88	mg/L		1	SM-4500-O G 17
Redox		252	mV			DNT

**PZ74**

**GW98-16**

**WAG 22 Special Monitoring Well Sampling GW98-16**

**5396-98**

Collected: 6/2/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Conductivity		215	umho/cm			
Depth to Water		18.38	ft			
Dissolved Oxygen		3.65	mg/L			
pH		5.6	Std Unit			
Temperature		100.7	deg F			
<b>PHYSC</b>						
Dissolved Oxygen		5.5	mg/L		1	SM-4500-O G 17
Redox		188	mV			DNT



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**MW66**

**GWACO00-01**

## ACO MW66 MONTHLY/ANNUAL - OCTOBER GWACO00-01

**MW66M10-99**

Collected: 10/19/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		30.15	Inches/Hg			
Conductivity		176	umho/cm			
Depth to Water		46.6	ft			
Dissolved Oxygen		8.16	mg/L			
pH		6.1	Std Unit			
Temperature		60.1	deg F			
<b>RADS</b>						
Alpha activity	A	1.8	pCi/L	0.57	2.95	EPA-900.0
Beta activity		175.86	pCi/L	9.23	5.17	EPA-900.0
Technetium-99		205	pCi/L	17	16.9	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.2	mg/L		0.2	SW846-8260
1,1-Dichloroethane	U	0.2	mg/L		0.2	SW846-8260
Bromodichloromethane	U	0.2	mg/L		0.2	SW846-8260
cis-1,2-Dichloroethene	U	0.2	mg/L		0.2	SW846-8260
Ethylbenzene	U	0.2	mg/L		0.2	SW846-8260
Toluene	U	0.2	mg/L		0.2	SW846-8260
Total Xylene	JU	0.6	mg/L		0.6	SW846-8260
trans-1,2-Dichloroethene	U	0.2	mg/L		0.2	SW846-8260
Trichloroethene		0.26	mg/L		0.04	SW846-8260
<b>WETCHEM</b>						
Turbidity	J	1.9	NTU		0.5	EPA-180.1 1978

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MW66

GWACO00-02

ACO MW66 MONTHLY - NOVEMBER GWACO00-02

MW66M11-99

Collected: 11/22/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.88	Inches/Hg			
Conductivity		181	umho/cm			
Depth to Water		47.7	ft			
Dissolved Oxygen		6.6	mg/L			
pH		5.8	Std Unit			
Temperature		61.7	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Alpha activity	A	-1.76	pCi/L	0.61	4.54	EPA-900.0
Beta activity		247.46	pCi/L	12.47	6.58	EPA-900.0
Technetium-99		245	pCi/L	18.2	16.9	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.2	mg/L		0.2	SW846-8260
1,1-Dichloroethane	U	0.2	mg/L		0.2	SW846-8260
Bromodichloromethane	U	0.2	mg/L		0.2	SW846-8260
cis-1,2-Dichloroethene	U	0.2	mg/L		0.2	SW846-8260
Ethylbenzene	U	0.2	mg/L		0.2	SW846-8260
Toluene	U	0.2	mg/L		0.2	SW846-8260
Total Xylene	U	0.2	mg/L		0.2	SW846-8260
trans-1,2-Dichloroethene	U	0.2	mg/L		0.2	SW846-8260
Trichloroethene		0.27	mg/L		0.04	SW846-8260
<b>WETCHEM</b>						
Turbidity		1.2	NTU		0.5	EPA-180.1 1978

**MW66**

**GWACO00-03**

**ACO MW66 MONTHLY - DECEMBER GWACO00-03**

**MW66M12-99**

Collected: 12/4/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		30.08	Inches/Hg			
Conductivity		177	umho/cm			
Depth to Water		47.95	ft			
Dissolved Oxygen		6.19	mg/L			
pH		5.9	Std Unit			
Temperature		61.4	deg F			
<b>RADS</b>						
Alpha activity		3.42	pCi/L	0.87	2.52	EPA-900.0
Beta activity		289.73	pCi/L	13.65	6.56	EPA-900.0
Technetium-99		136	pCi/L	14.3	14.8	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.05	mg/L		0.05	SW846-8260
1,1-Dichloroethane	U	0.05	mg/L		0.05	SW846-8260
Bromodichloromethane	U	0.05	mg/L		0.05	SW846-8260
cis-1,2-Dichloroethene	U	0.05	mg/L		0.05	SW846-8260
Ethylbenzene	U	0.05	mg/L		0.05	SW846-8260
Tetrachloroethene	U	0.05	mg/L		0.05	SW846-8260
Toluene	U	0.05	mg/L		0.05	SW846-8260
Total Xylene	U	0.15	mg/L		0.15	SW846-8260
trans-1,2-Dichloroethene	U	0.05	mg/L		0.05	SW846-8260
Trichloroethene		0.27	mg/L		0.01	SW846-8260
<b>WETCHEM</b>						
Turbidity		0.7	NTU		0.5	EPA-180.1 1978

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**MW66**

**GWACO00-04**

## ACO MW66 MONTHLY - JANUARY GWACO00-04

**MW66M1-00**

Collected: 1/12/2000

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.94	Inches/Hg			
Conductivity		182	umho/cm			
Depth to Water		48.52	ft			
Dissolved Oxygen		8.04	mg/L			
pH		5.71	Std Unit			
Temperature		60.9	deg F			
<b>RADS</b>						
Alpha activity	U	-1.3	pCi/L	0.52	4.21	EPA-900.0
Beta activity	B	185.12	pCi/L	11.11	5.53	EPA-900.0
Technetium-99		242	pCi/L	18.7	17.6	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.05	mg/L		0.05	SW846-8260
1,1-Dichloroethane	U	0.05	mg/L		0.05	SW846-8260
Bromodichloromethane	U	0.05	mg/L		0.05	SW846-8260
cis-1,2-Dichloroethene	U	0.05	mg/L		0.05	SW846-8260
Ethylbenzene	U	0.05	mg/L		0.05	SW846-8260
Tetrachloroethene	U	0.05	mg/L		0.05	SW846-8260
Toluene	U	0.05	mg/L		0.05	SW846-8260
Total Xylene	U	0.15	mg/L		0.15	SW846-8260
trans-1,2-Dichloroethene	U	0.05	mg/L		0.05	SW846-8260
Trichloroethene		0.27	mg/L		0.01	SW846-8260
<b>WETCHEM</b>						
Turbidity		4.4	NTU		0.5	EPA-180.1 1978

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MW66

GWACO00-05

ACO MW66 MONTHLY - FEBRUARY GWACO00-05

MW66M2-00

Collected: 2/3/2000

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.91	Inches/Hg			
Conductivity		199	umho/cm			
Depth to Water		48.69	ft			
Dissolved Oxygen		6.92	mg/L			
pH		5.8	Std Unit			
Temperature		58.9	deg F			
<b>RADS</b>						
Alpha activity	U	2.2	pCi/L	0.61	4.68	EPA-900.0
Beta activity	M	225.34	pCi/L	11.92	6.65	EPA-900.0
Technetium-99		282	pCi/L	18.8	16.4	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	UX	0.05	mg/L		0.05	SW846-8260
1,1-Dichloroethane	UX	0.05	mg/L		0.05	SW846-8260
Bromodichloromethane	UX	0.05	mg/L		0.05	SW846-8260
cis-1,2-Dichloroethene	UX	0.05	mg/L		0.05	SW846-8260
Ethylbenzene	UX	0.05	mg/L		0.05	SW846-8260
Tetrachloroethene	UX	0.05	mg/L		0.05	SW846-8260
Toluene	UX	0.05	mg/L		0.05	SW846-8260
Total Xylene	UX	0.15	mg/L		0.15	SW846-8260
trans-1,2-Dichloroethene	UX	0.05	mg/L		0.05	SW846-8260
Trichloroethene	X	0.32	mg/L		0.01	SW846-8260
<b>WETCHEM</b>						
Turbidity		0.55	NTU		0.5	EPA-180.1 1978

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**MW66**

**GWACO00-06**

## ACO MW66 MONTHLY - MARCH GWACO00-06

**MW66M3-00**

Collected: 3/7/2000

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		30.12	Inches/Hg			
Conductivity		190	umho/cm			
Depth to Water		49.12	ft			
Dissolved Oxygen		5.75	mg/L			
pH		5.9	Std Unit			
Temperature		61.5	deg F			
<b>METAL</b>						
Uranium	U	0.05	mg/L		0.05	AS7300
<b>RADS</b>						
Alpha activity		4.45	pCi/L	1.09	3.98	EPA-900.0
Americium-241	U	-8.57	pCi/L	17.1	45.2	RL-7124
Beta activity		449.64	pCi/L	17.18	6.11	EPA-900.0
Cesium-134	U	-3.64	pCi/L	7.29	15.6	RL-7124
Cesium-137	U	4.37	pCi/L	8.74	19.7	RL-7124
Cobalt-60	U	2.87	pCi/L	5.74	26.5	RL-7124
Dissolved Alpha	U	-0.84	pCi/L	0.36	5.01	EPA-900.0
Dissolved Beta		355.83	pCi/L	19.54	9.74	EPA-900.0
Neptunium-237	U	0.4	pCi/L	0.24	0.794	RL-7103
Plutonium-238	U	-0.246	pCi/L	0.0924	1.18	RL-7120
Plutonium-239/240	U	-0.0329	pCi/L	0.0364	0.198	RL-7120
Potassium-40	U	240	pCi/L	310	224	RL-7124
Suspended Alpha	U	2.11	pCi/L	1.41	3.95	EPA-900.0
Suspended Beta	U	3.28	pCi/L	0.83	7.65	EPA-900.0
Technetium-99		436	pCi/L	22.9	18.2	RL-7100
Thorium-228	U	0.0171	pCi/L	0.0857	0.265	RL-7120
Thorium-230	U	-0.656	pCi/L	0.0952	3.06	RL-7120
Thorium-232	U	-0.0443	pCi/L	0.0448	0.295	RL-7120
Uranium-235	U	-12.3	pCi/L	0	0.942	RL-7124
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.1	mg/L		0.1	SW846-8260
1,1-Dichloroethane	U	0.1	mg/L		0.1	SW846-8260
Bromodichloromethane	U	0.1	mg/L		0.1	SW846-8260
cis-1,2-Dichloroethene	U	0.1	mg/L		0.1	SW846-8260
Ethylbenzene	U	0.1	mg/L		0.1	SW846-8260
Toluene	U	0.1	mg/L		0.1	SW846-8260
Total Xylene	U	0.3	mg/L		0.3	SW846-8260
trans-1,2-Dichloroethene	U	0.1	mg/L		0.1	SW846-8260
Trichloroethene		0.33	mg/L		0.02	SW846-8260
<b>WETCHEM</b>						
Turbidity		0.79	NTU		0.5	EPA-180.1 1978

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**MW66**

**GWACO00-07**

## ACO MW66 MONTHLY - APRIL GWACO00-07

**MW66M4-00**

Collected: 4/18/2000

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		30.03	Inches/Hg			
Conductivity		205	umho/cm			
Depth to Water		48.24	ft			
Dissolved Oxygen		6.61	mg/L			
pH		5.67	Std Unit			
Temperature		60.1	deg F			
<b>RADS</b>						
Alpha activity	U	-1.13	pCi/L	0.29	4.06	EPA-900.0
Beta activity	BX	397.34	pCi/L	16.09	6.9	EPA-900.0
Technetium-99		347	pCi/L	20.2	17.1	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.1	mg/L		0.1	SW846-8260
1,1-Dichloroethane	U	0.1	mg/L		0.1	SW846-8260
Bromodichloromethane	U	0.1	mg/L		0.1	SW846-8260
cis-1,2-Dichloroethene	U	0.1	mg/L		0.1	SW846-8260
Ethylbenzene	U	0.1	mg/L		0.1	SW846-8260
Toluene	U	0.1	mg/L		0.1	SW846-8260
Total Xylene	U	0.3	mg/L		0.3	SW846-8260
trans-1,2-Dichloroethene	U	0.1	mg/L		0.1	SW846-8260
Trichloroethene		0.54	mg/L		0.02	SW846-8260
<b>WETCHEM</b>						
Turbidity		0.8	NTU		0.5	EPA-180.1 1978

**MW66**

**GWACO00-08**

**ACO MW66 MONTHLY - MAY GWACO00-08**

**MW66M5-00**

Collected: 5/30/2000

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.97	Inches/Hg			
Conductivity		211	umho/cm			
Depth to Water		47.4	ft			
Dissolved Oxygen		5.97	mg/L			
pH		5.92	Std Unit			
Temperature		64.2	deg F			
<b>RADS</b>						
Alpha activity	U	-1.41	pCi/L	0.4	4.52	EPA-900.0
Beta activity		292.75	pCi/L	14.29	7.7	EPA-900.0
Technetium-99		362	pCi/L	21.7	18.5	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.1	mg/L		0.1	SW846-8260
1,1-Dichloroethane	U	0.1	mg/L		0.1	SW846-8260
Bromodichloromethane	U	0.1	mg/L		0.1	SW846-8260
cis-1,2-Dichloroethene	U	0.1	mg/L		0.1	SW846-8260
Ethylbenzene	U	0.1	mg/L		0.1	SW846-8260
Toluene	U	0.1	mg/L		0.1	SW846-8260
Total Xylene	U	0.3	mg/L		0.3	SW846-8260
trans-1,2-Dichloroethene	U	0.1	mg/L		0.1	SW846-8260
Trichloroethene		0.49	mg/L		0.02	SW846-8260
<b>WETCHEM</b>						
Turbidity	J	1.1	NTU		0.5	EPA-180.1 1978



**MW66**

**GWACO00-09**

**ACO MW66 MONTHLY - JUNE GWACO00-09**

**MW66M6-00**

Collected: 6/5/2000

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.88	Inches/Hg			
Conductivity		218	umho/cm			
Depth to Water		47.13	ft			
Dissolved Oxygen		5.44	mg/L			
pH		6.09	Std Unit			
Temperature		63.7	deg F			
<b>RADS</b>						
Alpha activity		6.04	pCi/L	1.13	4.69	EPA-900.0
Beta activity		560.22	pCi/L	20.34	7.98	EPA-900.0
Technetium-99		624	pCi/L	26.5	18.5	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.1	mg/L		0.1	SW846-8260
1,1-Dichloroethane	U	0.1	mg/L		0.1	SW846-8260
Bromodichloromethane	U	0.1	mg/L		0.1	SW846-8260
cis-1,2-Dichloroethene	U	0.1	mg/L		0.1	SW846-8260
Ethylbenzene	U	0.1	mg/L		0.1	SW846-8260
Toluene	U	0.1	mg/L		0.1	SW846-8260
Total Xylene	U	0.3	mg/L		0.3	SW846-8260
trans-1,2-Dichloroethene	U	0.1	mg/L		0.1	SW846-8260
Trichloroethene		1.2	mg/L		0.02	SW846-8260
<b>WETCHEM</b>						
Turbidity		0.65	NTU		0.5	EPA-180.1 1978

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MW66

GWACO00-10

ACO MW66 MONTHLY - JULY GWACO00-10

MW66M7-00

Collected: 7/19/2000

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.88	Inches/Hg			
Conductivity		219	umho/cm			
Depth to Water		46.6	ft			
Dissolved Oxygen		6	mg/L			
pH		6.06	Std Unit			
Temperature		62.9	deg F			
<b>RADS</b>						
Alpha activity		5.12	pCi/L	1.18	3.63	EPA-900.0
Beta activity		468.79	pCi/L	17.91	6.3	EPA-900.0
Technetium-99		662	pCi/L	28.6	24.7	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.1	mg/L		0.1	SW846-8260
1,1-Dichloroethane	U	0.1	mg/L		0.1	SW846-8260
Bromodichloromethane	U	0.1	mg/L		0.1	SW846-8260
cis-1,2-Dichloroethene	U	0.1	mg/L		0.1	SW846-8260
Ethylbenzene	U	0.1	mg/L		0.1	SW846-8260
Toluene	U	0.1	mg/L		0.1	SW846-8260
Total Xylene	U	0.3	mg/L		0.3	SW846-8260
trans-1,2-Dichloroethene	U	0.1	mg/L		0.1	SW846-8260
Trichloroethene		1.2	mg/L		0.02	SW846-8260
<b>WETCHEM</b>						
Turbidity		1.8	NTU		0.5	EPA-180.1 1978

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MW66

GWACO00-11

ACO MW66 MONTHLY - AUGUST GWACO00-11

MW66M8-00

Collected: 8/17/2000

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		30.03	Inches/Hg			
Conductivity		194	umho/cm			
Depth to Water		47.48	ft			
Dissolved Oxygen		7.2	mg/L			
pH		5.91	Std Unit			
Temperature		66.3	deg F			
<b>RADS</b>						
Alpha activity	U	-2.89	pCi/L	0.79	4.91	EPA-900.0
Beta activity		289.79	pCi/L	13.88	7.11	EPA-900.0
Technetium-99		293	pCi/L	18.9	20.2	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.1	mg/L		0.1	SW846-8260
1,1-Dichloroethane	U	0.1	mg/L		0.1	SW846-8260
Bromodichloromethane	U	0.1	mg/L		0.1	SW846-8260
cis-1,2-Dichloroethene	U	0.1	mg/L		0.1	SW846-8260
Ethylbenzene	U	0.1	mg/L		0.1	SW846-8260
Toluene	U	0.1	mg/L		0.1	SW846-8260
Total Xylene	U	0.3	mg/L		0.3	SW846-8260
trans-1,2-Dichloroethene	U	0.1	mg/L		0.1	SW846-8260
Trichloroethene		0.36	mg/L		0.02	SW846-8260
<b>WETCHEM</b>						
Turbidity		2.4	NTU		0.5	EPA-180.1 1978

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**MW66**

**GWACO00-11**

## ACO MW66 MONTHLY - AUGUST GWACO00-11

**MW66DM8-00**

Collected: 8/17/2000

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		30.03	Inches/Hg			
Conductivity		194	umho/cm			
Depth to Water		47.48	ft			
Dissolved Oxygen		7.2	mg/L			
pH		5.91	Std Unit			
Temperature		66.3	deg F			
<b>RADS</b>						
Alpha activity	U	-2.94	pCi/L	0.83	4.74	EPA-900.0
Beta activity		260.84	pCi/L	12.94	6.87	EPA-900.0
Technetium-99		306	pCi/L	19.1	20.2	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.1	mg/L		0.1	SW846-8260
1,1-Dichloroethane	U	0.1	mg/L		0.1	SW846-8260
Bromodichloromethane	U	0.1	mg/L		0.1	SW846-8260
cis-1,2-Dichloroethene	U	0.1	mg/L		0.1	SW846-8260
Ethylbenzene	U	0.1	mg/L		0.1	SW846-8260
Toluene	U	0.1	mg/L		0.1	SW846-8260
Total Xylene	U	0.3	mg/L		0.3	SW846-8260
trans-1,2-Dichloroethene	U	0.1	mg/L		0.1	SW846-8260
Trichloroethene		0.38	mg/L		0.02	SW846-8260
<b>WETCHEM</b>						
Turbidity		2.8	NTU		0.5	EPA-180.1 1978

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MW66

GWACO00-12

ACO MW66 MONTHLY - SEPTEMBER GWACO00-12

MW66M9-00

Collected: 9/13/2000

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		30.09	Inches/Hg			
Conductivity		185	umho/cm			
Depth to Water		48.01	ft			
Dissolved Oxygen		7.48	mg/L			
pH		5.85	Std Unit			
Temperature		63.3	deg F			
<b>RADS</b>						
Alpha activity	U	1.49	pCi/L	0.42	4.11	EPA-900.0
Beta activity		198.64	pCi/L	11.48	6.17	EPA-900.0
Technetium-99		229	pCi/L	18.4	18.2	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.05	mg/L		0.05	SW846-8260
1,1-Dichloroethane	U	0.05	mg/L		0.05	SW846-8260
Bromodichloromethane	U	0.05	mg/L		0.05	SW846-8260
cis-1,2-Dichloroethene	U	0.05	mg/L		0.05	SW846-8260
Ethylbenzene	U	0.05	mg/L		0.05	SW846-8260
Tetrachloroethene	U	0.05	mg/L		0.05	SW846-8260
Toluene	U	0.05	mg/L		0.05	SW846-8260
Total Xylene	U	0.15	mg/L		0.15	SW846-8260
trans-1,2-Dichloroethene	U	0.05	mg/L		0.05	SW846-8260
Trichloroethene	D	0.24	mg/L		0.01	SW846-8260
<b>WETCHEM</b>						
Turbidity		1.5	NTU		0.5	EPA-180.1 1978

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MW66

GWACO00-13

NE QUARTERLY/ANNUAL MONITORING - 1ST QUARTER GWACO00-13

MW66M1-00

Collected: 1/12/2000

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.94	Inches/Hg			
Conductivity		182	umho/cm			
Depth to Water		48.52	ft			
Dissolved Oxygen		8.04	mg/L			
pH		5.71	Std Unit			
Temperature		60.9	deg F			
<b>RADS</b>						
Alpha activity	U	-1.3	pCi/L	0.52	4.21	EPA-900.0
Beta activity	B	185.12	pCi/L	11.11	5.53	EPA-900.0
Technetium-99		242	pCi/L	18.7	17.6	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.05	mg/L		0.05	SW846-8260
1,1-Dichloroethane	U	0.05	mg/L		0.05	SW846-8260
Bromodichloromethane	U	0.05	mg/L		0.05	SW846-8260
cis-1,2-Dichloroethene	U	0.05	mg/L		0.05	SW846-8260
Ethylbenzene	U	0.05	mg/L		0.05	SW846-8260
Tetrachloroethene	U	0.05	mg/L		0.05	SW846-8260
Toluene	U	0.05	mg/L		0.05	SW846-8260
Total Xylene	U	0.15	mg/L		0.15	SW846-8260
trans-1,2-Dichloroethene	U	0.05	mg/L		0.05	SW846-8260
Trichloroethene		0.27	mg/L		0.01	SW846-8260
<b>WETCHEM</b>						
Turbidity		4.4	NTU		0.5	EPA-180.1 1978

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MW245

GWACO00-18

NW QUARTERLY/ANNUAL SOUTH - 1ST QUARTER GWACO00-18

MW245QS1-00

Collected: 11/16/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		10.5	mg/L		2	SW846-9056
Fluoride		0.19	mg/L		0.1	EPA-340.2
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		11	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		30.03	Inches/Hg			
Conductivity		307.9	umho/cm			
Depth to Water		45.37	ft			
Dissolved Oxygen		1.71	mg/L			
pH		6.32	Std Unit			
Temperature		62.3	deg F			
<b>METAL</b>						
Aluminum		5.47	mg/L		0.2	SW846-6010A
Barium		0.177	mg/L		0.05	SW846-6010A
Beryllium	BU	0.01	mg/L		0.01	SW846-6010A
Cadmium	BU	0.01	mg/L		0.01	SW846-6010A
Calcium		18.5	mg/L		1	SW846-6010A
Chromium	BU	0.05	mg/L		0.05	SW846-6010A
Cobalt	U	0.01	mg/L		0.01	SW846-6010A
Copper	BU	0.05	mg/L		0.05	SW846-6010A
Iron		3.93	mg/L		0.2	SW846-6010A
Magnesium		7.56	mg/L		0.05	SW846-6010A
Manganese		0.57	mg/L		0.05	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	U	0.05	mg/L		0.05	SW846-6010A
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Potassium	U	2	mg/L		2	SW846-6010A
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Silver	BU	0.05	mg/L		0.05	SW846-6010A
Sodium		19.4	mg/L		2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Zinc	BU	0.2	mg/L		0.2	SW846-6010A
<b>METAL-D</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium		0.159	mg/L		0.05	SW846-6010A
Calcium	N	19.1	mg/L		1	SW846-6010A
Iron	U	0.2	mg/L		0.2	SW846-6010A
Magnesium		7.56	mg/L		0.05	SW846-6010A
Manganese		0.882	mg/L		0.05	SW846-6010A
Sodium	N	20.9	mg/L		2	SW846-6010A
<b>PHYSIC</b>						
Dissolved Solids		177	mg/L		100	EPA-160.2
<b>RADS</b>						
Alpha activity	A	1.01	pCi/L	0.51	3.07	EPA-900.0
Beta activity		69.27	pCi/L	6.66	5.6	EPA-900.0
Neptunium-237	A	0	pCi/L	0	0.637	RL-7103
Plutonium-239/240	A	0.0182	pCi/L	0.0334	0.238	RL-7120
Radium	AX	0.41	pCi/L	0.09	0.53	RL-7113
Radon	B	189	pCi/L	56.8	114	RL-7104

\*QUALIFIER Codes See attached List.

**MW245****GWACO00-18****NW QUARTERLY/ANNUAL SOUTH - 1ST QUARTER GWACO00-18**

Technetium-99	D	62.3	pCi/L	13.7	17.1	RL-7100
Thorium-230	A	-0.0137	pCi/L	0.0557	0.6	RL-7120
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
Benzene	UY	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	UY	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene		0.092	mg/L		0.001	SW846-8260
<b>WETCHEM</b>						
Alkalinity		90	mg/L		10	EPA-310.1
Phosphate as Phosphorous	U	2	mg/L		2	SW846-9056
Silica		22	mg/L		1	EPA-370.1
Total Organic Carbon (TOC)	U	1	mg/L		1	SW846-9060
Turbidity		65	NTU		0.5	EPA-180.1 1978



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MW245

GWACO00-19

NW QUARTERLY - 2ND QUARTER GWACO00-19

MW245QS2-00

Collected: 2/8/2000

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		30.42	Inches/Hg			
Conductivity		287	umho/cm			
Depth to Water		47.2	ft			
Dissolved Oxygen		2.55	mg/L			
pH		6.44	Std Unit			
Temperature		60.9	deg F			
<b>METAL</b>						
Aluminum		1.5	mg/L		0.2	SW846-6010A
Calcium	N	19.5	mg/L		1	SW846-6010A
Iron	N	2.57	mg/L		0.2	SW846-6010A
Magnesium		7.72	mg/L		0.05	SW846-6010A
Manganese		0.804	mg/L		0.05	SW846-6010A
Potassium	U	2	mg/L		2	SW846-6010A
Sodium		21.9	mg/L		2	SW846-6010A
<b>METAL-D</b>						
Aluminum		0.671	mg/L		0.2	SW846-6010A
Calcium		18.3	mg/L		1	SW846-6010A
Iron	N	0.488	mg/L		0.2	SW846-6010A
Magnesium		7.68	mg/L		0.05	SW846-6010A
Manganese		0.513	mg/L		0.05	SW846-6010A
Sodium		20	mg/L		2	SW846-6010A
<b>RADS</b>						
Alpha activity	U	-1.25	pCi/L	1.02	3.87	EPA-900.0
Beta activity		33.11	pCi/L	4.06	6.48	EPA-900.0
Technetium-99		54.8	pCi/L	12.3	15.5	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene		0.091	mg/L		0.001	SW846-8260
<b>WETCHEM</b>						
Phosphate as Phosphorous	UX	2	mg/L		2	SW846-9056
Silica	N	24	mg/L		1	EPA-370.1
Turbidity		45	NTU		0.5	EPA-180.1 1978

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MW245

GWACO00-20

NW QUARTERLY - 3RD QUARTER GWACO00-20

MW245QS3-00

Collected: 5/4/2000

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		30.06	Inches/Hg			
Conductivity		300	umho/cm			
Depth to Water		45.77	ft			
Dissolved Oxygen		1.71	mg/L			
pH		6.22	Std Unit			
Temperature		62.1	deg F			
<b>METAL</b>						
Aluminum		8.29	mg/L		0.2	SW846-6010A
Calcium		22.1	mg/L		1	SW846-6010A
Iron		6.9	mg/L		0.2	SW846-6010A
Magnesium		9.21	mg/L		0.025	SW846-6010A
Manganese		1.56	mg/L		0.025	SW846-6010A
Potassium	U	2	mg/L		2	SW846-6010A
Sodium		24.6	mg/L		2	SW846-6010A
<b>METAL-D</b>						
Aluminum		0.759	mg/L		0.2	SW846-6010A
Calcium		18.9	mg/L		1	SW846-6010A
Iron		0.445	mg/L		0.2	SW846-6010A
Magnesium		7.82	mg/L		0.025	SW846-6010A
Manganese		0.774	mg/L		0.025	SW846-6010A
Sodium		21.7	mg/L		2	SW846-6010A
<b>RADS</b>						
Alpha activity	U	0.86	pCi/L	0.46	3.19	EPA-900.0
Beta activity		47.92	pCi/L	5.32	6.08	EPA-900.0
Technetium-99		36	pCi/L	13.5	18.2	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	UX	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene		0.097	mg/L		0.001	SW846-8260
<b>WETCHEM</b>						
Phosphate as Phosphorous	U	2	mg/L		2	SW846-9056
Silica	X	22	mg/L		1	EPA-370.1
Turbidity	J	110	NTU		0.5	EPA-180.1 1978

## MW245

## GWACO00-21

## NW QUARTERLY - 4TH QUARTER GWACO00-21

## MW245QS4-00

Collected: 8/15/2000

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		30.18	Inches/Hg			
Conductivity		278	umho/cm			
Depth to Water		45.51	ft			
Dissolved Oxygen		1.49	mg/L			
pH		6.3	Std Unit			
Temperature		65	deg F			
<b>METAL</b>						
Aluminum		9.45	mg/L		0.2	SW846-6010A
Calcium		20.5	mg/L		1	SW846-6010A
Iron	N	11.4	mg/L		0.2	SW846-6010A
Magnesium		8.85	mg/L		0.025	SW846-6010A
Manganese		2.12	mg/L		0.025	SW846-6010A
Potassium	U	2	mg/L		2	SW846-6010A
Sodium		21.7	mg/L		2	SW846-6010A
<b>METAL-D</b>						
Aluminum, Dissolved		0.753	mg/L		0.2	SW846-6010A
Calcium, Dissolved		19.1	mg/L		1	SW846-6010A
Iron, Dissolved		0.416	mg/L		0.2	SW846-6010A
Magnesium, Dissolved		7.81	mg/L		0.025	SW846-6010A
Manganese, Dissolved		1.07	mg/L		0.025	SW846-6010A
Sodium, Dissolved		20.4	mg/L		2	SW846-6010A
<b>RADS</b>						
Alpha activity	U	1.42	pCi/L	0.61	5.03	EPA-900.0
Beta activity		39.38	pCi/L	4.62	7.29	EPA-900.0
Technetium-99		49.9	pCi/L	14.5	23.8	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene		0.097	mg/L		0.001	SW846-8260
<b>WETCHEM</b>						
Phosphate as Phosphorous	U	2	mg/L		2	SW846-9056
Silica		26	mg/L		1	EPA-370.1
Turbidity		210	NTU		0.5	EPA-180.1 1978

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MW66

GWACO01-01

ACO MW66 MONTHLY/ANNUAL - OCTOBER GWACO01-01

MW66M10-00

Collected: 10/18/2000

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		30.33	Inches/Hg			
Conductivity		183	umho/cm			
Depth to Water		48.82	ft			
Dissolved Oxygen		7.64	mg/L			
pH		5.89	Std Unit			
Temperature		59.9	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Alpha activity	U	-1.69	pCi/L	0.65	6.11	EPA-900.0
Beta activity		192.67	pCi/L	11.21	7.69	EPA-900.0
Technetium-99		243	pCi/L	18.2	17.1	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.01	mg/L		0.01	SW846-8260
1,1,2-Trichloroethane	U	0.01	mg/L		0.01	SW846-8260
1,1-Dichloroethane	U	0.01	mg/L		0.01	SW846-8260
1,2-Dichloroethane	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.01	mg/L		0.01	SW846-8260
Bromodichloromethane	U	0.01	mg/L		0.01	SW846-8260
Carbon tetrachloride	U	0.01	mg/L		0.01	SW846-8260
cis-1,2-Dichloroethene	U	0.01	mg/L		0.01	SW846-8260
Ethylbenzene	U	0.01	mg/L		0.01	SW846-8260
Tetrachloroethene	U	0.01	mg/L		0.01	SW846-8260
Toluene	U	0.01	mg/L		0.01	SW846-8260
Total Xylene	U	0.03	mg/L		0.03	SW846-8260
trans-1,2-Dichloroethene	U	0.01	mg/L		0.01	SW846-8260
Trichloroethene	D	0.21	mg/L		0.002	SW846-8260
<b>WETCHEM</b>						
Turbidity		0.74	NTU		0.5	EPA-180.1 1978

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MW66

GWACO01-02

ACO MW66 MONTHLY - NOVEMBER GWACO01-02

MW66M11-00

Collected: 11/28/2000

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.65	Inches/Hg			
Conductivity		182	umho/cm			
Depth to Water		49.41	ft			
Dissolved Oxygen		7.91	mg/L			
pH		5.93	Std Unit			
Temperature		58.6	deg F			
<b>RADS</b>						
Alpha activity	MU	3.24	pCi/L	1.02	5.9	EPA-900.0
Beta activity		142	pCi/L	7.92	4.22	EPA-900.0
Technetium-99	B	191	pCi/L	17.5	18.2	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.01	mg/L		0.01	SW846-8260
1,1,2-Trichloroethane	U	0.01	mg/L		0.01	SW846-8260
1,1-Dichloroethane	U	0.01	mg/L		0.01	SW846-8260
1,2-Dichloroethane	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.01	mg/L		0.01	SW846-8260
Bromodichloromethane	U	0.01	mg/L		0.01	SW846-8260
Carbon tetrachloride	U	0.01	mg/L		0.01	SW846-8260
cis-1,2-Dichloroethene	U	0.01	mg/L		0.01	SW846-8260
Ethylbenzene	U	0.01	mg/L		0.01	SW846-8260
Tetrachloroethene	U	0.01	mg/L		0.01	SW846-8260
Toluene	U	0.01	mg/L		0.01	SW846-8260
Total Xylene	U	0.03	mg/L		0.03	SW846-8260
trans-1,2-Dichloroethene	U	0.01	mg/L		0.01	SW846-8260
Trichloroethene	EX	0.25	mg/L		0.002	SW846-8260
<b>WETCHEM</b>						
Turbidity		1.7	NTU		0.5	EPA-180.1 1978

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MW66

GWACO01-03

ACO MW66 MONTHLY - DECEMBER GWACO01-03

MW66M12-00

Collected: 12/20/2000

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.74	Inches/Hg			
Conductivity		181	umho/cm			
Depth to Water		49.68	ft			
Dissolved Oxygen		7.42	mg/L			
pH		5.87	Std Unit			
Temperature		56.7	deg F			
<b>RADS</b>						
Alpha activity	U	5.58	pCi/L	1.76	8.18	EPA-900.0
Beta activity		120	pCi/L	7.35	4.53	EPA-900.0
Technetium-99		302	pCi/L	21.4	19.4	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.01	mg/L		0.01	SW846-8260
1,1,2-Trichloroethane	U	0.01	mg/L		0.01	SW846-8260
1,1-Dichloroethane	U	0.01	mg/L		0.01	SW846-8260
1,2-Dichloroethane	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.01	mg/L		0.01	SW846-8260
Bromodichloromethane	U	0.01	mg/L		0.01	SW846-8260
Carbon tetrachloride	U	0.01	mg/L		0.01	SW846-8260
cis-1,2-Dichloroethene	U	0.01	mg/L		0.01	SW846-8260
Ethylbenzene	U	0.01	mg/L		0.01	SW846-8260
Tetrachloroethene	U	0.01	mg/L		0.01	SW846-8260
Toluene	U	0.01	mg/L		0.01	SW846-8260
Total Xylene	U	0.03	mg/L		0.03	SW846-8260
trans-1,2-Dichloroethene	U	0.01	mg/L		0.01	SW846-8260
Trichloroethene		0.24	mg/L		0.002	SW846-8260
<b>WETCHEM</b>						
Turbidity		9.1	NTU		0.5	EPA-180.1 1978

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MW66

GWACO01-04

ACO MW66 MONTHLY - JANUARY GWACO1-04

MW66M1-01

Collected: 1/23/2001

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.83	Inches/Hg			
Conductivity		184	umho/cm			
Depth to Water		49.86	ft			
Dissolved Oxygen		7.53	mg/L			
pH		5.93	Std Unit			
Temperature		57.6	deg F			
<b>RADS</b>						
Alpha activity	U	0.305	pCi/L	0.0898	4.65	EPA-900.0
Beta activity		144	pCi/L	8.02	4.28	EPA-900.0
Technetium-99		251	pCi/L	18	16.8	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.01	mg/L		0.01	SW846-8260
1,1,2-Trichloroethane	U	0.01	mg/L		0.01	SW846-8260
1,1-Dichloroethane	U	0.01	mg/L		0.01	SW846-8260
1,2-Dichloroethane	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.01	mg/L		0.01	SW846-8260
Bromodichloromethane	U	0.01	mg/L		0.01	SW846-8260
Carbon tetrachloride	U	0.01	mg/L		0.01	SW846-8260
cis-1,2-Dichloroethene	U	0.01	mg/L		0.01	SW846-8260
Ethylbenzene	U	0.01	mg/L		0.01	SW846-8260
Tetrachloroethene	U	0.01	mg/L		0.01	SW846-8260
Toluene	U	0.01	mg/L		0.01	SW846-8260
Total Xylene	U	0.03	mg/L		0.03	SW846-8260
trans-1,2-Dichloroethene	U	0.01	mg/L		0.01	SW846-8260
Trichloroethene	EX	0.26	mg/L		0.002	SW846-8260
<b>WETCHEM</b>						
Turbidity		2.2	NTU		0.5	EPA-180.1 1978

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MW66

GWACO01-05

ACO MW66 MONTHLY - FEBRUARY GWACO01-05

MW66M2-01

Collected: 2/26/2001

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.94	Inches/Hg			
Conductivity		192	umho/cm			
Depth to Water		49.86	ft			
Dissolved Oxygen		5	mg/L			
pH		6.2	Std Unit			
Temperature		59.1	deg F			
<b>RADS</b>						
Alpha activity	U	-0.722	pCi/L	0.195	8.02	EPA-900.0
Beta activity		220	pCi/L	10	4.56	EPA-900.0
Technetium-99		504	pCi/L	24.3	18.6	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.01	mg/L		0.01	SW846-8260
1,1,2-Trichloroethane	U	0.01	mg/L		0.01	SW846-8260
1,1-Dichloroethane	U	0.01	mg/L		0.01	SW846-8260
1,2-Dichloroethane	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.01	mg/L		0.01	SW846-8260
Bromodichloromethane	U	0.01	mg/L		0.01	SW846-8260
Carbon tetrachloride	U	0.01	mg/L		0.01	SW846-8260
cis-1,2-Dichloroethene	U	0.01	mg/L		0.01	SW846-8260
Ethylbenzene	U	0.01	mg/L		0.01	SW846-8260
Tetrachloroethene	U	0.01	mg/L		0.01	SW846-8260
Toluene	U	0.01	mg/L		0.01	SW846-8260
Total Xylene	U	0.03	mg/L		0.03	SW846-8260
trans-1,2-Dichloroethene	U	0.01	mg/L		0.01	SW846-8260
Trichloroethene	DX	0.77	mg/L		0.01	SW846-8260
<b>WETCHEM</b>						
Turbidity		1	NTU		0.5	EPA-180.1 1978



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MW66

GWACO01-06

ACO MW66 MONTHLY - MARCH GWACO01-06

MW66M3-01

Collected: 3/20/2001

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.65	Inches/Hg			
Conductivity		260	umho/cm			
Depth to Water		48.5	ft			
Dissolved Oxygen		5.8	mg/L			
pH		5.9	Std Unit			
Temperature		59	deg F			
<b>RADS</b>						
Alpha activity	U	4.46	pCi/L	0.699	5.14	EPA-900.0
Beta activity		743	pCi/L	18.6	4.03	EPA-900.0
Technetium-99		760	pCi/L	26.5	15.7	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.05	mg/L		0.05	SW846-8260
1,1-Dichloroethane	U	0.05	mg/L		0.05	SW846-8260
Bromodichloromethane	U	0.05	mg/L		0.05	SW846-8260
cis-1,2-Dichloroethene	U	0.05	mg/L		0.05	SW846-8260
Ethylbenzene	U	0.05	mg/L		0.05	SW846-8260
Tetrachloroethene	U	0.05	mg/L		0.05	SW846-8260
Toluene	U	0.05	mg/L		0.05	SW846-8260
Total Xylene	U	0.15	mg/L		0.15	SW846-8260
trans-1,2-Dichloroethene	U	0.05	mg/L		0.05	SW846-8260
Trichloroethene	D	3.8	mg/L		0.05	SW846-8260
<b>WETCHEM</b>						
Turbidity		0.69	NTU		0.5	EPA-180.1 1978

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**MW66**

**GWACO01-07**

## ACO MW66 MONTHLY - APRIL GWACO01-07

**MW66M4-01**

Collected: 4/11/2001

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.29	Inches/Hg			
Conductivity		273	umho/cm			
Depth to Water		47.6	ft			
Dissolved Oxygen		4.35	mg/L			
pH		5.93	Std Unit			
Temperature		62.4	deg F			
<b>RADS</b>						
Alpha activity		15.5	pCi/L	2.19	8.07	EPA-900.0
Beta activity		773	pCi/L	19.1	4.36	EPA-900.0
Technetium-99		1280	pCi/L	34.2	16.8	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.25	mg/L		0.25	SW846-8260
1,1-Dichloroethane	U	0.25	mg/L		0.25	SW846-8260
Bromodichloromethane	U	0.25	mg/L		0.25	SW846-8260
cis-1,2-Dichloroethene	U	0.25	mg/L		0.25	SW846-8260
Ethylbenzene	U	0.25	mg/L		0.25	SW846-8260
Toluene	U	0.25	mg/L		0.25	SW846-8260
Total Xylene	U	0.75	mg/L		0.75	SW846-8260
trans-1,2-Dichloroethene	U	0.25	mg/L		0.25	SW846-8260
Trichloroethene		4.7	mg/L		0.05	SW846-8260
<b>WETCHEM</b>						
Turbidity		1.5	NTU		0.5	EPA-180.1 1978

**MW66**

**GWACO01-08**

**ACO MW66 MONTHLY - MAY GWACO01-08**

**MW66M5-01**

Collected: 5/15/2001

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.5	Inches/Hg			
Conductivity		225	umho/cm			
Depth to Water		47.4	ft			
Dissolved Oxygen		5.39	mg/L			
pH		6.05	Std Unit			
Temperature		62.8	deg F			
<b>RADS</b>						
Alpha activity		9.67	pCi/L	1.74	5.11	EPA-900.0
Beta activity		306	pCi/L	11.7	4.66	EPA-900.0
Technetium-99		544	pCi/L	23.5	15.9	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.25	mg/L		0.25	SW846-8260
1,1-Dichloroethane	U	0.25	mg/L		0.25	SW846-8260
Bromodichloromethane	U	0.25	mg/L		0.25	SW846-8260
cis-1,2-Dichloroethene	U	0.25	mg/L		0.25	SW846-8260
Ethylbenzene	U	0.25	mg/L		0.25	SW846-8260
Toluene	UY	0.25	mg/L		0.25	SW846-8260
Total Xylene	U	0.75	mg/L		0.75	SW846-8260
trans-1,2-Dichloroethene	U	0.25	mg/L		0.25	SW846-8260
Trichloroethene	D	1.3	mg/L		0.05	SW846-8260
<b>WETCHEM</b>						
Turbidity		0.58	NTU		0.5	EPA-180.1 1978

**MW66**

**GWACO01-09**

**ACO MW66 MONTHLY - JUNE GWACO01-09**

**MW66M6-01**

Collected: 6/5/2001

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.53	Inches/Hg			
Conductivity		211	umho/cm			
Depth to Water		47.52	ft			
Dissolved Oxygen		5.99	mg/L			
pH		6.05	Std Unit			
Temperature		64.6	deg F			
<b>RADS</b>						
Alpha activity	U	-1.27	pCi/L	0.357	3.65	EPA-900.0
Beta activity		262	pCi/L	10.9	4.67	EPA-900.0
Technetium-99		437	pCi/L	23.5	18.7	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.25	mg/L		0.25	SW846-8260
1,1-Dichloroethane	U	0.25	mg/L		0.25	SW846-8260
Bromodichloromethane	U	0.25	mg/L		0.25	SW846-8260
cis-1,2-Dichloroethene	U	0.25	mg/L		0.25	SW846-8260
Ethylbenzene	U	0.25	mg/L		0.25	SW846-8260
Toluene	U	0.25	mg/L		0.25	SW846-8260
Total Xylene	U	0.5	mg/L		0.5	SW846-8260
trans-1,2-Dichloroethene	U	0.25	mg/L		0.25	SW846-8260
Trichloroethene	D	0.73	mg/L		0.05	SW846-8260
<b>WETCHEM</b>						
Turbidity		0.94	NTU		0.5	EPA-180.1 1978

**MW66**

**GWACO01-10**

**ACO MW66 MONTHLY - JULY GWACO01-10**

**MW66M7-01**

Collected: 7/30/2001

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.56	Inches/Hg			
Conductivity		194.5	umho/cm			
Depth to Water		47.95	ft			
Dissolved Oxygen		7.13	mg/L			
pH		6.06	Std Unit			
Temperature		65	deg F			
<b>RADS</b>						
Alpha activity	U	-2.49	pCi/L	0.88	4.62	EPA-900.0
Beta activity		151	pCi/L	8.02	4.98	EPA-900.0
Technetium-99		329	pCi/L	21.5	19.3	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.05	mg/L		0.05	SW846-8260
1,1-Dichloroethane	U	0.05	mg/L		0.05	SW846-8260
Bromodichloromethane	U	0.05	mg/L		0.05	SW846-8260
cis-1,2-Dichloroethene	U	0.05	mg/L		0.05	SW846-8260
Ethylbenzene	U	0.05	mg/L		0.05	SW846-8260
Tetrachloroethene	U	0.05	mg/L		0.05	SW846-8260
Toluene	U	0.05	mg/L		0.05	SW846-8260
Total Xylene	U	0.15	mg/L		0.15	SW846-8260
trans-1,2-Dichloroethene	U	0.05	mg/L		0.05	SW846-8260
Trichloroethene	DX	0.45	mg/L		0.01	SW846-8260
<b>WETCHEM</b>						
Turbidity		1.1	NTU		0.5	EPA-180.1 1978

**MW66**

**GWACO01-10**

**ACO MW66 MONTHLY - JULY GWACO01-10**

**MW66DM7-01**

Collected: 7/30/2001

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.56	Inches/Hg			
Conductivity		194.5	umho/cm			
Depth to Water		47.95	ft			
Dissolved Oxygen		7.13	mg/L			
pH		6.06	Std Unit			
Temperature		65	deg F			
<b>RADS</b>						
Alpha activity	U	2.04	pCi/L	0.549	4.61	EPA-900.0
Beta activity		179	pCi/L	8.77	4.98	EPA-900.0
Technetium-99		361	pCi/L	22.2	19.3	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.05	mg/L		0.05	SW846-8260
1,1-Dichloroethane	U	0.05	mg/L		0.05	SW846-8260
Bromodichloromethane	U	0.05	mg/L		0.05	SW846-8260
cis-1,2-Dichloroethene	U	0.05	mg/L		0.05	SW846-8260
Ethylbenzene	U	0.05	mg/L		0.05	SW846-8260
Tetrachloroethene	U	0.05	mg/L		0.05	SW846-8260
Toluene	U	0.05	mg/L		0.05	SW846-8260
Total Xylene	U	0.15	mg/L		0.15	SW846-8260
trans-1,2-Dichloroethene	U	0.05	mg/L		0.05	SW846-8260
Trichloroethene	DX	0.46	mg/L		0.01	SW846-8260
<b>WETCHEM</b>						
Turbidity		0.78	NTU		0.5	EPA-180.1 1978

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**MW66**

**GWACO01-11**

## ACO MW66 MONTHLY - AUGUST GWACO01-11

**MW66M8-01**

Collected: 8/8/2001

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.59	Inches/Hg			
Conductivity		194	umho/cm			
Depth to Water		47.85	ft			
Dissolved Oxygen		6.74	mg/L			
pH		5.99	Std Unit			
Temperature		63.9	deg F			
<b>RADS</b>						
Alpha activity		4.66	pCi/L	1.27	2.92	EPA-900.0
Beta activity		160	pCi/L	8.36	4.46	EPA-900.0
Technetium-99		348	pCi/L	21.9	19.3	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.05	mg/L		0.05	SW846-8260
1,1-Dichloroethane	U	0.05	mg/L		0.05	SW846-8260
Bromodichloromethane	U	0.05	mg/L		0.05	SW846-8260
cis-1,2-Dichloroethene	U	0.05	mg/L		0.05	SW846-8260
Ethylbenzene	U	0.05	mg/L		0.05	SW846-8260
Tetrachloroethene	U	0.05	mg/L		0.05	SW846-8260
Toluene	U	0.05	mg/L		0.05	SW846-8260
Total Xylene	U	0.15	mg/L		0.15	SW846-8260
trans-1,2-Dichloroethene	U	0.05	mg/L		0.05	SW846-8260
Trichloroethene	DX	0.38	mg/L		0.01	SW846-8260
<b>WETCHEM</b>						
Turbidity		1.2	NTU		0.5	EPA-180.1 1978

**MW66**

**GWACO01-12**

**ACO MW66 MONTHLY - SEPTEMBER GWACO01-12**

**MW66M9-01**

Collected: 9/25/2001

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.65	Inches/Hg			
Conductivity		202	umho/cm			
Depth to Water		48.28	ft			
Dissolved Oxygen		7.04	mg/L			
pH		6	Std Unit			
Temperature		61	deg F			
<b>RADS</b>						
Alpha activity	U	-5.72	pCi/L	1.6	4.79	EPA-900.0
Beta activity		252	pCi/L	10.4	4.62	EPA-900.0
Technetium-99		428	pCi/L	21.9	17	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.1	mg/L		0.1	SW846-8260
1,1-Dichloroethane	U	0.1	mg/L		0.1	SW846-8260
Bromodichloromethane	U	0.1	mg/L		0.1	SW846-8260
cis-1,2-Dichloroethene	U	0.1	mg/L		0.1	SW846-8260
Ethylbenzene	U	0.1	mg/L		0.1	SW846-8260
Toluene	U	0.1	mg/L		0.1	SW846-8260
Total Xylene	U	0.3	mg/L		0.3	SW846-8260
trans-1,2-Dichloroethene	U	0.1	mg/L		0.1	SW846-8260
Trichloroethene	D	0.66	mg/L		0.02	SW846-8260
<b>WETCHEM</b>						
Turbidity		0.55	NTU		0.5	EPA-180.1 1978



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MW245

GWACO01-18

NW QUARTERLY/ANNUAL SOUTH - 1ST QUARTER GWACO01-18

MW245QS1-01

Collected: 11/9/2000

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		10.3	mg/L		2	SW846-9056
Fluoride		0.18	mg/L		0.1	EPA-340.2
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		10.4	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.85	Inches/Hg			
Conductivity		273	umho/cm			
Depth to Water		46.27	ft			
Dissolved Oxygen		1.36	mg/L			
pH		6.2	Std Unit			
Temperature		61.7	deg F			
<b>METAL</b>						
Aluminum		5.96	mg/L		0.2	SW846-6010A
Barium		0.19	mg/L		0.025	SW846-6010A
Beryllium	U	0.005	mg/L		0.005	SW846-6010A
Cadmium	U	0.02	mg/L		0.02	SW846-6010A
Calcium		19.7	mg/L		1	SW846-6010A
Chromium	U	0.025	mg/L		0.025	SW846-6010A
Cobalt	U	0.025	mg/L		0.025	SW846-6010A
Copper		0.031	mg/L		0.025	SW846-6010A
Iron		5.68	mg/L		0.2	SW846-6010A
Magnesium		8.06	mg/L		0.025	SW846-6010A
Manganese		0.872	mg/L		0.025	SW846-6010A
Molybdenum	BU	0.025	mg/L		0.025	SW846-6010A
Nickel	U	0.025	mg/L		0.025	SW846-6010A
Potassium	U	2	mg/L		2	SW846-6010A
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Silver	BU	0.025	mg/L		0.025	SW846-6010A
Sodium		21	mg/L		2	SW846-6010A
Uranium	NU	0.001	mg/L		0.001	IN7105
Zinc	U	0.2	mg/L		0.2	SW846-6010A
<b>METAL-D</b>						
Aluminum, Dissolved	BJN	0.576	mg/L		0.2	SW846-6010A
Barium, Dissolved		0.17	mg/L		0.025	SW846-6010A
Calcium, Dissolved	N	17	mg/L		1	SW846-6010A
Copper, Dissolved	U	0.025	mg/L		0.025	SW846-6010A
Iron, Dissolved		0.32	mg/L		0.2	SW846-6010A
Magnesium, Dissolved		7.24	mg/L		0.025	SW846-6010A
Manganese, Dissolved		0.641	mg/L		0.025	SW846-6010A
Sodium, Dissolved	N	17.4	mg/L		2	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		155	mg/L		50	EPA-160.2
<b>RADS</b>						
Alpha activity	U	2.44	pCi/L	1.09	7.22	EPA-900.0
Beta activity		32.1	pCi/L	3.52	4.52	EPA-900.0
Neptunium-237	U	-0.262	pCi/L	0.0829	1.19	RL-7103
Plutonium-239/240	U	0.0135	pCi/L	0.0392	0.163	RL-7120
Radium	UX	0.237	pCi/L	0.0998	0.611	RL-7113
Radon		269	pCi/L	69.5	184	RL-7104

**MW245****GWACO01-18****NW QUARTERLY/ANNUAL SOUTH - 1ST QUARTER GWACO01-18**

Technetium-99		44.9	pCi/L	12.7	16.9	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	UX	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene		0.11	mg/L		0.001	SW846-8260
<b>WETCHEM</b>						
Alkalinity		92	mg/L		10	EPA-310.1
Phosphate as Phosphorous	U	2	mg/L		2	SW846-9056
Silica		22	mg/L		1	EPA-370.1
Total Organic Carbon (TOC)	JU	1.6	mg/L		1.6	SW846-9060
Turbidity		80	NTU		0.5	EPA-180.1 1978

**MW245**

**GWACO01-19**

**NW QUARTERLY - 2ND QUARTER GWACO01-19**

**MW245QS2-01**

Collected: 2/21/2001

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.97	Inches/Hg			
Conductivity		280	umho/cm			
Depth to Water		47.75	ft			
Dissolved Oxygen		2.22	mg/L			
pH		6.22	Std Unit			
Temperature		58.8	deg F			
<b>METAL</b>						
Aluminum		2.66	mg/L		0.2	SW846-6010A
Calcium		22	mg/L		1	SW846-6010A
Iron		2.36	mg/L		0.2	SW846-6010A
Magnesium		8.75	mg/L		0.025	SW846-6010A
Manganese		1.01	mg/L		0.025	SW846-6010A
Potassium	U	2	mg/L		2	SW846-6010A
Sodium		23	mg/L		2	SW846-6010A
<b>METAL-D</b>						
Aluminum, Dissolved	U	0.2	mg/L		0.2	SW846-6010A
Calcium, Dissolved		19.1	mg/L		1	SW846-6010A
Iron, Dissolved	U	0.2	mg/L		0.2	SW846-6010A
Magnesium, Dissolved		7.61	mg/L		0.025	SW846-6010A
Manganese, Dissolved		0.468	mg/L		0.025	SW846-6010A
Potassium, Dissolved	U	2	mg/L		2	SW846-6010A
Sodium, Dissolved		20.3	mg/L		2	SW846-6010A
<b>RADS</b>						
Alpha activity	U	-2.35	pCi/L	1.36	7.91	EPA-900.0
Beta activity		27.7	pCi/L	3.22	4.6	EPA-900.0
Technetium-99		45	pCi/L	14.2	18.6	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene		0.1	mg/L		0.001	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260
<b>WETCHEM</b>						
Phosphate as Phosphorous	U	2	mg/L		2	SW846-9056
Silica		24	mg/L		1	EPA-370.1
Turbidity		35	NTU		0.5	EPA-180.1 1978

**MW245**

**GWACO01-20**

**NW QUARTERLY - 3RD QUARTER GWACO01-20**

**MW245QS3-01**

Collected: 5/2/2001

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.59	Inches/Hg			
Conductivity		310	umho/cm			
Depth to Water		45.3	ft			
Dissolved Oxygen		1.54	mg/L			
pH		6.2	Std Unit			
Temperature		63	deg F			
<b>METAL</b>						
Aluminum		5.22	mg/L		0.2	SW846-6010A
Calcium		20.8	mg/L		1	SW846-6010A
Iron		4.5	mg/L		0.2	SW846-6010A
Magnesium		8.7	mg/L		0.025	SW846-6010A
Manganese		1.63	mg/L		0.025	SW846-6010A
Potassium	U	2	mg/L		2	SW846-6010A
Sodium		21.8	mg/L		2	SW846-6010A
<b>METAL-D</b>						
Aluminum, Dissolved		0.577	mg/L		0.2	SW846-6010A
Calcium, Dissolved		19.9	mg/L		1	SW846-6010A
Iron, Dissolved		0.331	mg/L		0.2	SW846-6010A
Magnesium, Dissolved		8.03	mg/L		0.025	SW846-6010A
Manganese, Dissolved		0.848	mg/L		0.025	SW846-6010A
Sodium, Dissolved		20.9	mg/L		2	SW846-6010A
<b>RADS</b>						
Alpha activity	U	2.46	pCi/L	1.23	6.33	EPA-900.0
Beta activity		24.4	pCi/L	3.01	5.07	EPA-900.0
Technetium-99		35	pCi/L	14.3	19.6	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene		0.11	mg/L		0.001	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260
<b>WETCHEM</b>						
Phosphate as Phosphorous	U	2	mg/L		2	SW846-9056
Silica		23	mg/L		1	EPA-370.1
Turbidity		70	NTU		0.5	EPA-180.1 1978

**MW245**

**GWACO01-21**

**NW QUARTERLY - 4TH QUARTER GWACO01-21**

**MW245QS4-01**

Collected: 8/15/2001

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.5	Inches/Hg			
Conductivity		291	umho/cm			
Depth to Water		45.84	ft			
Dissolved Oxygen		1.24	mg/L			
pH		6.24	Std Unit			
Temperature		65	deg F			
<b>METAL</b>						
Aluminum	N	5.22	mg/L		0.2	SW846-6010A
Calcium		19.9	mg/L		1	SW846-6010A
Iron	N	5.86	mg/L		0.2	SW846-6010A
Magnesium		8.27	mg/L		0.025	SW846-6010A
Manganese		1.32	mg/L		0.025	SW846-6010A
Potassium	BU	2	mg/L		2	SW846-6010A
Sodium		20.2	mg/L		2	SW846-6010A
<b>METAL-D</b>						
Aluminum, Dissolved		0.256	mg/L		0.2	SW846-6010A
Calcium, Dissolved		22	mg/L		1	SW846-6010A
Iron, Dissolved	U	0.2	mg/L		0.2	SW846-6010A
Magnesium, Dissolved		8.63	mg/L		0.025	SW846-6010A
Manganese, Dissolved		1.04	mg/L		0.025	SW846-6010A
Sodium, Dissolved		21.9	mg/L		2	SW846-6010A
<b>RADS</b>						
Alpha activity	U	-1.63	pCi/L	1.03	5.47	EPA-900.0
Beta activity		24.2	pCi/L	2.93	4.8	EPA-900.0
Technetium-99		28.9	pCi/L	13.4	18.6	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.01	mg/L		0.01	SW846-8260
1,1,2-Trichloroethane	U	0.01	mg/L		0.01	SW846-8260
1,1-Dichloroethane	JU	0.01	mg/L		0.01	SW846-8260
1,2-Dichloroethane	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.01	mg/L		0.01	SW846-8260
Bromodichloromethane	U	0.01	mg/L		0.01	SW846-8260
Carbon tetrachloride	U	0.01	mg/L		0.01	SW846-8260
cis-1,2-Dichloroethene	U	0.01	mg/L		0.01	SW846-8260
Ethylbenzene	U	0.01	mg/L		0.01	SW846-8260
Tetrachloroethene	U	0.01	mg/L		0.01	SW846-8260
Toluene	U	0.01	mg/L		0.01	SW846-8260
Total Xylene	U	0.03	mg/L		0.03	SW846-8260
trans-1,2-Dichloroethene	U	0.01	mg/L		0.01	SW846-8260
Trichloroethene		0.1	mg/L		0.002	SW846-8260
<b>WETCHEM</b>						
Phosphate as Phosphorous	U	2	mg/L		2	SW846-9056
Silica		24	mg/L		1	EPA-370.1
Turbidity		100	NTU		0.5	EPA-180.1 1978

**MW66**

**GWACO02-01**

**ACO MW66 MONTHLY/ANNUAL - OCTOBER - GWACO02-01**

**MW66M10-01**

Collected: 10/11/2001

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.59	Inches/Hg			
Conductivity		187	umho/cm			
Depth to Water		48.65	ft			
Dissolved Oxygen		7.05	mg/L			
pH		5.82	Std Unit			
Temperature		61.6	deg F			
<b>RADS</b>						
Alpha activity	U	0.0173	pCi/L	0.0060	4.37	EPA-900.0
Beta activity		143	pCi/L	7.88	5.44	EPA-900.0
Technetium-99		200	pCi/L	16.6	16.3	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.05	mg/L		0.05	SW846-8260
1,1-Dichloroethane	U	0.05	mg/L		0.05	SW846-8260
Bromodichloromethane	U	0.05	mg/L		0.05	SW846-8260
cis-1,2-Dichloroethene	U	0.05	mg/L		0.05	SW846-8260
Ethylbenzene	U	0.05	mg/L		0.05	SW846-8260
Tetrachloroethene	U	0.05	mg/L		0.05	SW846-8260
Toluene	U	0.05	mg/L		0.05	SW846-8260
Total Xylene	U	0.15	mg/L		0.15	SW846-8260
trans-1,2-Dichloroethene	U	0.05	mg/L		0.05	SW846-8260
Trichloroethene	DX	0.33	mg/L		0.01	SW846-8260
<b>WETCHEM</b>						
Turbidity	U	0.5	NTU		0.5	EPA-180.1 1978

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**MW66**

**GWACO02-02**

## ACO MW66 MONTHLY - NOVEMBER - GWACO02-02

**MW66M11-01**

Collected: 11/28/2001

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.65	Inches/Hg			
Conductivity		195	umho/cm			
Depth to Water		48.74	ft			
Dissolved Oxygen		5.7	mg/L			
pH		6.3	Std Unit			
Temperature		58.5	deg F			
<b>RADS</b>						
Alpha activity	MU	0.332	pCi/L	0.0872	7.15	EPA-900.0
Beta activity		177	pCi/L	9.46	5.08	EPA-900.0
Technetium-99		261	pCi/L	18.4	17.2	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.05	mg/L		0.05	SW846-8260
1,1-Dichloroethane	U	0.05	mg/L		0.05	SW846-8260
Bromodichloromethane	U	0.05	mg/L		0.05	SW846-8260
cis-1,2-Dichloroethene	U	0.05	mg/L		0.05	SW846-8260
Ethylbenzene	U	0.05	mg/L		0.05	SW846-8260
Tetrachloroethene	U	0.05	mg/L		0.05	SW846-8260
Toluene	U	0.05	mg/L		0.05	SW846-8260
Total Xylene	U	0.15	mg/L		0.15	SW846-8260
trans-1,2-Dichloroethene	U	0.05	mg/L		0.05	SW846-8260
Trichloroethene	D	0.34	mg/L		0.01	SW846-8260
<b>WETCHEM</b>						
Turbidity	U	0.5	NTU		0.5	EPA-180.1 1978

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MW66

GWACO02-03

ACO MW66 MONTHLY - DECEMBER - GWACO02-03

MW66M12-01

Collected: 12/13/2001

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.47	Inches/Hg			
Conductivity		210	umho/cm			
Depth to Water		48.15	ft			
Dissolved Oxygen		5.97	mg/L			
pH		6.01	Std Unit			
Temperature		59.7	deg F			
<b>RADS</b>						
Alpha activity		12.3	pCi/L	2.19	4.42	EPA-900.0
Beta activity		485	pCi/L	15.6	5.46	EPA-900.0
Technetium-99		612	pCi/L	26.2	18.9	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.05	mg/L		0.05	SW846-8260
1,1-Dichloroethane	U	0.05	mg/L		0.05	SW846-8260
Bromodichloromethane	U	0.05	mg/L		0.05	SW846-8260
cis-1,2-Dichloroethene	U	0.05	mg/L		0.05	SW846-8260
Ethylbenzene	U	0.05	mg/L		0.05	SW846-8260
Tetrachloroethene	U	0.05	mg/L		0.05	SW846-8260
Toluene	U	0.05	mg/L		0.05	SW846-8260
Total Xylene	U	0.15	mg/L		0.15	SW846-8260
trans-1,2-Dichloroethene	U	0.05	mg/L		0.05	SW846-8260
Trichloroethene	X	1.2	mg/L		0.01	SW846-8260
<b>WETCHEM</b>						
Turbidity		0.55	NTU		0.5	EPA-180.1 1978



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MW66

GWACO02-04

ACO MW66 MONTHLY - JANUARY - GWACO02-04

MW66M1-02

Collected: 1/16/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.74	Inches/Hg			
Conductivity		298	umho/cm			
Depth to Water		46.65	ft			
Dissolved Oxygen		5.01	mg/L			
pH		5.93	Std Unit			
Temperature		59.2	deg F			
<b>RADS</b>						
Alpha activity	U	-12.7	pCi/L	1.92	4.4	EPA-900.0
Beta activity		1260	pCi/L	25.8	4.78	EPA-900.0
Technetium-99		1630	pCi/L	38.3	17.9	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.1	mg/L		0.1	SW846-8260
1,1-Dichloroethane	U	0.1	mg/L		0.1	SW846-8260
Bromodichloromethane	U	0.1	mg/L		0.1	SW846-8260
cis-1,2-Dichloroethene	U	0.1	mg/L		0.1	SW846-8260
Ethylbenzene	U	0.1	mg/L		0.1	SW846-8260
Toluene	U	0.1	mg/L		0.1	SW846-8260
Total Xylene	U	0.3	mg/L		0.3	SW846-8260
trans-1,2-Dichloroethene	U	0.1	mg/L		0.1	SW846-8260
Trichloroethene	DEX	7.2	mg/L		0.02	SW846-8260
<b>WETCHEM</b>						
Turbidity		1.8	NTU		0.5	EPA-180.1 1978

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**MW66**

**GWACO02-05**

## ACO MW66 MONTHLY - FEBRUARY - GWACO02-05

**MW66M2-02**

Collected: 2/26/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.68	Inches/Hg			
Conductivity		334	umho/cm			
Depth to Water		45.1	ft			
Dissolved Oxygen		4.23	mg/L			
pH		5.89	Std Unit			
Temperature		56.9	deg F			
<b>RADS</b>						
Alpha activity	U	-11.2	pCi/L	1.28	3.2	EPA-900.0
Beta activity		1470	pCi/L	29	5.76	EPA-900.0
Technetium-99		2050	pCi/L	42.7	17.3	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.5	mg/L		0.5	SW846-8260
1,1-Dichloroethane	U	0.5	mg/L		0.5	SW846-8260
Bromodichloromethane	U	0.5	mg/L		0.5	SW846-8260
Toluene	U	0.5	mg/L		0.5	SW846-8260
Total Xylene	U	1.5	mg/L		1.5	SW846-8260
trans-1,2-Dichloroethene	U	0.5	mg/L		0.5	SW846-8260
Trichloroethene	DX	9.8	mg/L		0.1	SW846-8260
<b>WETCHEM</b>						
Turbidity		0.65	NTU		0.5	EPA-180.1 1978

**MW66**

**GWACO02-06**

**ACO MW66 MONTHLY - MARCH - GWACO02-06**

**MW66M3-02**

Collected: 3/11/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.76	Inches/Hg			
Conductivity		337	umho/cm			
Depth to Water		44.6	ft			
Dissolved Oxygen		40.17	mg/L			
pH		6.02	Std Unit			
Temperature		60.5	deg F			
<b>RADS</b>						
Alpha activity		23.2	pCi/L	2.98	3.11	EPA-900.0
Beta activity		1370	pCi/L	27.7	5.58	EPA-900.0
Technetium-99		1770	pCi/L	39.4	16.5	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.5	mg/L		0.5	SW846-8260
1,1-Dichloroethane	U	0.5	mg/L		0.5	SW846-8260
Bromodichloromethane	U	0.5	mg/L		0.5	SW846-8260
Toluene	U	0.5	mg/L		0.5	SW846-8260
Total Xylene	U	1.5	mg/L		1.5	SW846-8260
trans-1,2-Dichloroethene	U	0.5	mg/L		0.5	SW846-8260
Trichloroethene	DX	8	mg/L		0.1	SW846-8260
<b>WETCHEM</b>						
Turbidity		1.4	NTU		0.5	EPA-180.1 1978

**MW66**

**GWACO02-07**

**ACO MW66 MONTHLY - APRIL - GWACO02-07**

**MW66M4-02**

Collected: 4/15/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.44	Inches/Hg			
Conductivity		405	umho/cm			
Depth to Water		42.46	ft			
Dissolved Oxygen		4.3	mg/L			
pH		5.86	Std Unit			
Temperature		63.4	deg F			
<b>RADS</b>						
Alpha activity		42.8	pCi/L	4.65	5.83	EPA-900.0
Beta activity		2110	pCi/L	34.6	6.31	EPA-900.0
Technetium-99		2470	pCi/L	46.5	16.9	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	1	mg/L		1	SW846-8260
1,1-Dichloroethane	U	1	mg/L		1	SW846-8260
Bromodichloromethane	U	1	mg/L		1	SW846-8260
Toluene	U	1	mg/L		1	SW846-8260
Total Xylene	U	3	mg/L		3	SW846-8260
Trichloroethene	DX	14	mg/L		0.2	SW846-8260
<b>WETCHEM</b>						
Turbidity		0.5	NTU		0.5	EPA-180.1 1978

**MW66**

**GWACO02-08**

**ACO MW66 MONTHLY - MAY - GWACO02-08**

**MW66M5-02**

Collected: 5/9/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.41	Inches/Hg			
Conductivity		431	umho/cm			
Depth to Water		40.52	ft			
Dissolved Oxygen		4.63	mg/L			
pH		5.97	Std Unit			
Temperature		60.5	deg F			
<b>RADS</b>						
Alpha activity		75.1	pCi/L	6.22	7	EPA-900.0
Beta activity		1760	pCi/L	31.7	5.13	EPA-900.0
Technetium-99		2360	pCi/L	48.3	18.7	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	1	mg/L		1	SW846-8260
1,1-Dichloroethane	U	1	mg/L		1	SW846-8260
Bromodichloromethane	U	1	mg/L		1	SW846-8260
Toluene	U	1	mg/L		1	SW846-8260
Total Xylene	U	3	mg/L		3	SW846-8260
Trichloroethene	DX	15	mg/L		0.2	SW846-8260
<b>WETCHEM</b>						
Turbidity		1.2	NTU		0.5	EPA-180.1 1978

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**MW66**

**GWACO02-09**

## ACO MW66 MONTHLY - JUNE - GWACO02-09

**MW66M6-02**

Collected: 6/5/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.38	Inches/Hg			
Conductivity		432	umho/cm			
Depth to Water		38.43	ft			
Dissolved Oxygen		4.5	mg/L			
pH		5.85	Std Unit			
Temperature		63.7	deg F			
<b>RADS</b>						
Alpha activity		14.6	pCi/L	1.67	6.88	EPA-900.0
Beta activity		1980	pCi/L	32.8	5.5	EPA-900.0
Technetium-99		2320	pCi/L	46.1	17.3	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	1	mg/L		1	SW846-8260
1,1-Dichloroethane	U	1	mg/L		1	SW846-8260
Bromodichloromethane	U	1	mg/L		1	SW846-8260
Toluene	U	1	mg/L		1	SW846-8260
Total Xylene	U	3	mg/L		3	SW846-8260
Trichloroethene	DX	13	mg/L		0.2	SW846-8260
<b>WETCHEM</b>						
Turbidity		2.2	NTU		0.5	EPA-180.1 1978

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MW66

GWACO02-10

ACO MW66 MONTHLY - JULY - GWACO02-10

MW66M7-02

Collected: 7/24/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.56	Inches/Hg			
Conductivity		214	umho/cm			
Depth to Water		41.85	ft			
Dissolved Oxygen		7.3	mg/L			
pH		6.01	Std Unit			
Temperature		64.5	deg F			
<b>RADS</b>						
Alpha activity	U	2.93	pCi/L	0.624	4.67	EPA-900.0
Beta activity		392	pCi/L	14.2	5.04	EPA-900.0
Technetium-99	M	603	pCi/L	33.8	19.7	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	1	mg/L		1	SW846-8260
1,1-Dichloroethane	U	1	mg/L		1	SW846-8260
Bromodichloromethane	U	1	mg/L		1	SW846-8260
Toluene	U	1	mg/L		1	SW846-8260
Total Xylene	U	3	mg/L		3	SW846-8260
Trichloroethene	DX	2.4	mg/L		0.2	SW846-8260
<b>WETCHEM</b>						
Turbidity		2.2	NTU		0.5	EPA-180.1 1978

MW66DM7-02

Collected: 7/24/2002

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.56	Inches/Hg			
Conductivity		214	umho/cm			
Depth to Water		41.85	ft			
Dissolved Oxygen		7.3	mg/L			
pH		6.01	Std Unit			
Temperature		64.5	deg F			
<b>RADS</b>						
Alpha activity	U	0.897	pCi/L	0.193	4.62	EPA-900.0
Beta activity		407	pCi/L	14.5	5.03	EPA-900.0
Technetium-99	M	744	pCi/L	36.8	19.7	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	1	mg/L		1	SW846-8260
1,1-Dichloroethane	U	1	mg/L		1	SW846-8260
Bromodichloromethane	U	1	mg/L		1	SW846-8260
Toluene	U	1	mg/L		1	SW846-8260
Total Xylene	U	3	mg/L		3	SW846-8260
Trichloroethene	DX	2.3	mg/L		0.2	SW846-8260
<b>WETCHEM</b>						
Turbidity		1.5	NTU		0.5	EPA-180.1 1978

**MW66**

**GWACO02-11**

**ACO MW66 MONTHLY - AUGUST - GWACO02-11**

**MW66M8-02**

Collected: 8/29/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.71	Inches/Hg			
Conductivity		192	umho/cm			
Depth to Water		44.18	ft			
Dissolved Oxygen		7.35	mg/L			
pH		5.9	Std Unit			
Temperature		63.6	deg F			
<b>RADS</b>						
Alpha activity	U	1.37	pCi/L	0.337	6.05	EPA-900.0
Beta activity		200	pCi/L	9.89	5.61	EPA-900.0
Technetium-99		280	pCi/L	23.4	16.6	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.25	mg/L		0.25	SW846-8260
1,1-Dichloroethane	U	0.25	mg/L		0.25	SW846-8260
Bromodichloromethane	U	0.25	mg/L		0.25	SW846-8260
cis-1,2-Dichloroethene	U	0.25	mg/L		0.25	SW846-8260
Ethylbenzene	U	0.25	mg/L		0.25	SW846-8260
Toluene	U	0.25	mg/L		0.25	SW846-8260
Total Xylene	U	0.75	mg/L		0.75	SW846-8260
trans-1,2-Dichloroethene	U	0.25	mg/L		0.25	SW846-8260
Trichloroethene	DX	0.99	mg/L		0.05	SW846-8260
<b>WETCHEM</b>						
Turbidity		1.4	NTU		0.5	EPA-180.1 1978



**MW66**

**GWACO02-12**

**ACO MW66 MONTHLY - SEPTEMBER - GWACO02-12**

**MW66M9-02**

Collected: 9/23/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.85	Inches/Hg			
Conductivity		183	umho/cm			
Depth to Water		45.7	ft			
Dissolved Oxygen		7.24	mg/L			
pH		5.9	Std Unit			
Temperature		64.2	deg F			
<b>RADS</b>						
Alpha activity		4.91	pCi/L	1.46	3.23	EPA-900.0
Beta activity		174	pCi/L	9.14	5.3	EPA-900.0
Technetium-99		389	pCi/L	24.1	19.1	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.1	mg/L		0.1	SW846-8260
1,1-Dichloroethane	U	0.1	mg/L		0.1	SW846-8260
Bromodichloromethane	U	0.1	mg/L		0.1	SW846-8260
cis-1,2-Dichloroethene	U	0.1	mg/L		0.1	SW846-8260
Ethylbenzene	U	0.1	mg/L		0.1	SW846-8260
Toluene	U	0.1	mg/L		0.1	SW846-8260
Total Xylene	U	0.3	mg/L		0.3	SW846-8260
trans-1,2-Dichloroethene	U	0.1	mg/L		0.1	SW846-8260
Trichloroethene	DX	0.85	mg/L		0.02	SW846-8260
<b>WETCHEM</b>						
Turbidity		0.6	NTU		0.5	EPA-180.1 1978

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MW245

GWACO02-18

NW QUARTERLY/ANNUAL SOUTH - 1ST QUARTER - GWACO02-18

MW245QS1-02

Collected: 11/7/2001

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		11.6	mg/L		2	SW846-9056
Fluoride		0.2	mg/L		0.1	EPA-340.2
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		10.6	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.83	Inches/Hg			
Conductivity		277	umho/cm			
Depth to Water		45.83	ft			
Dissolved Oxygen		2.21	mg/L			
pH		6.2	Std Unit			
Temperature		59.7	deg F			
<b>METAL</b>						
Aluminum	N	0.224	mg/L		0.2	SW846-6010A
Barium		0.152	mg/L		0.025	SW846-6010A
Beryllium	BU	0.005	mg/L		0.005	SW846-6010A
Cadmium	BUW	0.005	mg/L		0.005	SW846-7131
Calcium		16.4	mg/L		1	SW846-6010A
Chromium	U	0.025	mg/L		0.025	SW846-6010A
Cobalt	U	0.025	mg/L		0.025	SW846-6010A
Copper	BU	0.025	mg/L		0.025	SW846-6010A
Iron	N	0.232	mg/L		0.2	SW846-6010A
Magnesium		6.9	mg/L		0.025	SW846-6010A
Manganese		0.311	mg/L		0.025	SW846-6010A
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	U	0.05	mg/L		0.05	SW846-6010A
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Potassium	U	2	mg/L		2	SW846-6010A
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Silver	U	0.025	mg/L		0.025	SW846-6010A
Sodium		16.8	mg/L		2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Zinc	U	0.2	mg/L		0.2	SW846-6010A
<b>METAL-D</b>						
Aluminum, Dissolved	U	0.2	mg/L		0.2	SW846-6010A
Barium, Dissolved		0.17	mg/L		0.025	SW846-6010A
Calcium, Dissolved		19.6	mg/L		1	SW846-6010A
Iron, Dissolved	U	0.2	mg/L		0.2	SW846-6010A
Magnesium, Dissolved		7.91	mg/L		0.025	SW846-6010A
Manganese, Dissolved		0.783	mg/L		0.025	SW846-6010A
Sodium, Dissolved		19.9	mg/L		2	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		164	mg/L		50	EPA-160.2
<b>RADS</b>						
Alpha activity	U	1.93	pCi/L	1.07	3.25	EPA-900.0
Beta activity		26.2	pCi/L	3.12	4.76	EPA-900.0
Neptunium-237	U	0.392	pCi/L	0.196	0.553	RL-7103
Plutonium-239/240	U	-0.0111	pCi/L	0.037	0.103	RL-7120
Radium	U	0.179	pCi/L	0.0006	0.583	RL-7113
Radon		206	pCi/L	59.8	177	RL-7104

**MW245****GWACO02-18****NW QUARTERLY/ANNUAL SOUTH - 1ST QUARTER - GWACO02-18**

Technetium-99		63.6	pCi/L	13.4	16.9	RL-7100
Thorium-230	U	0.308	pCi/L	0.136	0.606	RL-7120
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	UX	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene	EX	0.13	mg/L		0.001	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260
<b>WETCHEM</b>						
Alkalinity		101	mg/L		10	EPA-310.1
Phosphate as Phosphorous	U	2	mg/L		2	SW846-9056
Silica		28	mg/L		1	EPA-370.1
Total Organic Carbon (TOC)	U	1	mg/L		1	SW846-9060
Turbidity		34	NTU		0.5	EPA-180.1 1978

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MW245

GWACO02-19

NW QUARTERLY - 2ND QUARTER - GWACO02-19

MW245QS2-02

Collected: 2/27/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.74	Inches/Hg			
Conductivity		297	umho/cm			
Depth to Water		42.92	ft			
Dissolved Oxygen		2.72	mg/L			
pH		6.48	Std Unit			
Temperature		60.5	deg F			
<b>METAL</b>						
Aluminum	N	0.97	mg/L		0.2	SW846-6010A
Calcium		24.2	mg/L		1	SW846-6010A
Iron	BN	1.09	mg/L		0.2	SW846-6010A
Magnesium		9.21	mg/L		0.025	SW846-6010A
Manganese		1.2	mg/L		0.025	SW846-6010A
Potassium	U	2	mg/L		2	SW846-6010A
Sodium		25.3	mg/L		2	SW846-6010A
<b>METAL-D</b>						
Aluminum, Dissolved	U	0.2	mg/L		0.2	SW846-6010A
Calcium, Dissolved		20	mg/L		1	SW846-6010A
Iron, Dissolved	U	0.2	mg/L		0.2	SW846-6010A
Magnesium, Dissolved		7.85	mg/L		0.025	SW846-6010A
Manganese, Dissolved		0.594	mg/L		0.025	SW846-6010A
Sodium, Dissolved	N	19.8	mg/L		2	SW846-6010A
<b>RADS</b>						
Alpha activity	U	0.75	pCi/L	0.452	4.39	EPA-900.0
Beta activity		26.9	pCi/L	3.37	5.61	EPA-900.0
Technetium-99		44.8	pCi/L	13.1	17.3	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.01	mg/L		0.01	SW846-8260
1,1,2-Trichloroethane	U	0.01	mg/L		0.01	SW846-8260
1,1-Dichloroethane	U	0.01	mg/L		0.01	SW846-8260
1,2-Dichloroethane	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.01	mg/L		0.01	SW846-8260
Bromodichloromethane	U	0.01	mg/L		0.01	SW846-8260
Carbon tetrachloride	U	0.01	mg/L		0.01	SW846-8260
cis-1,2-Dichloroethene	UX	0.01	mg/L		0.01	SW846-8260
Ethylbenzene	U	0.01	mg/L		0.01	SW846-8260
Tetrachloroethene	U	0.01	mg/L		0.01	SW846-8260
Toluene	U	0.01	mg/L		0.01	SW846-8260
Total Xylene	U	0.03	mg/L		0.03	SW846-8260
trans-1,2-Dichloroethene	U	0.01	mg/L		0.01	SW846-8260
Trichloroethene	DX	0.17	mg/L		0.002	SW846-8260
<b>WETCHEM</b>						
Phosphate as Phosphorous	U	2	mg/L		2	SW846-9056
Silica		24	mg/L		1	EPA-370.1
Turbidity		60	NTU		0.5	EPA-180.1 1978

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MW245

GWACO02-20

NW QUARTERLY - 3RD QUARTER - GWACO02-20

MW245QS3-02

Collected: 5/7/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.53	Inches/Hg			
Conductivity		279	umho/cm			
Depth to Water		38.62	ft			
Dissolved Oxygen		1.55	mg/L			
pH		6.25	Std Unit			
Temperature		61.7	deg F			
<b>METAL</b>						
Aluminum		3.51	mg/L		0.2	SW846-6010A
Calcium		19.8	mg/L		1	SW846-6010A
Iron		5	mg/L		0.2	SW846-6010A
Magnesium		7.92	mg/L		0.025	SW846-6010A
Manganese		0.732	mg/L		0.025	SW846-6010A
Potassium	U	2	mg/L		2	SW846-6010A
Sodium		19.2	mg/L		2	SW846-6010A
<b>METAL-D</b>						
Aluminum, Dissolved	U	0.2	mg/L		0.2	SW846-6010A
Calcium, Dissolved		18.7	mg/L		1	SW846-6010A
Iron, Dissolved	U	0.2	mg/L		0.2	SW846-6010A
Magnesium, Dissolved		7.65	mg/L		0.025	SW846-6010A
Manganese, Dissolved		0.561	mg/L		0.025	SW846-6010A
Sodium, Dissolved	J	19.5	mg/L		2	SW846-6010A
<b>RADS</b>						
Alpha activity		5.02	pCi/L	2.14	4.44	EPA-900.0
Beta activity		28.8	pCi/L	3.42	5.5	EPA-900.0
Technetium-99		34.7	pCi/L	12.3	16.5	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.01	mg/L		0.01	SW846-8260
1,1,2-Trichloroethane	U	0.01	mg/L		0.01	SW846-8260
1,1-Dichloroethane	U	0.01	mg/L		0.01	SW846-8260
1,2-Dichloroethane	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.01	mg/L		0.01	SW846-8260
Bromodichloromethane	U	0.01	mg/L		0.01	SW846-8260
Carbon tetrachloride	U	0.01	mg/L		0.01	SW846-8260
cis-1,2-Dichloroethene	U	0.01	mg/L		0.01	SW846-8260
Ethylbenzene	U	0.01	mg/L		0.01	SW846-8260
Tetrachloroethene	U	0.01	mg/L		0.01	SW846-8260
Toluene	U	0.01	mg/L		0.01	SW846-8260
Total Xylene	U	0.03	mg/L		0.03	SW846-8260
trans-1,2-Dichloroethene	U	0.01	mg/L		0.01	SW846-8260
Trichloroethene	DX	0.15	mg/L		0.002	SW846-8260
<b>WETCHEM</b>						
Phosphate as Phosphorous	U	2	mg/L		2	SW846-9056
Silica		26	mg/L		1	EPA-370.1
Turbidity		77	NTU		0.5	EPA-180.1 1978

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**MW245**

**GWACO02-21**

**NW QUARTERLY - 4TH QUARTER - GWACO02-21**

**MW245QS4-02**

Collected: 8/15/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.68	Inches/Hg			
Conductivity		286	umho/cm			
Depth to Water		41	ft			
Dissolved Oxygen		1.8	mg/L			
pH		6.22	Std Unit			
Temperature		66.7	deg F			
<b>METAL</b>						
Aluminum	N	0.234	mg/L		0.2	SW846-6010A
Calcium		19.8	mg/L		2	SW846-6010A
Iron	N	0.255	mg/L		0.2	SW846-6010A
Magnesium		7.91	mg/L		0.025	SW846-6010A
Manganese		0.669	mg/L		0.025	SW846-6010A
Potassium	U	2	mg/L		2	SW846-6010A
Sodium		19	mg/L		2	SW846-6010A
<b>METAL-D</b>						
Aluminum, Dissolved	U	0.2	mg/L		0.2	SW846-6010A
Calcium, Dissolved	N	20.8	mg/L		2	SW846-6010A
Iron, Dissolved	U	0.2	mg/L		0.2	SW846-6010A
Magnesium, Dissolved		8.33	mg/L		0.025	SW846-6010A
Manganese, Dissolved		1.16	mg/L		0.025	SW846-6010A
Potassium, Dissolved	U	2	mg/L		2	SW846-6010A
Sodium, Dissolved	J	19.4	mg/L		2	SW846-6010A
<b>RADS</b>						
Alpha activity	U	2.16	pCi/L	1.12	5.49	EPA-900.0
Beta activity		22.5	pCi/L	2.99	4.83	EPA-900.0
Technetium-99		32	pCi/L	11.6	15.5	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.01	mg/L		0.01	SW846-8260
1,1,2-Trichloroethane	U	0.01	mg/L		0.01	SW846-8260
1,1-Dichloroethane	U	0.01	mg/L		0.01	SW846-8260
1,2-Dichloroethane	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.01	mg/L		0.01	SW846-8260
Bromodichloromethane	U	0.01	mg/L		0.01	SW846-8260
Carbon tetrachloride	U	0.01	mg/L		0.01	SW846-8260
cis-1,2-Dichloroethene	U	0.01	mg/L		0.01	SW846-8260
Ethylbenzene	U	0.01	mg/L		0.01	SW846-8260
Tetrachloroethene	U	0.01	mg/L		0.01	SW846-8260
Toluene	U	0.01	mg/L		0.01	SW846-8260
Total Xylene	U	0.03	mg/L		0.03	SW846-8260
trans-1,2-Dichloroethene	U	0.01	mg/L		0.01	SW846-8260
Trichloroethene	DX	0.14	mg/L		0.002	SW846-8260
<b>WETCHEM</b>						
Phosphate as Phosphorous	U	2	mg/L		2	SW846-9056
Silica		24	mg/L		1	EPA-370.1
Turbidity		75	NTU		0.5	EPA-180.1 1978

**MW66**

**GWACO03-01**

**ACO MW66 MONTHLY- OCTOBER GWACO03-01**

**MW66M10-02**

Collected: 10/23/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.68	Inches/Hg			
Conductivity		176	umho/cm			
Depth to Water		46.79	ft			
Dissolved Oxygen		7.92	mg/L			
pH		5.96	Std Unit			
Temperature		62.5	deg F			
<b>RADS</b>						
Alpha activity	U	-2.25	pCi/L	0.643	5.23	EPA-900.0
Beta activity		194	pCi/L	9.6	5.26	EPA-900.0
Technetium-99		281	pCi/L	19.9	15.7	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.1	mg/L		0.1	SW846-8260
1,1-Dichloroethane	U	0.1	mg/L		0.1	SW846-8260
Bromodichloromethane	U	0.1	mg/L		0.1	SW846-8260
cis-1,2-Dichloroethene	U	0.1	mg/L		0.1	SW846-8260
Ethylbenzene	U	0.1	mg/L		0.1	SW846-8260
Toluene	U	0.1	mg/L		0.1	SW846-8260
Total Xylene	U	0.3	mg/L		0.3	SW846-8260
trans-1,2-Dichloroethene	U	0.1	mg/L		0.1	SW846-8260
Trichloroethene	DX	0.41	mg/L		0.02	SW846-8260
<b>WETCHEM</b>						
Turbidity		0.85	NTU		0.5	EPA-180.1 1978

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**MW66**

**GWACO03-02**

## ACO MW66 MONTHLY - NOVEMBER GWACO03-02

**MW66M11-02**

Collected: 11/18/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.85	Inches/Hg			
Conductivity		181	umho/cm			
Depth to Water		47.25	ft			
Dissolved Oxygen		7.29	mg/L			
pH		5.7	Std Unit			
Temperature		58.3	deg F			
<b>RADS</b>						
Alpha activity	U	-0.214	pCi/L	0.0703	2.47	EPA-900.0
Beta activity		152	pCi/L	8.23	4.28	EPA-900.0
Technetium-99		216	pCi/L	16.4	15	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.05	mg/L		0.05	SW846-8260
1,1-Dichloroethane	U	0.05	mg/L		0.05	SW846-8260
Bromodichloromethane	U	0.05	mg/L		0.05	SW846-8260
cis-1,2-Dichloroethene	U	0.05	mg/L		0.05	SW846-8260
Ethylbenzene	U	0.05	mg/L		0.05	SW846-8260
Tetrachloroethene	U	0.05	mg/L		0.05	SW846-8260
Toluene	U	0.05	mg/L		0.05	SW846-8260
Total Xylene	U	0.15	mg/L		0.15	SW846-8260
trans-1,2-Dichloroethene	U	0.05	mg/L		0.05	SW846-8260
Trichloroethene	DX	0.51	mg/L		0.01	SW846-8260
<b>WETCHEM</b>						
Turbidity	U	0.5	NTU		0.5	EPA-180.1 1978



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MW66

GWACO03-03

ACO MW66 MONTHLY - DECEMBER GWACO03-03

MW66M12-02

Collected: 12/23/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		30.03	Inches/Hg			
Conductivity		186	umho/cm			
Depth to Water		47.94	ft			
Dissolved Oxygen		5.75	mg/L			
pH		6.2	Std Unit			
Temperature		56.1	deg F			
<b>RADS</b>						
Alpha activity	U	0.561	pCi/L	0.157	2.43	EPA-900.0
Beta activity		190	pCi/L	9.22	4.43	EPA-900.0
Technetium-99		250	pCi/L	18.5	17.3	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.05	mg/L		0.05	SW846-8260
1,1-Dichloroethane	U	0.05	mg/L		0.05	SW846-8260
Bromodichloromethane	U	0.05	mg/L		0.05	SW846-8260
cis-1,2-Dichloroethene	U	0.05	mg/L		0.05	SW846-8260
Ethylbenzene	U	0.05	mg/L		0.05	SW846-8260
Tetrachloroethene	U	0.05	mg/L		0.05	SW846-8260
Toluene	U	0.05	mg/L		0.05	SW846-8260
Total Xylene	U	0.15	mg/L		0.15	SW846-8260
trans-1,2-Dichloroethene	U	0.05	mg/L		0.05	SW846-8260
Trichloroethene	DX	0.51	mg/L		0.01	SW846-8260
<b>WETCHEM</b>						
Turbidity	U	0.5	NTU		0.5	EPA-180.1 1978

**MW66**

**GWACO03-04**

**ACO MW66 MONTHLY - JANUARY GWACO03-04**

**MW66M1-03**

Collected: 1/27/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		30.09	Inches/Hg			
Conductivity		208	umho/cm			
Depth to Water		45.97	ft			
Dissolved Oxygen		6.13	mg/L			
pH		5.76	Std Unit			
Temperature		58	deg F			
<b>RADS</b>						
Alpha activity	L	6.18	pCi/L	1.04	5.61	EPA-900.0
Beta activity		558	pCi/L	18.9	6.9	EPA-900.0
Technetium-99		705	pCi/L	30.1	20.1	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.1	mg/L		0.1	SW846-8260
1,1-Dichloroethane	U	0.1	mg/L		0.1	SW846-8260
Bromodichloromethane	U	0.1	mg/L		0.1	SW846-8260
cis-1,2-Dichloroethene	U	0.1	mg/L		0.1	SW846-8260
Ethylbenzene	U	0.1	mg/L		0.1	SW846-8260
Toluene	U	0.1	mg/L		0.1	SW846-8260
Total Xylene	U	0.3	mg/L		0.3	SW846-8260
trans-1,2-Dichloroethene	U	0.1	mg/L		0.1	SW846-8260
Trichloroethene	DX	1.2	mg/L		0.02	SW846-8260

**MW66**

**GWACO03-05**

**ACO MW66 MONTHLY - FEBRUARY GWACO03-05**

**MW66M2-03**

Collected: 2/24/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		30.29	Inches/Hg			
Conductivity		227	umho/cm			
Depth to Water		46.32	ft			
Dissolved Oxygen		5.53	mg/L			
pH		6.17	Std Unit			
Redox		217	mV			
Temperature		58.4	deg F			
Turbidity		31	NTU			
<b>RADS</b>						
Alpha activity	U	2.35	pCi/L	0.386	5.39	EPA-900.0
Beta activity		578	pCi/L	18.8	5.93	EPA-900.0
Technetium-99		631	pCi/L	25.5	15.9	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.1	mg/L		0.1	SW846-8260
1,1-Dichloroethane	U	0.1	mg/L		0.1	SW846-8260
Bromodichloromethane	U	0.1	mg/L		0.1	SW846-8260
cis-1,2-Dichloroethene	U	0.1	mg/L		0.1	SW846-8260
Ethylbenzene	U	0.1	mg/L		0.1	SW846-8260
Toluene	U	0.1	mg/L		0.1	SW846-8260
Total Xylene	U	0.3	mg/L		0.3	SW846-8260
trans-1,2-Dichloroethene	U	0.1	mg/L		0.1	SW846-8260
Trichloroethene	DX	1.4	mg/L		0.02	SW846-8260

**MW66**

**GWACO03-05**

**ACO MW66 MONTHLY - FEBRUARY GWACO03-05**

**MW66DM2-03**

Collected: 2/24/2003

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		30.29	Inches/Hg			
Conductivity		227	umho/cm			
Depth to Water		46.32	ft			
Dissolved Oxygen		5.53	mg/L			
pH		6.17	Std Unit			
Redox		217	mV			
Temperature		58.4	deg F			
Turbidity		31	NTU			
<b>RADS</b>						
Alpha activity	U	4.61	pCi/L	0.698	5.36	EPA-900.0
Beta activity		660	pCi/L	20.1	5.91	EPA-900.0
Technetium-99		700	pCi/L	26.6	15.9	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.1	mg/L		0.1	SW846-8260
1,1-Dichloroethane	U	0.1	mg/L		0.1	SW846-8260
Bromodichloromethane	U	0.1	mg/L		0.1	SW846-8260
cis-1,2-Dichloroethene	U	0.1	mg/L		0.1	SW846-8260
Ethylbenzene	U	0.1	mg/L		0.1	SW846-8260
Toluene	U	0.1	mg/L		0.1	SW846-8260
Total Xylene	U	0.3	mg/L		0.3	SW846-8260
trans-1,2-Dichloroethene	U	0.1	mg/L		0.1	SW846-8260
Trichloroethene	DX	1.3	mg/L		0.02	SW846-8260

**MW66**

**GWACO03-06**

**ACO MW66 MONTHLY - MARCH GWACO03-06**

**MW66M3-03**

Collected: 3/24/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.91	Inches/Hg			
Conductivity		351	umho/cm			
Depth to Water		44.13	ft			
Dissolved Oxygen		4.57	mg/L			
pH		5.9	Std Unit			
Redox		242	mV			
Temperature		65.1	deg F			
Turbidity		6.5	NTU			
<b>RADS</b>						
Alpha activity		17.7	pCi/L	1.82	6.74	EPA-900.0
Beta activity		1590	pCi/L	33.1	6.19	EPA-900.0
Technetium-99		2120	pCi/L	45.1	16.5	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	1	mg/L		1	SW846-8260
1,1-Dichloroethane	U	1	mg/L		1	SW846-8260
Bromodichloromethane	U	1	mg/L		1	SW846-8260
Toluene	U	1	mg/L		1	SW846-8260
Total Xylene	U	3	mg/L		3	SW846-8260
Trichloroethene	DX	8.1	mg/L		0.2	SW846-8260

**MW66**

**GWACO03-07**

**ACO MW66 MONTHLY - APRIL GWACO03-07**

**MW66M4-03**

Collected: 4/22/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		30	Inches/Hg			
Conductivity		292	umho/cm			
Depth to Water		43.58	ft			
Dissolved Oxygen		4.22	mg/L			
pH		6.1	Std Unit			
Redox		190	mV			
Temperature		61.5	deg F			
Turbidity		1.2	NTU			
<b>RADS</b>						
Alpha activity		6.39	pCi/L	0.807	3.13	EPA-900.0
Beta activity		1040	pCi/L	24.7	5.34	EPA-900.0
Technetium-99		1450	pCi/L	37.4	17.4	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.5	mg/L		0.5	SW846-8260
1,1-Dichloroethane	U	0.5	mg/L		0.5	SW846-8260
Bromodichloromethane	U	0.5	mg/L		0.5	SW846-8260
Toluene	U	0.5	mg/L		0.5	SW846-8260
Total Xylene	U	1.5	mg/L		1.5	SW846-8260
trans-1,2-Dichloroethene	U	0.5	mg/L		0.5	SW846-8260
Trichloroethene	DX	4.9	mg/L		0.1	SW846-8260

**MW66**

**GWACO03-08**

**ACO MW66 MONTHLY - MAY GWACO03-08**

**MW66M5-03**

Collected: 5/22/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		30.06	Inches/Hg			
Conductivity		378	umho/cm			
Depth to Water		42.05	ft			
Dissolved Oxygen		4.66	mg/L			
pH		6.1	Std Unit			
Redox		196	mV			
Temperature		62.8	deg F			
Turbidity		5.1	NTU			
<b>RADS</b>						
Alpha activity		9.67	pCi/L	0.965	6.66	EPA-900.0
Beta activity		1620	pCi/L	31.4	6.05	EPA-900.0
Technetium-99		2270	pCi/L	44.9	15.1	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	1	mg/L		1	SW846-8260
1,1-Dichloroethane	U	1	mg/L		1	SW846-8260
Bromodichloromethane	U	1	mg/L		1	SW846-8260
Toluene	U	1	mg/L		1	SW846-8260
Total Xylene	U	3	mg/L		3	SW846-8260
Trichloroethene	DX	9.8	mg/L		0.2	SW846-8260

**MW66**

**GWACO03-09**

**ACO MW66 MONTHLY - JUNE GWACO03-09**

**MW66M6-03**

Collected: 6/16/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.91	Inches/Hg			
Conductivity		341	umho/cm			
Depth to Water		41	ft			
Dissolved Oxygen		4.11	mg/L			
pH		6.21	Std Unit			
Redox		162	mV			
Temperature		63.5	deg F			
Turbidity		5.9	NTU			
<b>RADS</b>						
Alpha activity	U	-1.21	pCi/L	0.147	3.18	EPA-900.0
Beta activity		1200	pCi/L	26.6	6.15	EPA-900.0
Technetium-99		1760	pCi/L	41.5	17.5	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	1	mg/L		1	SW846-8260
1,1-Dichloroethane	U	1	mg/L		1	SW846-8260
Bromodichloromethane	U	1	mg/L		1	SW846-8260
Toluene	U	1	mg/L		1	SW846-8260
Total Xylene	U	3	mg/L		3	SW846-8260
Trichloroethene	DX	7.8	mg/L		0.2	SW846-8260



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**MW66**

**GWACO03-10**

## ACO MW66 MONTHLY - JULY GWACO03-10

**MW66M7-03**

Collected: 7/30/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.91	Inches/Hg			
Conductivity		222	umho/cm			
Depth to Water		42.09	ft			
Dissolved Oxygen		6.71	mg/L			
pH		6.1	Std Unit			
Redox		155	mV			
Temperature		65.5	deg F			
Turbidity		5.6	NTU			
<b>RADS</b>						
Alpha activity		4	pCi/L	1.18	3.62	EPA-900.0
Beta activity		253	pCi/L	11.5	5.45	EPA-900.0
Technetium-99		256	pCi/L	18.6	16.5	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.1	mg/L		0.1	SW846-8260
1,1-Dichloroethane	U	0.1	mg/L		0.1	SW846-8260
Bromodichloromethane	U	0.1	mg/L		0.1	SW846-8260
cis-1,2-Dichloroethene	U	0.1	mg/L		0.1	SW846-8260
Ethylbenzene	U	0.1	mg/L		0.1	SW846-8260
Toluene	U	0.1	mg/L		0.1	SW846-8260
Total Xylene	U	0.3	mg/L		0.3	SW846-8260
trans-1,2-Dichloroethene	U	0.1	mg/L		0.1	SW846-8260
Trichloroethene	DX	1.2	mg/L		0.02	SW846-8260

**MW66**

**GWACO03-11**

**ACO MW66 MONTHLY - AUGUST GWACO03-11**

**MW66M8-03**

Collected: 8/27/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.91	Inches/Hg			
Conductivity		194	umho/cm			
Depth to Water		43.43	ft			
Dissolved Oxygen		6.84	mg/L			
pH		6.16	Std Unit			
Redox		213	mV			
Temperature		65.6	deg F			
Turbidity		4.6	NTU			
<b>RADS</b>						
Alpha activity	U	-0.113	pCi/L	0.0293	5.9	EPA-900.0
Beta activity		290	pCi/L	13.4	5.89	EPA-900.0
Technetium-99		281	pCi/L	19.8	17.1	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.1	mg/L		0.1	SW846-8260
1,1-Dichloroethane	U	0.1	mg/L		0.1	SW846-8260
Bromodichloromethane	U	0.1	mg/L		0.1	SW846-8260
cis-1,2-Dichloroethene	U	0.1	mg/L		0.1	SW846-8260
Ethylbenzene	U	0.1	mg/L		0.1	SW846-8260
Toluene	U	0.1	mg/L		0.1	SW846-8260
Total Xylene	U	0.3	mg/L		0.3	SW846-8260
trans-1,2-Dichloroethene	U	0.1	mg/L		0.1	SW846-8260
Trichloroethene	DX	0.8	mg/L		0.02	SW846-8260

**MW66**

**GWACO03-12**

**ACO MW66 MONTHLY - SEPTEMBER GWACO03-12**

**MW66M9-03**

Collected: 9/17/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		30.06	Inches/Hg			
Conductivity		192	umho/cm			
Depth to Water		44.48	ft			
Dissolved Oxygen		6.82	mg/L			
pH		6.1	Std Unit			
Redox		197	mV			
Temperature		62.6	deg F			
Turbidity		2.8	NTU			
<b>RADS</b>						
Alpha activity	U	4.1	pCi/L	1.15	4.19	EPA-900.0
Beta activity		239	pCi/L	12.3	6.45	EPA-900.0
Technetium-99		368	pCi/L	20.8	15.7	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.1	mg/L		0.1	SW846-8260
1,1-Dichloroethane	U	0.1	mg/L		0.1	SW846-8260
Bromodichloromethane	U	0.1	mg/L		0.1	SW846-8260
cis-1,2-Dichloroethene	U	0.1	mg/L		0.1	SW846-8260
Ethylbenzene	U	0.1	mg/L		0.1	SW846-8260
Toluene	U	0.1	mg/L		0.1	SW846-8260
Total Xylene	U	0.3	mg/L		0.3	SW846-8260
trans-1,2-Dichloroethene	U	0.1	mg/L		0.1	SW846-8260
Trichloroethene	DX	0.51	mg/L		0.02	SW846-8260

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MW245

GWACO03-18

NW QUARTERLY/ANNUAL SOUTH - 1ST QUARTER GWACO03-18

MW245QS1-03

Collected: 11/4/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		12.1	mg/L		2	SW846-9056
Fluoride		0.18	mg/L		0.1	EPA-340.2
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		10.2	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.83	Inches/Hg			
Conductivity		268	umho/cm			
Depth to Water		44.9	ft			
Dissolved Oxygen		1.37	mg/L			
pH		6.3	Std Unit			
Temperature		59.6	deg F			
<b>METAL</b>						
Aluminum	J	0.00404	mg/L		0.0002	SW846-6020
Antimony	U	0.005	mg/L		0.005	SW846-6020
Barium		0.175	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium	N	0.0202	mg/L		0.01	SW846-6020
Chromium	NU	0.2	mg/L		0.2	SW846-6020
Cobalt	U	0.01	mg/L		0.01	SW846-6020
Copper	U	0.2	mg/L		0.2	SW846-6020
Iron		2.35	mg/L		2	SW846-6020
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium	J	0.00978	mg/L		0.0002	SW846-6020
Manganese		0.452	mg/L		0.05	SW846-6020
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	U	0.05	mg/L		0.05	SW846-6020
Potassium	U	0.002	mg/L		0.002	SW846-6020
Selenium	U	0.005	mg/L		0.005	SW846-6020
Silver	U	0.001	mg/L		0.001	SW846-6020
Sodium	JN	0.0222	mg/L		0.01	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Zinc		0.0214	mg/L		0.02	SW846-6020
<b>METAL-D</b>						
Aluminum, Dissolved	JN	0.372	mg/L		0.2	SW846-6020
Barium, Dissolved		0.162	mg/L		0.005	SW846-6020
Calcium, Dissolved	W	21.8	mg/L		10	SW846-6020
Cobalt, Dissolved	JNU	0.001	mg/L		0.001	SW846-6020
Iron, Dissolved	U	0.2	mg/L		0.2	SW846-6020
Magnesium, Dissolved	JNW	9.81	mg/L		0.2	SW846-6020
Manganese, Dissolved	N	0.309	mg/L		0.005	SW846-6020
Mercury, Dissolved	UW	0.0002	mg/L		0.0002	SW846-7470
Potassium, Dissolved	W	0.854	mg/L		0.2	SW846-6020
Sodium, Dissolved	JNW	26.6	mg/L		10	SW846-6020
Zinc, Dissolved	BJNU	0.02	mg/L		0.02	SW846-6020
<b>PHYSC</b>						
Dissolved Solids		171	mg/L		50	EPA-160.2
<b>RADS</b>						

**MW245****GWACO03-18****NW QUARTERLY/ANNUAL SOUTH - 1ST QUARTER GWACO03-18**

Alpha activity	U	1.59	pCi/L	0.728	5.74	EPA-900.0
Beta activity		26.9	pCi/L	3.29	4.83	EPA-900.0
Neptunium-237	U	-0.527	pCi/L	0.272	0.943	RL-7103
Plutonium-239/240	U	0.00422	pCi/L	0.0468	0.104	RL-7120
Radium-226	DU	0.185	pCi/L	0.109	0.714	RL-7113
Radon	X	228	pCi/L	66.9	173	RL-7104
Technetium-99		50.3	pCi/L	14	18.1	RL-7100
Thorium-230	U	0.0509	pCi/L	0.0917	0.292	RL-7120
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.01	mg/L		0.01	SW846-8260
1,1,2-Trichloroethane	U	0.01	mg/L		0.01	SW846-8260
1,1-Dichloroethane	U	0.01	mg/L		0.01	SW846-8260
1,2-Dichloroethane	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.01	mg/L		0.01	SW846-8260
Bromodichloromethane	U	0.01	mg/L		0.01	SW846-8260
Carbon tetrachloride	U	0.01	mg/L		0.01	SW846-8260
cis-1,2-Dichloroethene	U	0.01	mg/L		0.01	SW846-8260
Ethylbenzene	U	0.01	mg/L		0.01	SW846-8260
Tetrachloroethene	U	0.01	mg/L		0.01	SW846-8260
Toluene	U	0.01	mg/L		0.01	SW846-8260
Total Xylene	U	0.03	mg/L		0.03	SW846-8260
trans-1,2-Dichloroethene	U	0.01	mg/L		0.01	SW846-8260
Trichloroethene	DX	0.21	mg/L		0.006	SW846-8260
<b>WETCHEM</b>						
Alkalinity		96	mg/L		10	EPA-310.1
Phosphate as Phosphorous	U	2	mg/L		2	SW846-9056
Silica		21	mg/L		1	EPA-370.1
Total Organic Carbon (TOC)	U	1	mg/L		1	SW846-9060
Turbidity		35	NTU		0.5	EPA-180.1 1978

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MW245

GWACO03-19

NW QUARTERLY - 2ND QUARTER GWACO03-19

MW245QS2-03

Collected: 2/12/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		30.06	Inches/Hg			
Conductivity		288	umho/cm			
Depth to Water		44.44	ft			
Dissolved Oxygen		1.34	mg/L			
pH		6.46	Std Unit			
Redox		203	mV			
Temperature		60	deg F			
Turbidity		39.7	NTU			
<b>METAL</b>						
Aluminum	W	3.13	mg/L		2	SW846-6020
Calcium		21.8	mg/L		10	SW846-6020
Iron		1.96	mg/L		0.2	SW846-6020
Magnesium	J	6.99	mg/L		2	SW846-6020
Manganese	N	0.321	mg/L		0.005	SW846-6020
Potassium		1.17	mg/L		0.2	SW846-6020
Sodium	JN	16.3	mg/L		10	SW846-6020
<b>METAL-D</b>						
Aluminum, Dissolved	U	2	mg/L		2	SW846-6020
Calcium, Dissolved	J	21.5	mg/L		10	SW846-6020
Iron, Dissolved	U	0.2	mg/L		0.2	SW846-6020
Magnesium, Dissolved		7.86	mg/L		2	SW846-6020
Manganese, Dissolved		0.335	mg/L		0.005	SW846-6020
Potassium, Dissolved	N	0.786	mg/L		0.2	SW846-6020
Sodium, Dissolved	N	18.9	mg/L		10	SW846-6020
<b>RADS</b>						
Alpha activity	U	-0.706	pCi/L	0.426	5.28	EPA-900.0
Beta activity		27.8	pCi/L	3.54	6.89	EPA-900.0
Technetium-99		42.5	pCi/L	12.9	16.4	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.01	mg/L		0.01	SW846-8260
1,1,2-Trichloroethane	U	0.01	mg/L		0.01	SW846-8260
1,1-Dichloroethane	U	0.01	mg/L		0.01	SW846-8260
1,2-Dichloroethane	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.01	mg/L		0.01	SW846-8260
Bromodichloromethane	U	0.01	mg/L		0.01	SW846-8260
Carbon tetrachloride	U	0.01	mg/L		0.01	SW846-8260
cis-1,2-Dichloroethene	U	0.01	mg/L		0.01	SW846-8260
Ethylbenzene	U	0.01	mg/L		0.01	SW846-8260
Tetrachloroethene	U	0.01	mg/L		0.01	SW846-8260
Toluene	U	0.01	mg/L		0.01	SW846-8260
Total Xylene	U	0.03	mg/L		0.03	SW846-8260
trans-1,2-Dichloroethene	U	0.01	mg/L		0.01	SW846-8260
Trichloroethene	DX	0.13	mg/L		0.002	SW846-8260
<b>WETCHEM</b>						
Phosphate as Phosphorous	U	2	mg/L		2	SW846-9056
Silica		20.51	mg/L		1	EPA-370.1

**MW245**

**GWACO03-20**

**NW QUARTERLY - 3RD QUARTER GWACO03-20**

**MW245QS3-03**

Collected: 5/1/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.83	Inches/Hg			
Conductivity		275	umho/cm			
Depth to Water		41.02	ft			
Dissolved Oxygen		1.74	mg/L			
pH		6.35	Std Unit			
Redox		209	mV			
Temperature		63.8	deg F			
Turbidity		36.9	NTU			
<b>METAL</b>						
Aluminum	N	2.78	mg/L		0.2	SW846-6010A
Calcium	N	19.9	mg/L		1	SW846-6010A
Iron		1.94	mg/L		0.2	SW846-6010A
Magnesium	N	7.99	mg/L		0.2	SW846-6010A
Manganese	N	0.4	mg/L		0.005	SW846-6020
Potassium		1.24	mg/L		0.4	SW846-6010A
Sodium	N	18.6	mg/L		1.5	SW846-6010A
<b>METAL-D</b>						
Aluminum, Dissolved	U	0.2	mg/L		0.2	SW846-6010A
Calcium, Dissolved	J	22.2	mg/L		1	SW846-6010A
Iron, Dissolved	U	0.2	mg/L		0.2	SW846-6010A
Magnesium, Dissolved		8.52	mg/L		0.2	SW846-6010A
Manganese, Dissolved		0.416	mg/L		0.005	SW846-6020
Potassium, Dissolved		0.873	mg/L		0.4	SW846-6010A
Sodium, Dissolved		21.4	mg/L		1.5	SW846-6010A
<b>RADS</b>						
Alpha activity	U	0.433	pCi/L	0.24	4.45	EPA-900.0
Beta activity		23	pCi/L	3.12	6.18	EPA-900.0
Technetium-99		33.3	pCi/L	11.9	15.7	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.025	mg/L		0.025	SW846-8260
1,1-Dichloroethane	U	0.025	mg/L		0.025	SW846-8260
Benzene	U	0.025	mg/L		0.025	SW846-8260
Bromodichloromethane	U	0.025	mg/L		0.025	SW846-8260
cis-1,2-Dichloroethene	U	0.025	mg/L		0.025	SW846-8260
Ethylbenzene	U	0.025	mg/L		0.025	SW846-8260
Tetrachloroethene	U	0.025	mg/L		0.025	SW846-8260
Toluene	U	0.025	mg/L		0.025	SW846-8260
Total Xylene	U	0.075	mg/L		0.075	SW846-8260
trans-1,2-Dichloroethene	U	0.025	mg/L		0.025	SW846-8260
Trichloroethene	DX	0.15	mg/L		0.005	SW846-8260
<b>WETCHEM</b>						
Phosphate as Phosphorous	U	2	mg/L		2	SW846-9056
Silica		23	mg/L		1	EPA-370.1

**MW245**

**GWACO03-21**

**NW QUARTERLY - 4TH QUARTER GWACO03-21**

**MW245QS4-03**

Collected: 8/27/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.91	Inches/Hg			
Conductivity		1380	umho/cm			
Depth to Water		41.3	ft			
Dissolved Oxygen		2.06	mg/L			
pH		3.72	Std Unit			
Redox		324	mV			
Temperature		66	deg F			
Turbidity		954	NTU			
<b>METAL</b>						
Aluminum	N	44.9	mg/L		0.2	SW846-6010A
Calcium	N	85	mg/L		1	SW846-6010A
Iron	N	51.2	mg/L		0.1	SW846-6010A
Magnesium		29.6	mg/L		0.025	SW846-6010A
Manganese	NW	39.9	mg/L		0.5	SW846-6020
Potassium		7.72	mg/L		0.2	SW846-6010A
Sodium		97.6	mg/L		2	SW846-6010A
<b>METAL-D</b>						
Aluminum, Dissolved	N	3.94	mg/L		0.2	SW846-6010A
Calcium, Dissolved	N	78.2	mg/L		1	SW846-6010A
Iron, Dissolved		13.4	mg/L		0.2	SW846-6010A
Magnesium, Dissolved		25.8	mg/L		0.025	SW846-6010A
Manganese, Dissolved	N	38.2	mg/L		0.5	SW846-6020
Potassium, Dissolved		3.93	mg/L		0.2	SW846-6010A
Sodium, Dissolved	N	93.3	mg/L		2	SW846-6010A
<b>RADS</b>						
Alpha activity	U	11.2	pCi/L	4.79	23	EPA-900.0
Beta activity		47.7	pCi/L	7.02	13.7	EPA-900.0
Technetium-99		29.1	pCi/L	12.3	16.2	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.01	mg/L		0.01	SW846-8260
1,1,2-Trichloroethane	U	0.01	mg/L		0.01	SW846-8260
1,1-Dichloroethane	U	0.01	mg/L		0.01	SW846-8260
1,2-Dichloroethane	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.01	mg/L		0.01	SW846-8260
Bromodichloromethane	U	0.01	mg/L		0.01	SW846-8260
Carbon tetrachloride	U	0.01	mg/L		0.01	SW846-8260
cis-1,2-Dichloroethene	U	0.01	mg/L		0.01	SW846-8260
Ethylbenzene	U	0.01	mg/L		0.01	SW846-8260
Tetrachloroethene	U	0.01	mg/L		0.01	SW846-8260
Toluene	U	0.01	mg/L		0.01	SW846-8260
Total Xylene	U	0.03	mg/L		0.03	SW846-8260
trans-1,2-Dichloroethene	U	0.01	mg/L		0.01	SW846-8260
Trichloroethene	D	0.11	mg/L		0.002	SW846-8260
<b>WETCHEM</b>						
Phosphate as Phosphorous	NU	2	mg/L		2	SW846-9056
Silica		82	mg/L		2.5	EPA-370.1



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MW66

GWACO04-01

ACO MW66 MONTHLY - OCTOBER GWACO04-01

MW66M10-03

Collected: 10/22/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.83	Inches/Hg			
Conductivity		193	umho/cm			
Depth to Water		45.55	ft			
Dissolved Oxygen		6.65	mg/L			
pH		6.27	Std Unit			
Redox		295	mV			
Temperature		59.9	deg F			
Turbidity		6.9	NTU			
<b>RADS</b>						
Alpha activity		6.07	pCi/L	1.48	4.46	EPA-900.0
Beta activity		232	pCi/L	11.3	5.61	EPA-900.0
Technetium-99		317	pCi/L	21.3	18.6	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.1	mg/L		0.1	SW846-8260
1,1-Dichloroethane	U	0.1	mg/L		0.1	SW846-8260
Bromodichloromethane	U	0.1	mg/L		0.1	SW846-8260
cis-1,2-Dichloroethene	U	0.1	mg/L		0.1	SW846-8260
Ethylbenzene	U	0.1	mg/L		0.1	SW846-8260
Toluene	U	0.1	mg/L		0.1	SW846-8260
Total Xylene	U	0.3	mg/L		0.3	SW846-8260
trans-1,2-Dichloroethene	U	0.1	mg/L		0.1	SW846-8260
Trichloroethene	DX	0.48	mg/L		0.02	SW846-8260

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**MW66**

**GWACO04-01**

## ACO MW66 MONTHLY - OCTOBER GWACO04-01

**MW66DM10-03**

Collected: 10/22/2003

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.83	Inches/Hg			
Conductivity		193	umho/cm			
Depth to Water		45.55	ft			
Dissolved Oxygen		6.65	mg/L			
pH		6.27	Std Unit			
Redox		295	mV			
Temperature		59.9	deg F			
Turbidity		6.9	NTU			
<b>RADS</b>						
Alpha activity	U	3.22	pCi/L	0.811	4.37	EPA-900.0
Beta activity		253	pCi/L	11.8	5.58	EPA-900.0
Technetium-99		429	pCi/L	23.6	18.6	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.1	mg/L		0.1	SW846-8260
1,1-Dichloroethane	U	0.1	mg/L		0.1	SW846-8260
Bromodichloromethane	U	0.1	mg/L		0.1	SW846-8260
cis-1,2-Dichloroethene	U	0.1	mg/L		0.1	SW846-8260
Ethylbenzene	U	0.1	mg/L		0.1	SW846-8260
Toluene	U	0.1	mg/L		0.1	SW846-8260
Total Xylene	U	0.3	mg/L		0.3	SW846-8260
trans-1,2-Dichloroethene	U	0.1	mg/L		0.1	SW846-8260
Trichloroethene	DX	0.56	mg/L		0.02	SW846-8260

**MW66**

**GWACO04-02**

**ACO MW66 MONTHLY - NOVEMBER GWACO04-02**

**MW66M11-03**

Collected: 11/24/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		30.09	Inches/Hg			
Conductivity		193	umho/cm			
Depth to Water		46.8	ft			
Dissolved Oxygen		6.74	mg/L			
pH		6.18	Std Unit			
Redox		264	mV			
Temperature		61.4	deg F			
Turbidity		9.3	NTU			
<b>RADS</b>						
Alpha activity		8.35	pCi/L	2.06	4.38	EPA-900.0
Beta activity		283	pCi/L	13.3	5.71	EPA-900.0
Technetium-99		292	pCi/L	18.2	14.6	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.05	mg/L		0.05	SW846-8260
1,1-Dichloroethane	U	0.05	mg/L		0.05	SW846-8260
Bromodichloromethane	U	0.05	mg/L		0.05	SW846-8260
cis-1,2-Dichloroethene	U	0.05	mg/L		0.05	SW846-8260
Ethylbenzene	U	0.05	mg/L		0.05	SW846-8260
Tetrachloroethene	U	0.05	mg/L		0.05	SW846-8260
Toluene	U	0.05	mg/L		0.05	SW846-8260
Total Xylene	U	0.15	mg/L		0.15	SW846-8260
trans-1,2-Dichloroethene	U	0.05	mg/L		0.05	SW846-8260
Trichloroethene	DX	0.46	mg/L		0.01	SW846-8260

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**MW66**

**GWACO04-03**

## ACO MW66 MONTHLY - DECEMBER GWACO04-03

**MW66M12-03**

Collected: 12/16/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.68	Inches/Hg			
Conductivity		189	umho/cm			
Depth to Water		46.3	ft			
Dissolved Oxygen		6.35	mg/L			
pH		6.33	Std Unit			
Redox		313	mV			
Temperature		59.6	deg F			
Turbidity		6.7	NTU			
<b>RADS</b>						
Alpha activity	U	1.36	pCi/L	0.342	8.07	EPA-900.0
Beta activity		225	pCi/L	11.7	6.84	EPA-900.0
Technetium-99		368	pCi/L	20.5	15.7	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.1	mg/L		0.1	SW846-8260
1,1-Dichloroethane	U	0.1	mg/L		0.1	SW846-8260
Bromodichloromethane	U	0.1	mg/L		0.1	SW846-8260
cis-1,2-Dichloroethene	U	0.1	mg/L		0.1	SW846-8260
Ethylbenzene	U	0.1	mg/L		0.1	SW846-8260
Toluene	U	0.1	mg/L		0.1	SW846-8260
Total Xylene	U	0.3	mg/L		0.3	SW846-8260
trans-1,2-Dichloroethene	U	0.1	mg/L		0.1	SW846-8260
Trichloroethene	DX	0.66	mg/L		0.02	SW846-8260

MW66

GWACO04-04

ACO MW66 MONTHLY - JANUARY GWACO04-04

MW66M1-04

Collected: 1/28/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		30.3	Inches/Hg			
Conductivity		211	umho/cm			
Depth to Water		46.26	ft			
Dissolved Oxygen		6.55	mg/L			
pH		6.79	Std Unit			
Redox		170	mV			
Temperature		54.9	deg F			
Turbidity		7.8	NTU			
<b>RADS</b>						
Alpha activity	U	2.51	pCi/L	0.517	4.27	EPA-900.0
Beta activity		333	pCi/L	14.2	5.52	EPA-900.0
Technetium-99		579	pCi/L	25.7	17.4	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.1	mg/L		0.1	SW846-8260
1,1-Dichloroethane	U	0.1	mg/L		0.1	SW846-8260
Bromodichloromethane	U	0.1	mg/L		0.1	SW846-8260
cis-1,2-Dichloroethene	U	0.1	mg/L		0.1	SW846-8260
Ethylbenzene	U	0.1	mg/L		0.1	SW846-8260
Toluene	U	0.1	mg/L		0.1	SW846-8260
Total Xylene	U	0.3	mg/L		0.3	SW846-8260
trans-1,2-Dichloroethene	U	0.1	mg/L		0.1	SW846-8260
Trichloroethene	DXY	0.77	mg/L		0.02	SW846-8260

**MW66**

**GWACO04-05**

**ACO MW66 MONTHLY - FEBRUARY GWACO04-05**

**MW66M2-04**

Collected: 2/26/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		30.06	Inches/Hg			
Conductivity		267	umho/cm			
Depth to Water		44.8	ft			
Dissolved Oxygen		5.88	mg/L			
pH		6.13	Std Unit			
Redox		158	mV			
Temperature		57.3	deg F			
Turbidity		3.1	NTU			
<b>RADS</b>						
Alpha activity	U	-7.4	pCi/L	1.14	7.06	EPA-900.0
Beta activity		1020	pCi/L	25.7	6.2	EPA-900.0
Technetium-99		1230	pCi/L	34.3	15.8	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.1	mg/L		0.1	SW846-8260
1,1-Dichloroethane	U	0.1	mg/L		0.1	SW846-8260
Bromodichloromethane	U	0.1	mg/L		0.1	SW846-8260
cis-1,2-Dichloroethene	U	0.1	mg/L		0.1	SW846-8260
Ethylbenzene	U	0.1	mg/L		0.1	SW846-8260
Toluene	U	0.1	mg/L		0.1	SW846-8260
Total Xylene	U	0.3	mg/L		0.3	SW846-8260
trans-1,2-Dichloroethene	U	0.1	mg/L		0.1	SW846-8260
Trichloroethene	DX	4.2	mg/L		0.05	SW846-8260

**MW66**

**GWACO04-06**

**ACO MW66 MONTHLY - MARCH GWACO04-06**

**MW66M3-04**

Collected: 3/25/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		30.24	Inches/Hg			
Conductivity		246	umho/cm			
Depth to Water		44.3	ft			
Dissolved Oxygen		4.81	mg/L			
pH		6.17	Std Unit			
Redox		272	mV			
Temperature		62.2	deg F			
Turbidity		11.2	NTU			
<b>RADS</b>						
Alpha activity	U	3.7	pCi/L	0.462	5.51	EPA-900.0
Beta activity		1370	pCi/L	29.2	6.3	EPA-900.0
Technetium-99		1250	pCi/L	33.7	15.4	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.25	mg/L		0.25	SW846-8260
1,1-Dichloroethane	U	0.25	mg/L		0.25	SW846-8260
Bromodichloromethane	U	0.25	mg/L		0.25	SW846-8260
cis-1,2-Dichloroethene	U	0.25	mg/L		0.25	SW846-8260
Ethylbenzene	U	0.25	mg/L		0.25	SW846-8260
Toluene	U	0.25	mg/L		0.25	SW846-8260
Total Xylene	U	0.75	mg/L		0.75	SW846-8260
trans-1,2-Dichloroethene	U	0.25	mg/L		0.25	SW846-8260
Trichloroethene	DX	2.5	mg/L		0.05	SW846-8260

**MW66**

**GWACO04-07**

**ACO MW66 MONTHLY - APRIL GWACO04-07**

**MW66M4-04**

Collected: 4/28/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		30.03	Inches/Hg			
Conductivity		220	umho/cm			
Depth to Water		44.3	ft			
Dissolved Oxygen		6.63	mg/L			
pH		6.39	Std Unit			
Redox		242	mV			
Temperature		61.1	deg F			
Turbidity		3.4	NTU			
<b>RADS</b>						
Alpha activity		11.7	pCi/L	2.41	5.39	EPA-900.0
Beta activity		293	pCi/L	13.4	6.65	EPA-900.0
Technetium-99		416	pCi/L	21.7	16.6	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.1	mg/L		0.1	SW846-8260
1,1-Dichloroethane	U	0.1	mg/L		0.1	SW846-8260
Bromodichloromethane	U	0.1	mg/L		0.1	SW846-8260
cis-1,2-Dichloroethene	U	0.1	mg/L		0.1	SW846-8260
Ethylbenzene	U	0.1	mg/L		0.1	SW846-8260
Toluene	U	0.1	mg/L		0.1	SW846-8260
Total Xylene	U	0.3	mg/L		0.3	SW846-8260
trans-1,2-Dichloroethene	U	0.1	mg/L		0.1	SW846-8260
Trichloroethene	DX	0.87	mg/L		0.02	SW846-8260



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MW245

GWACO04-18

NW QUARTERLY/ANNUAL SOUTH - 1ST QUARTER GWACO04-18

MW245QS1-04

Collected: 11/6/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		17	mg/L		2	SW846-9056
Fluoride		0.28	mg/L		0.1	EPA-340.2
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		8.9	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		30.12	Inches/Hg			
Conductivity		778	umho/cm			
Depth to Water		44.42	ft			
Dissolved Oxygen		0.67	mg/L			
pH		5.61	Std Unit			
Redox		-16	mV			
Temperature		62.9	deg F			
Turbidity		536	NTU			
<b>METAL</b>						
Aluminum	N	19.1	mg/L		0.2	SW846-6010A
Antimony	U	0.005	mg/L		0.005	SW846-6020
Barium	N	1.47	mg/L		0.05	SW846-6020
Beryllium	JU	0.001	mg/L		0.001	SW846-6020
Cadmium		0.00224	mg/L		0.001	SW846-6020
Calcium		46.8	mg/L		1	SW846-6010A
Chromium	U	0.2	mg/L		0.2	SW846-6020
Cobalt		0.334	mg/L		0.01	SW846-6020
Copper	U	0.2	mg/L		0.2	SW846-6020
Iron	N	55.1	mg/L		0.1	SW846-6010A
Lead		0.0134	mg/L		0.005	SW846-6020
Magnesium		18.4	mg/L		0.025	SW846-6010A
Manganese	N	23.1	mg/L		0.5	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	X	0.00281	mg/L		0.001	SW846-6020
Nickel		0.137	mg/L		0.05	SW846-6020
Potassium		3.33	mg/L		0.2	SW846-6010A
Selenium	BU	0.5	mg/L		0.5	SW846-6020
Silver	NU	0.001	mg/L		0.001	SW846-6020
Sodium	N	47.9	mg/L		2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	SW846-6020
Zinc	U	2	mg/L		2	SW846-6020
<b>METAL-D</b>						
Aluminum, Dissolved	U	0.2	mg/L		0.2	SW846-6010A
Barium, Dissolved	BX	1.06	mg/L		0.05	SW846-6020
Cadmium, Dissolved	BU	0.001	mg/L		0.001	SW846-6020
Calcium, Dissolved		40.6	mg/L		1	SW846-6010A
Cobalt, Dissolved		0.311	mg/L		0.01	SW846-6020
Iron, Dissolved		30	mg/L		0.1	SW846-6010A
Lead, Dissolved	U	0.005	mg/L		0.005	SW846-6020
Magnesium, Dissolved		14.9	mg/L		0.025	SW846-6010A
Manganese, Dissolved	NW	21.7	mg/L		0.05	SW846-6020
Molybdenum, Dissolved	BU	0.001	mg/L		0.001	SW846-6020
Potassium, Dissolved		1.66	mg/L		0.2	SW846-6010A
Sodium, Dissolved		43.4	mg/L		2	SW846-6010A

\*QUALIFIER Codes See attached List.

**MW245**

**GWACO04-18**

**NW QUARTERLY/ANNUAL SOUTH - 1ST QUARTER GWACO04-18**

Zinc, Dissolved	U	2	mg/L		2	SW846-6020
<b>PHYSC</b>						
Dissolved Solids		561	mg/L		42	EPA-160.1
<b>RADS</b>						
Alpha activity	U	2.57	pCi/L	1.37	17.4	EPA-900.0
Beta activity	U	4.08	pCi/L	0.961	13.2	EPA-900.0
Neptunium-237	U	-0.261	pCi/L	0.0795	0.809	RL-7103
Plutonium-239/240	U	-0.0441	pCi/L	0	0.22	RL-7120
Radium-226	U	0.251	pCi/L	0.395	0.979	RL-7129
Radon	X	249	pCi/L	71.1	195	RL-7104
Technetium-99	U	9.26	pCi/L	10.7	15	RL-7100
Thorium-230	U	0.021	pCi/L	0.0744	0.65	RL-7120
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.01	mg/L		0.01	SW846-8260
1,1,2-Trichloroethane	U	0.01	mg/L		0.01	SW846-8260
1,1-Dichloroethane	U	0.01	mg/L		0.01	SW846-8260
1,2-Dichloroethane	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.01	mg/L		0.01	SW846-8260
Bromodichloromethane	U	0.01	mg/L		0.01	SW846-8260
Carbon tetrachloride	U	0.01	mg/L		0.01	SW846-8260
cis-1,2-Dichloroethene	U	0.01	mg/L		0.01	SW846-8260
Ethylbenzene	U	0.01	mg/L		0.01	SW846-8260
Tetrachloroethene	U	0.01	mg/L		0.01	SW846-8260
Toluene	U	0.01	mg/L		0.01	SW846-8260
Total Xylene	U	0.03	mg/L		0.03	SW846-8260
trans-1,2-Dichloroethene	U	0.01	mg/L		0.01	SW846-8260
Trichloroethene	DX	0.13	mg/L		0.002	SW846-8260
<b>WETCHEM</b>						
Alkalinity		87	mg/L		10	EPA-310.1
Phosphate as Phosphorous	U	2	mg/L		2	SW846-9056
Silica		56	mg/L		1	EPA-370.1
Total Organic Carbon (TOC)		92	mg/L		10	SW846-9060

**MW245**

**GWACO97-01**

**ACO Groundwater Monitoring 1st Quarter FY97**

**6258-96**

Collected: 10/3/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Alkalinity		138	mg/L			IN7405
Chloride		19	mg/L			IN7120
Nitrate as Nitrogen	U	1	mg/L			IN7120
Tetraoxo-sulfate(1-)		28.5	mg/L			IN7120
Total Phosphate as Phosphorus	U	2	mg/L			IN7120
<b>Field P</b>						
Depth to Water		42.75	ft			
Dissolved Oxygen		1.33	mg/L			
pH		6.4	Std Unit			
Specific Conductivity (PIP)		504	umho/cm			
Temperature		59	deg F			
<b>METAL</b>						
Aluminum		5.05	mg/L			SW846-6010
Calcium	N	20.2	mg/L			SW846-6010
Iron		6.14	mg/L			SW846-6010
Magnesium	N	8.39	mg/L			SW846-6010
Manganese		1.5	mg/L			SW846-6010
Potassium	U	5	mg/L			SW846-6010
Silica		38	mg/L			IN7470
Sodium	N	60.4	mg/L			SW846-6010
<b>METAL-D</b>						
Aluminum	U	0.75	mg/L			SW846-6010
Calcium	N	17	mg/L			SW846-6010
Iron	U	0.3	mg/L			SW846-6010
Magnesium	N	6.98	mg/L			SW846-6010
Manganese		1.24	mg/L			SW846-6010
Sodium	N	51.6	mg/L			SW846-6010
<b>PHYSC</b>						
Turbidity		180	NTU			IN7490
<b>RADS</b>						
Alpha activity		0.1	pCi/L	0		RL-7122
Beta activity		19	pCi/L	3		RL-7122
Radon-222		228	pCi/L	54		R-51
Technetium-99		14.4	pCi/L	10.1		RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1-Dichloroethane	U	0.005	mg/L			SW846-8260
1,2-Dichloroethane	U	0.005	mg/L			SW846-8260
Benzene	U	0.005	mg/L			SW846-8260
Bromodichloromethane	U	0.005	mg/L			SW846-8260
Carbon tetrachloride	U	0.005	mg/L			SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L			SW846-8260
Ethylbenzene	U	0.005	mg/L			SW846-8260
Tetrachloroethene	U	0.005	mg/L			SW846-8260
Toluene	U	0.005	mg/L			SW846-8260
Total Xylene	U	0.01	mg/L			SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L			SW846-8260
Trichloroethene	U	0.011	mg/L			SW846-8260

MW245

GWACO97-01

ACO Groundwater Monitoring 1st Quarter FY97

6314-96

Collected: 11/21/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Alkalinity		127	mg/L			IN7405
Chloride		15	mg/L			IN7120
Nitrate as Nitrogen	U	1	mg/L			IN7120
Tetraoxo-sulfate(1-)		21.8	mg/L			IN7120
Total Phosphate as Phosphorus		3.2	mg/L			IN7120
<b>Field P</b>						
Depth to Water		42.65	ft			
Dissolved Oxygen		1.53	mg/L			
pH		6.4	Std Unit			
Temperature		58	deg F			
<b>METAL</b>						
Aluminum		2.14	mg/L			SW846-6010
Calcium	N	19.1	mg/L			SW846-6010
Iron		2.84	mg/L			SW846-6010
Magnesium	N	8.1	mg/L			SW846-6010
Manganese		1.41	mg/L			SW846-6010
Potassium	U	5	mg/L			SW846-6010
Silica		30	mg/L			IN7470
Sodium	N	50.2	mg/L			SW846-6010
<b>METAL-D</b>						
Aluminum	U	0.75	mg/L			SW846-6010
Calcium	N*	16.2	mg/L			SW846-6010
Iron	U	0.3	mg/L			SW846-6010
Magnesium	N*	7.12	mg/L			SW846-6010
Manganese		1.21	mg/L			SW846-6010
Sodium	N	39.8	mg/L			SW846-6010
<b>PHYSC</b>						
Specific Conductivity (PIP)		442	umho/cm			FS
Turbidity		70	NTU			IN7490
<b>RADS</b>						
Alpha activity		-0.3	pCi/L	-0.2		RL-7122
Beta activity		19	pCi/L	3		RL-7122
Radon-222		192	pCi/L	53		R-51
Technetium-99		17	pCi/L	12		RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1-Dichloroethane	U	0.005	mg/L			SW846-8260
1,2-Dichloroethane	U	0.005	mg/L			SW846-8260
Benzene	U	0.005	mg/L			SW846-8260
Bromodichloromethane	U	0.005	mg/L			SW846-8260
Carbon tetrachloride	U	0.005	mg/L			SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L			SW846-8260
Ethylbenzene	U	0.005	mg/L			SW846-8260
Tetrachloroethene	U	0.005	mg/L			SW846-8260
Toluene	U	0.005	mg/L			SW846-8260
Total Xylene	U	0.01	mg/L			SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L			SW846-8260
Trichloroethene	U	0.014	mg/L			SW846-8260

MW245

GWACO97-01

ACO Groundwater Monitoring 1st Quarter FY97

6401-96

Collected: 12/9/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Alkalinity		119	mg/L			IN7405
Chloride		13.3	mg/L			IN7120
Nitrate as Nitrogen	U	1	mg/L			IN7120
Tetraoxo-sulfate(1-)		18	mg/L			IN7120
Total Organic Carbon (TOC)	U	1	mg/L			ST7480
Total Phosphate as Phosphorus		2.3	mg/L			IN7120
<b>Field P</b>						
Depth to Water		42.67	ft			
Dissolved Oxygen		1.92	mg/L			
pH		6.2	Std Unit			
Temperature		57	deg F			
<b>METAL</b>						
Aluminum		1.09	mg/L			SW846-6010
Barium		0.164	mg/L			SW846-6010
Beryllium	U	0.025	mg/L			SW846-6010
Calcium	N*	18.3	mg/L			SW846-6010
Chromium	U	0.05	mg/L			SW846-6010
Cobalt	U	0.1	mg/L			SW846-6010
Copper	U	0.1	mg/L			SW846-6010
Iron		1.68	mg/L			SW846-6010
Magnesium	N	7.98	mg/L			SW846-6010
Manganese		1.21	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Molybdenum	U	0.1	mg/L			SW846-6010
Nickel	U	0.1	mg/L			SW846-6010
Potassium	U	5	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silica		25	mg/L			IN7470
Silver	U	0.05	mg/L			SW846-6010
Sodium	N	38.8	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Zinc	U	0.25	mg/L			SW846-6010
<b>METAL-D</b>						
Aluminum	U	0.75	mg/L			SW846-6010
Barium		0.134	mg/L			SW846-6010
Calcium	N	15.8	mg/L			SW846-6010
Iron	NU	0.3	mg/L			SW846-6010
Magnesium	N	6.82	mg/L			SW846-6010
Manganese		0.986	mg/L			SW846-6010
Sodium	N	35.4	mg/L			SW846-6010
<b>PHYSC</b>						
Dissolved Solids		222	mg/L			IN7475
Specific Conductivity (PIP)		337	umho/cm			FS
Turbidity		45	NTU			IN7490
<b>RADS</b>						
Alpha activity		-6.3	pCi/L	-3.6		RL-7122
Beta activity		12	pCi/L	2		RL-7122
Neptunium-237		-0.2	pCi/L	-0.1		RL-7103
Plutonium-238		0.01	pCi/L	0.15		RL-7120

**MW245**

**GWACO97-01**

**ACO Groundwater Monitoring 1st Quarter FY97**

Radium-226		4	pCi/L	10	RL-7113
Radon-222		344	pCi/L	58	R-51
Technetium-99		24	pCi/L	11.9	RL-7100
<b>VOA</b>					
1,1,1-Trichloroethane	U	0.005	mg/L		SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		SW846-8260
Benzene	U	0.005	mg/L		SW846-8260
Bromodichloromethane	U	0.005	mg/L		SW846-8260
Carbon tetrachloride	U	0.005	mg/L		SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		SW846-8260
Ethylbenzene	U	0.005	mg/L		SW846-8260
Tetrachloroethene	U	0.005	mg/L		SW846-8260
Toluene	U	0.005	mg/L		SW846-8260
Total Xylene	U	0.01	mg/L		SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		SW846-8260
Trichloroethene		0.018	mg/L		SW846-8260

**MW66**

**GWACO97-01**

**ACO Groundwater Monitoring 1st Quarter FY97**

**6245-96**

Collected: 10/3/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		44.54	ft			
Dissolved Oxygen		5.53	mg/L			
pH		6	Std Unit			
Specific Conductivity (PIP)		181	umho/cm			
Temperature		62	deg F			
<b>RADS</b>						
Alpha activity		0.7	pCi/L	0.2		RL-7122
Beta activity		103	pCi/L	7		RL-7122
Technetium-99		132.1	pCi/L	13.6		RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.5	mg/L			SW846-8260
1,1-Dichloroethane	U	0.5	mg/L			SW846-8260
Bromodichloromethane	U	0.5	mg/L			SW846-8260
Toluene	U	0.5	mg/L			SW846-8260
Total Xylene	U	1	mg/L			SW846-8260
trans-1,2-Dichloroethene	U	0.5	mg/L			SW846-8260
Trichloroethene		0.37	mg/L			SW846-8260

**6301-96**

Collected: 11/25/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		44.6	ft			
Dissolved Oxygen		7.57	mg/L			
pH		5.83	Std Unit			
Temperature		56	deg F			
<b>PHYSC</b>						
Specific Conductivity (PIP)		190	umho/cm			FS
<b>RADS</b>						
Alpha activity		1.3	pCi/L	0.5		RL-7122
Beta activity		160	pCi/L	8		RL-7122
Technetium-99		223	pCi/L	17		RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.5	mg/L			SW846-8260
1,1-Dichloroethane	U	0.5	mg/L			SW846-8260
Bromodichloromethane	U	0.5	mg/L			SW846-8260
Toluene	U	0.5	mg/L			SW846-8260
Total Xylene	U	1	mg/L			SW846-8260
trans-1,2-Dichloroethene	U	0.5	mg/L			SW846-8260
Trichloroethene		0.37	mg/L			SW846-8260

**MW66**

**GWACO97-01**

**ACO Groundwater Monitoring 1st Quarter FY97**

**6407-96**

Collected: 12/11/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		44.01	ft			
Dissolved Oxygen		5.22	mg/L			
pH		6.1	Std Unit			
Temperature		62	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			IN7105
<b>PHYSC</b>						
Specific Conductivity (PIP)		202	umho/cm			FS
<b>RADS</b>						
Alpha activity		0.3	pCi/L	0.1		RL-7122
Beta activity		211	pCi/L	10		RL-7122
Technetium-99		271	pCi/L	19		RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.5	mg/L			SW846-8260
1,1-Dichloroethane	U	0.5	mg/L			SW846-8260
Bromodichloromethane	U	0.5	mg/L			SW846-8260
Toluene	U	0.5	mg/L			SW846-8260
Total Xylene	U	1	mg/L			SW846-8260
trans-1,2-Dichloroethene	U	0.5	mg/L			SW846-8260
Trichloroethene		0.56	mg/L			SW846-8260

**5127-97**

Collected: 2/6/1997

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		42.13	ft			
Dissolved Oxygen		6.03	mg/L			
pH		6	Std Unit			
Specific Conductivity (PIP)		260	umho/cm			
Temperature		58	deg F			
<b>RADS</b>						
Alpha activity		1.7	pCi/L	0.2		RL-7122
Beta activity		1231	pCi/L	28		RL-7122
Technetium-99		1316	pCi/L	34		RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.25	mg/L			SW846-8260
1,1-Dichloroethane	U	0.25	mg/L			SW846-8260
Bromodichloromethane	U	0.25	mg/L			SW846-8260
cis-1,2-Dichloroethene	U	0.25	mg/L			SW846-8260
Ethylbenzene	U	0.25	mg/L			SW846-8260
Toluene	U	0.25	mg/L			SW846-8260
Total Xylene	U	0.25	mg/L			SW846-8260
trans-1,2-Dichloroethene	U	0.25	mg/L			SW846-8260
Trichloroethene		3.7	mg/L			SW846-8260



MW245

GWACO97-02

ACO Groundwater Monitoring 2nd Quarter FY97

5046-97

Collected: 1/24/1997

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Alkalinity		116	mg/L			IN7400
Chloride		12.4	mg/L			IN7120
Nitrate as Nitrogen	U	1	mg/L			IN7120
Tetraoxo-sulfate(1-)		17	mg/L			IN7120
Total Phosphate as Phosphorus	U	2	mg/L			IN7120
<b>Field P</b>						
Depth to Water		39.83	ft			
Dissolved Oxygen		1.66	mg/L			
pH		6.45	Std Unit			
Specific Conductivity (PIP)		380	umho/cm			
Temperature		56	deg F			
<b>METAL</b>						
Aluminum		1.88	mg/L			SW846-6010
Calcium	N	18.4	mg/L			SW846-6010
Iron		2.73	mg/L			SW846-6010
Magnesium	N	7.64	mg/L			SW846-6010
Manganese		1.26	mg/L			SW846-6010
Potassium	U	5	mg/L			SW846-6010
Silica		27	mg/L			IN7470
Sodium	N	34.2	mg/L			SW846-6010
<b>METAL-D</b>						
Aluminum	U	0.75	mg/L			SW846-6010
Calcium	N	16.3	mg/L			SW846-6010
Iron	U	0.3	mg/L			SW846-6010
Magnesium	N	7.04	mg/L			SW846-6010
Manganese		1.11	mg/L			SW846-6010
Sodium	N	31.3	mg/L			SW846-6010
<b>PHYSC</b>						
Turbidity		75	NTU			IN7490
<b>RADS</b>						
Alpha activity		0.5	pCi/L	0.2		RL-7122
Beta activity		27	pCi/L	3		RL-7122
Radon-222		242	pCi/L	53		R-51
Technetium-99		19	pCi/L	12		RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1-Dichloroethane	U	0.005	mg/L			SW846-8260
1,2-Dichloroethane	U	0.005	mg/L			SW846-8260
Benzene	U	0.005	mg/L			SW846-8260
Bromodichloromethane	U	0.005	mg/L			SW846-8260
Carbon tetrachloride	U	0.005	mg/L			SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L			SW846-8260
Ethylbenzene	U	0.005	mg/L			SW846-8260
Tetrachloroethene	U	0.005	mg/L			SW846-8260
Toluene	U	0.005	mg/L			SW846-8260
Total Xylene	U	0.005	mg/L			SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L			SW846-8260
Trichloroethene	U	0.021	mg/L			SW846-8260

MW245

GWACO97-02

ACO Groundwater Monitoring 2nd Quarter FY97

5121-97

Collected: 2/24/1997

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Alkalinity		122	mg/L			IN7400
Chloride		12	mg/L			IN7120
Nitrate as Nitrogen	U	1	mg/L			IN7120
Tetraoxo-sulfate(1-)		15.8	mg/L			IN7120
Total Phosphate as Phosphorus		2	mg/L			IN7120
<b>Field P</b>						
Depth to Water		39.47	ft			
Dissolved Oxygen		1.66	mg/L			
pH		6.4	Std Unit			
Specific Conductivity (PIP)		376	umho/cm			
Temperature		60	deg F			
<b>METAL</b>						
Aluminum	N	2.84	mg/L			SW846-6010
Calcium	N	18.8	mg/L			SW846-6010
Iron		4.2	mg/L			SW846-6010
Magnesium	N	8.08	mg/L			SW846-6010
Manganese		1.29	mg/L			SW846-6010
Potassium	U	5	mg/L			SW846-6010
Silica		27	mg/L			IN7470
Sodium	N	35.6	mg/L			SW846-6010
<b>METAL-D</b>						
Aluminum		0.763	mg/L			SW846-6010
Calcium	N	17.4	mg/L			SW846-6010
Iron		0.448	mg/L			SW846-6010
Magnesium	N	7.04	mg/L			SW846-6010
Manganese		1.14	mg/L			SW846-6010
Sodium	N	31.3	mg/L			SW846-6010
<b>PHYSC</b>						
Turbidity		67	NTU			IN7490
<b>RADS</b>						
Alpha activity		1.6	pCi/L	0.8		RL-7122
Beta activity		17	pCi/L	3		RL-7122
Radon-222		183	pCi/L	57		R-51
Technetium-99		17	pCi/L	12		RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1-Dichloroethane	U	0.005	mg/L			SW846-8260
1,2-Dichloroethane	U	0.005	mg/L			SW846-8260
Benzene	U	0.005	mg/L			SW846-8260
Bromodichloromethane	U	0.005	mg/L			SW846-8260
Carbon tetrachloride	U	0.005	mg/L			SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L			SW846-8260
Ethylbenzene	U	0.005	mg/L			SW846-8260
Tetrachloroethene	U	0.005	mg/L			SW846-8260
Toluene	U	0.005	mg/L			SW846-8260
Total Xylene	U	0.005	mg/L			SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L			SW846-8260
Trichloroethene	U	0.019	mg/L			SW846-8260

**MW245**

**GWACO97-02**

**ACO Groundwater Monitoring 2nd Quarter FY97**

5178-97

Collected: 3/18/1997

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Alkalinity		115	mg/L CaC			IN7400
Chloride		12.1	mg/L			IN7120
Nitrate as Nitrogen	U	1	mg/L			IN7120
Tetraoxo-sulfate(1-)		14.9	mg/L			IN7120
Total Phosphate as Phosphorus		1.7	mg/L			IN7120
<b>Field P</b>						
Depth to Water		36.82	ft			
Dissolved Oxygen		1.31	mg/L			
pH		6.4	Std Unit			
Specific Conductivity (PIP)		363	umho/cm			
Temperature		60	deg F			
<b>METAL</b>						
Aluminum		2.9	mg/L			SW846-6010
Calcium	N*	18.2	mg/L			SW846-6010
Iron	N*	4.54	mg/L			SW846-6010
Magnesium	N	7.11	mg/L			SW846-6010
Manganese		1.2	mg/L			SW846-6010
Potassium	NU	5	mg/L			SW846-6010
Silica		28	mg/L			IN7470
Sodium	N*	32.3	mg/L			SW846-6010
<b>METAL-D</b>						
Aluminum	U	0.75	mg/L			SW846-6010
Calcium	N*	16.6	mg/L			SW846-6010
Iron	U	0.3	mg/L			SW846-6010
Magnesium	N	6.78	mg/L			SW846-6010
Manganese		1.13	mg/L			SW846-6010
Sodium	N	31.3	mg/L			SW846-6010
<b>PHYSC</b>						
Turbidity		57	NTU			IN7490
<b>RADS</b>						
Alpha activity		1.3	pCi/L	0.5		RL-7122
Beta activity		16	pCi/L	2		RL-7122
Radon-222		296	pCi/L	58		R-51
Technetium-99		19	pCi/L	12		RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1-Dichloroethane	U	0.005	mg/L			SW846-8260
1,2-Dichloroethane	U	0.005	mg/L			SW846-8260
Benzene	U	0.005	mg/L			SW846-8260
Bromodichloromethane	U	0.005	mg/L			SW846-8260
Carbon tetrachloride	U	0.005	mg/L			SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L			SW846-8260
Ethylbenzene	U	0.005	mg/L			SW846-8260
Tetrachloroethene	U	0.005	mg/L			SW846-8260
Toluene	U	0.005	mg/L			SW846-8260
Total Xylene	U	0.005	mg/L			SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L			SW846-8260
Trichloroethene	U	0.023	mg/L			SW846-8260

**MW66**

**GWACO97-02**

**ACO Groundwater Monitoring 2nd Quarter FY97**

**5052-97**

Collected: 1/27/1997

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		42.11	ft			
Dissolved Oxygen		6.44	mg/L			
pH		6	Std Unit			
Specific Conductivity (PIP)		221	umho/cm			
Temperature		58	deg F			
<b>RADS</b>						
Alpha activity		5.9	pCi/L	1.2		RL-7122
Beta activity		398	pCi/L	14		RL-7122
Technetium-99		647	pCi/L	26		RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.05	mg/L			SW846-8260
1,1-Dichloroethane	U	0.05	mg/L			SW846-8260
Bromodichloromethane	U	0.05	mg/L			SW846-8260
cis-1,2-Dichloroethene	U	0.05	mg/L			SW846-8260
Ethylbenzene	U	0.05	mg/L			SW846-8260
Tetrachloroethene	U	0.05	mg/L			SW846-8260
Toluene	U	0.05	mg/L			SW846-8260
Total Xylene	U	0.05	mg/L			SW846-8260
trans-1,2-Dichloroethene	U	0.05	mg/L			SW846-8260
Trichloroethene		1.2	mg/L			SW846-8260

**5184-97**

Collected: 3/12/1997

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		40.11	ft			
Dissolved Oxygen		4.72	mg/L			
pH		6	Std Unit			
Specific Conductivity (PIP)		268	umho/cm			
Temperature		58	deg F			
<b>RADS</b>						
Technetium-99		1880	pCi/L	41		RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.5	mg/L			SW846-8260
1,1-Dichloroethane	U	0.5	mg/L			SW846-8260
Bromodichloromethane	U	0.5	mg/L			SW846-8260
Toluene	U	0.5	mg/L			SW846-8260
Total Xylene	U	0.5	mg/L			SW846-8260
trans-1,2-Dichloroethene	U	0.5	mg/L			SW846-8260
Trichloroethene		5.9	mg/L			SW846-8260

MW245

GWACO97-03

ACO Groundwater Monitoring 3rd Quarter FY97

5271-97

Collected: 4/16/1997

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Alkalinity		137	mg/L CaC			IN7400
Chloride		14	mg/L			IN7120
Nitrate as Nitrogen	U	1	mg/L			IN7120
Tetraoxo-sulfate(1-)		17.9	mg/L			IN7120
Total Phosphate as Phosphorus		2.3	mg/L			IN7120
<b>Field P</b>						
Depth to Water		35.35	ft			
Dissolved Oxygen		1.8	mg/L			
pH		6.5	Std Unit			
Specific Conductivity (PIP)		410	umho/cm			
Temperature		61	deg F			
<b>METAL</b>						
Aluminum		12.6	mg/L			SW846-6010
Calcium	N	22	mg/L			SW846-6010
Iron		20.4	mg/L			SW846-6010
Magnesium	N	9.54	mg/L			SW846-6010
Manganese		2.14	mg/L			SW846-6010
Potassium	U	5	mg/L			SW846-6010
Silica		29	mg/L			IN7470
Sodium	N	41.9	mg/L			SW846-6010
<b>METAL-D</b>						
Aluminum	U	0.75	mg/L			SW846-6010
Calcium	N	19.7	mg/L			SW846-6010
Iron		0.392	mg/L			SW846-6010
Magnesium	N	7.98	mg/L			SW846-6010
Manganese		1.8	mg/L			SW846-6010
Sodium	N	39.9	mg/L			SW846-6010
<b>PHYSC</b>						
Turbidity		400	NTU			IN7490
<b>RADS</b>						
Alpha activity		2.1	pCi/L	1		RL-7122
Beta activity		9	pCi/L	2		RL-7122
Radon-222		221	pCi/L	54		R-51
Technetium-99		16	pCi/L	11		RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1-Dichloroethane	U	0.005	mg/L			SW846-8260
1,2-Dichloroethane	U	0.005	mg/L			SW846-8260
Benzene	U	0.005	mg/L			SW846-8260
Bromodichloromethane	U	0.005	mg/L			SW846-8260
Carbon tetrachloride	U	0.005	mg/L			SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L			SW846-8260
Ethylbenzene	U	0.005	mg/L			SW846-8260
Tetrachloroethene	U	0.005	mg/L			SW846-8260
Toluene	U	0.005	mg/L			SW846-8260
Total Xylene	U	0.005	mg/L			SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L			SW846-8260
Trichloroethene	U	0.025	mg/L			SW846-8260

**MW245**

**GWACO97-03**

**ACO Groundwater Monitoring 3rd Quarter FY97**

**5337-97**

Collected: 5/12/1997

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Alkalinity		109	mg/L CaC			IN7400
<b>Field P</b>						
Depth to Water		36.03	ft			
Dissolved Oxygen		1.55	mg/L			
pH		6.4	Std Unit			
Specific Conductivity (PIP)		270	umho/cm			
Temperature		60	deg F			
<b>METAL</b>						
Aluminum		5.4	mg/L			SW846-6010
Calcium	N	19	mg/L			SW846-6010
Iron	N	7.24	mg/L			SW846-6010
Magnesium	N	7.95	mg/L			SW846-6010
Manganese		1.16	mg/L			SW846-6010
Potassium	U	5	mg/L			SW846-6010
Silica		26	mg/L			IN7470
Sodium	N*	30.4	mg/L			SW846-6010
<b>METAL-D</b>						
Aluminum	U	0.75	mg/L			SW846-6010
Calcium	N	16.9	mg/L			SW846-6010
Iron	NU	0.3	mg/L			SW846-6010
Magnesium	N	7.14	mg/L			SW846-6010
Manganese		1.06	mg/L			SW846-6010
Sodium	N	27.4	mg/L			SW846-6010
<b>PHYSC</b>						
Turbidity		130	NTU			IN7490
<b>RADS</b>						
Alpha activity		-1.7	pCi/L	-0.7		RL-7122
Beta activity		13	pCi/L	2		RL-7122
Radon-222		317	pCi/L	55		R-51
Technetium-99		16	pCi/L	12		RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1-Dichloroethane	U	0.005	mg/L			SW846-8260
1,2-Dichloroethane	U	0.005	mg/L			SW846-8260
Benzene	U	0.005	mg/L			SW846-8260
Bromodichloromethane	U	0.005	mg/L			SW846-8260
Carbon tetrachloride	U	0.005	mg/L			SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L			SW846-8260
Ethylbenzene	U	0.005	mg/L			SW846-8260
Tetrachloroethene	U	0.005	mg/L			SW846-8260
Toluene	U	0.005	mg/L			SW846-8260
Total Xylene	U	0.005	mg/L			SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L			SW846-8260
Trichloroethene		0.026	mg/L			SW846-8260

## MW245

## GWACO97-03

## ACO Groundwater Monitoring 3rd Quarter FY97

5415-97

Collected: 6/17/1997

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Alkalinity		125	mg/L CaC			IN7400
Chloride		12	mg/L			IN7120
Nitrate as Nitrogen	U	1	mg/L			IN7120
Tetraoxo-sulfate(1-)		14.9	mg/L			IN7120
Total Phosphate as Phosphorus	U	2	mg/L			IN7120
<b>Field P</b>						
Depth to Water		37.15	ft			
Dissolved Oxygen		0.94	mg/L			
pH		6.6	Std Unit			
Specific Conductivity (PIP)		400	umho/cm			
Temperature		63.7	deg F			
<b>METAL</b>						
Aluminum		4.24	mg/L			SW846-6010
Calcium	N	19.8	mg/L			SW846-6010
Iron	N	5.63	mg/L			SW846-6010
Magnesium		8.65	mg/L			SW846-6010
Manganese		1.41	mg/L			SW846-6010
Potassium	U	5	mg/L			SW846-6010
Silica		27	mg/L			IN7470
Sodium	N	32	mg/L			SW846-6010
<b>METAL-D</b>						
Aluminum	U	0.75	mg/L			SW846-6010
Calcium	N	17.9	mg/L			SW846-6010
Iron	U	0.3	mg/L			SW846-6010
Magnesium	N	7.77	mg/L			SW846-6010
Manganese		1.24	mg/L			SW846-6010
Sodium	N	30	mg/L			SW846-6010
<b>PHYSC</b>						
Turbidity		90	NTU			IN7490
<b>RADS</b>						
Alpha activity		1.9	pCi/L	0.4		RL-7122
Beta activity		14	pCi/L	1		RL-7122
Radon-222		194	pCi/L	50		R-51
Technetium-99		21	pCi/L	13		RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1-Dichloroethane	U	0.005	mg/L			SW846-8260
1,2-Dichloroethane	U	0.005	mg/L			SW846-8260
Benzene	U	0.005	mg/L			SW846-8260
Bromodichloromethane	U	0.005	mg/L			SW846-8260
Carbon tetrachloride	U	0.005	mg/L			SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L			SW846-8260
Ethylbenzene	U	0.005	mg/L			SW846-8260
Tetrachloroethene	U	0.005	mg/L			SW846-8260
Toluene	U	0.005	mg/L			SW846-8260
Total Xylene	U	0.005	mg/L			SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L			SW846-8260
Trichloroethene	U	0.024	mg/L			SW846-8260

**MW66**

**GWACO97-03**

**ACO Groundwater Monitoring 3rd Quarter FY97**

**5278-97**

Collected: 4/4/1997

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		37.54	ft			
Dissolved Oxygen		5.48	mg/L			
pH		5.9	Std Unit			
Specific Conductivity (PIP)		386	umho/cm			
Temperature		60	deg F			
<b>RADS</b>						
Alpha activity		12.5	pCi/L	1.3		RL-7122
Beta activity		2212	pCi/L	35		RL-7122
Technetium-99		2605	pCi/L	47		RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.5	mg/L			SW846-8260
1,1-Dichloroethane	U	0.5	mg/L			SW846-8260
Bromodichloromethane	U	0.5	mg/L			SW846-8260
Toluene	U	0.5	mg/L			SW846-8260
Total Xylene	U	0.5	mg/L			SW846-8260
trans-1,2-Dichloroethene	U	0.5	mg/L			SW846-8260
Trichloroethene		11	mg/L			SW846-8260

**5321-97**

Collected: 5/12/1997

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		37.96	ft			
Dissolved Oxygen		6.96	mg/L			
pH		5.7	Std Unit			
Specific Conductivity (PIP)		381	umho/cm			
Temperature		59	deg F			
<b>RADS</b>						
Alpha activity		2.3	pCi/L	0.3		RL-7122
Beta activity		1835	pCi/L	31		RL-7122
Cesium-137	U	30.55	pCi/L			RL-7124
Technetium-99		2911	pCi/L	51		RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	1.25	mg/L			SW846-8260
1,1-Dichloroethane	U	1.25	mg/L			SW846-8260
Bromodichloromethane	U	1.25	mg/L			SW846-8260
Toluene	U	1.25	mg/L			SW846-8260
Total Xylene	U	1.25	mg/L			SW846-8260
Trichloroethene		13	mg/L			SW846-8260



**MW66**

**GWACO97-03**

**ACO Groundwater Monitoring 3rd Quarter FY97**

**5421-97**

Collected: 6/10/1997

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		39.64	ft			
Dissolved Oxygen		9.2	mg/L			
pH		5.8	Std Unit			
Specific Conductivity (PIP)		194	umho/cm			
Temperature		61	deg F			
<b>RADS</b>						
Alpha activity		1.7	pCi/L	0.4		RL-7122
Beta activity		174	pCi/L	9		RL-7122
Technetium-99		239	pCi/L	18		RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.05	mg/L			SW846-8260
1,1-Dichloroethane	U	0.05	mg/L			SW846-8260
Bromodichloromethane	U	0.05	mg/L			SW846-8260
cis-1,2-Dichloroethene	U	0.05	mg/L			SW846-8260
Ethylbenzene	U	0.05	mg/L			SW846-8260
Tetrachloroethene	U	0.05	mg/L			SW846-8260
Toluene	U	0.05	mg/L			SW846-8260
Total Xylene	U	0.05	mg/L			SW846-8260
trans-1,2-Dichloroethene	U	0.05	mg/L			SW846-8260
Trichloroethene		0.58	mg/L			SW846-8260

MW245

GWACO97-04

ACO Groundwater Monitoring 4th Quarter FY97

5522-97

Collected: 7/11/1997

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Alkalinity		107	mg/L CaC			IN7400
Chloride		10.3	mg/L			IN7120
Nitrate as Nitrogen	U	1	mg/L			IN7120
Tetraoxo-sulfate(1-)		13.3	mg/L			IN7120
Total Phosphate as Phosphorus	U	2	mg/L			IN7120
<b>Field P</b>						
Depth to Water		37.77	ft			
Dissolved Oxygen		2.07	mg/L			
pH		6.3	Std Unit			
Specific Conductivity (PIP)		298	umho/cm			
Temperature		62.9	deg F			
<b>METAL</b>						
Aluminum		4.64	mg/L			SW846-6010
Calcium	N	18.1	mg/L			SW846-6010
Iron		3.31	mg/L			SW846-6010
Magnesium	N	7.72	mg/L			SW846-6010
Manganese		0.916	mg/L			SW846-6010
Potassium	U	5	mg/L			SW846-6010
Silica		27	mg/L			IN7470
Sodium	N*	27.3	mg/L			SW846-6010
<b>METAL-D</b>						
Aluminum	U	0.75	mg/L			SW846-6010
Calcium	N	16.5	mg/L			SW846-6010
Iron	U	0.3	mg/L			SW846-6010
Magnesium	N	6.91	mg/L			SW846-6010
Manganese		0.767	mg/L			SW846-6010
Sodium	N	24.2	mg/L			SW846-6010
<b>PHYSC</b>						
Turbidity		39	NTU			IN7490
<b>RADS</b>						
Alpha activity		2.3	pCi/L	0.9		RL-7122
Beta activity		23	pCi/L	3		RL-7122
Radon-222		294.8	pCi/L	49.9		R-51
Technetium-99		33	pCi/L	12		RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1-Dichloroethane	U	0.005	mg/L			SW846-8260
1,2-Dichloroethane	U	0.005	mg/L			SW846-8260
Benzene	U	0.005	mg/L			SW846-8260
Bromodichloromethane	U	0.005	mg/L			SW846-8260
Carbon tetrachloride	U	0.005	mg/L			SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L			SW846-8260
Ethylbenzene	U	0.005	mg/L			SW846-8260
Tetrachloroethene	U	0.005	mg/L			SW846-8260
Toluene	U	0.005	mg/L			SW846-8260
Total Xylene	U	0.005	mg/L			SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L			SW846-8260
Trichloroethene	U	0.031	mg/L			SW846-8260

**MW245**

**GWACO97-04**

**ACO Groundwater Monitoring 4th Quarter FY97**

**5581-97**

Collected: 8/12/1997

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Alkalinity		105	mg/L CaC			IN7400
Chloride		10.4	mg/L			IN7120
Nitrate as Nitrogen	U	1	mg/L			IN7120
Tetraoxo-sulfate(1-)		12.8	mg/L			IN7120
Total Phosphate as Phosphorus	U	2	mg/L			IN7120
<b>Field P</b>						
Depth to Water		39.55	ft			
Dissolved Oxygen		2.03	mg/L			
pH		6.3	Std Unit			
Specific Conductivity (PIP)		324	umho/cm			
Temperature		67.1	deg F			
<b>METAL</b>						
Aluminum	U	1	mg/L			SW846-6010
Calcium	N	17.6	mg/L			SW846-6010
Iron		0.396	mg/L			SW846-6010
Magnesium		7.73	mg/L			SW846-6010
Manganese		0.926	mg/L			SW846-6010
Potassium	NU	5	mg/L			SW846-6010
Silica		26	mg/L			IN7470
Sodium	N	26.9	mg/L			SW846-6010
<b>METAL-D</b>						
Calcium	N	18.9	mg/L			SW846-6010
Iron	U	0.25	mg/L			SW846-6010
Magnesium	N	7.43	mg/L			SW846-6010
Manganese		0.937	mg/L			SW846-6010
Sodium	N	27.7	mg/L			SW846-6010
<b>PHYSC</b>						
Turbidity		36	NTU			IN7490
<b>RADS</b>						
Alpha activity		5.5	pCi/L	2.1		RL-7122
Beta activity		31	pCi/L	4		RL-7122
Radon-222		325	pCi/L	55		R-51
Technetium-99		20	pCi/L	12		RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1-Dichloroethane	U	0.005	mg/L			SW846-8260
1,2-Dichloroethane	U	0.005	mg/L			SW846-8260
Benzene	U	0.005	mg/L			SW846-8260
Bromodichloromethane	U	0.005	mg/L			SW846-8260
Carbon tetrachloride	U	0.005	mg/L			SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L			SW846-8260
Ethylbenzene	U	0.005	mg/L			SW846-8260
Tetrachloroethene	U	0.005	mg/L			SW846-8260
Toluene	U	0.005	mg/L			SW846-8260
Total Xylene	U	0.005	mg/L			SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L			SW846-8260
Trichloroethene	U	0.031	mg/L			SW846-8260

MW245

GWACO97-04

ACO Groundwater Monitoring 4th Quarter FY97

5666-97

Collected: 9/15/1997

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Alkalinity		109	mg/L CaC			IN7400
Chloride		10.5	mg/L			IN7120
Nitrate as Nitrogen	U	1	mg/L			IN7120
Tetraoxo-sulfate(1-)		13.4	mg/L			IN7120
Total Phosphate as Phosphorus		1.7	mg/L			IN7120
<b>Field P</b>						
Depth to Water		41.63	ft			
Dissolved Oxygen		1.8	mg/L			
pH		6.32	Std Unit			
Specific Conductivity (PIP)		337	umho/cm			
Temperature		66.4	deg F			
<b>METAL</b>						
Aluminum		1.27	mg/L			SW846-6010
Calcium	N	18.9	mg/L			SW846-6010
Iron		1.71	mg/L			SW846-6010
Magnesium	N	8.26	mg/L			SW846-6010
Manganese		0.971	mg/L			SW846-6010
Potassium	U	5	mg/L			SW846-6010
Silica		23	mg/L			IN7470
Sodium	N	28.3	mg/L			SW846-6010
<b>METAL-D</b>						
Aluminum	U	1	mg/L			SW846-6010
Calcium	N	17.3	mg/L			SW846-6010
Iron	U	0.25	mg/L			SW846-6010
Magnesium	N	7.55	mg/L			SW846-6010
Manganese		0.875	mg/L			SW846-6010
Sodium	N	23.9	mg/L			SW846-6010
<b>PHYSC</b>						
Turbidity		36	NTU			IN7490
<b>RADS</b>						
Alpha activity		-4.8	pCi/L	-2.2		RL-7122
Beta activity		34	pCi/L	4		RL-7122
Radon-222		319	pCi/L	59		R-51
Technetium-99		36	pCi/L	12		RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1-Dichloroethane	U	0.005	mg/L			SW846-8260
1,2-Dichloroethane	U	0.005	mg/L			SW846-8260
Benzene	U	0.005	mg/L			SW846-8260
Bromodichloromethane	U	0.005	mg/L			SW846-8260
Carbon tetrachloride	U	0.005	mg/L			SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L			SW846-8260
Ethylbenzene	U	0.005	mg/L			SW846-8260
Tetrachloroethene	U	0.005	mg/L			SW846-8260
Toluene	U	0.005	mg/L			SW846-8260
Total Xylene	U	0.005	mg/L			SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L			SW846-8260
Trichloroethene	U	0.031	mg/L			SW846-8260

**MW66**

**GWACO97-04**

**ACO Groundwater Monitoring 4th Quarter FY97**

**5528-97**

Collected: 7/16/1997

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		39.95	ft			
Dissolved Oxygen		16.9	mg/L			
pH		6	Std Unit			
Specific Conductivity (PIP)		192	umho/cm			
Temperature		65.7	deg F			
<b>RADS</b>						
Alpha activity		0.3	pCi/L	0.1		RL-7122
Beta activity		180	pCi/L	9		RL-7122
Technetium-99		262	pCi/L	20		RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.13	mg/L			SW846-8260
1,1-Dichloroethane	U	0.13	mg/L			SW846-8260
Bromodichloromethane	U	0.13	mg/L			SW846-8260
cis-1,2-Dichloroethene	U	0.13	mg/L			SW846-8260
Ethylbenzene	U	0.13	mg/L			SW846-8260
Toluene	U	0.13	mg/L			SW846-8260
Total Xylene	U	0.13	mg/L			SW846-8260
trans-1,2-Dichloroethene	U	0.13	mg/L			SW846-8260
Trichloroethene		0.41	mg/L			SW846-8260

**5568-97**

Collected: 8/14/1997

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		41.58	ft			
Dissolved Oxygen		12.13	mg/L			
pH		5.8	Std Unit			
Specific Conductivity (PIP)		176	umho/cm			
Temperature		64.3	deg F			
<b>RADS</b>						
Alpha activity		-0.9	pCi/L	-0.2		RL-7122
Beta activity		146	pCi/L	8		RL-7122
Technetium-99		224	pCi/L	18		RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.025	mg/L			SW846-8260
1,1-Dichloroethane	U	0.025	mg/L			SW846-8260
Benzene	U	0.025	mg/L			SW846-8260
Bromodichloromethane	U	0.025	mg/L			SW846-8260
cis-1,2-Dichloroethene	U	0.025	mg/L			SW846-8260
Ethylbenzene	U	0.025	mg/L			SW846-8260
Tetrachloroethene	U	0.025	mg/L			SW846-8260
Toluene	U	0.025	mg/L			SW846-8260
Total Xylene	U	0.025	mg/L			SW846-8260
trans-1,2-Dichloroethene	U	0.025	mg/L			SW846-8260
Trichloroethene		0.34	mg/L			SW846-8260

MW66

GWACO97-04

ACO Groundwater Monitoring 4th Quarter FY97

5653-97

Collected: 9/23/1997

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		43.98	ft			
Dissolved Oxygen		17.16	mg/L			
pH		6.04	Std Unit			
Specific Conductivity (PIP)		180	umho/cm			
Temperature		61.5	deg F			
<b>RADS</b>						
Alpha activity		0.7	pCi/L	0.2		RL-7122
Beta activity		140	pCi/L	8		RL-7122
Technetium-99		201	pCi/L	17		RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.025	mg/L			SW846-8260
1,1-Dichloroethane	U	0.025	mg/L			SW846-8260
Benzene	U	0.025	mg/L			SW846-8260
Bromodichloromethane	U	0.025	mg/L			SW846-8260
cis-1,2-Dichloroethene	U	0.025	mg/L			SW846-8260
Ethylbenzene	U	0.025	mg/L			SW846-8260
Tetrachloroethene	U	0.025	mg/L			SW846-8260
Toluene	U	0.025	mg/L			SW846-8260
Total Xylene	U	0.025	mg/L			SW846-8260
trans-1,2-Dichloroethene	U	0.025	mg/L			SW846-8260
Trichloroethene		0.28	mg/L			SW846-8260

MW66

GWACO98-01

ACO MW66 Monthly Monitoring GWACO98-01

5741-97

Collected: 10/30/1997

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Conductivity		182	umho/cm			
Depth to Water		45.79	ft			
Dissolved Oxygen		16.21	mg/L			
pH		6.05	Std Unit			
Temperature		61.7	deg F			
<b>RADS</b>						
Alpha activity		3.7	pCi/L	1		RL-7122
Beta activity		134	pCi/L	7		RL-7122
Technetium-99		216	pCi/L	17		RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.025	mg/L			SW846-8260
1,1-Dichloroethane	U	0.025	mg/L			SW846-8260
Benzene	U	0.025	mg/L			SW846-8260
Bromodichloromethane	U	0.025	mg/L			SW846-8260
cis-1,2-Dichloroethene	U	0.025	mg/L			SW846-8260
Ethylbenzene	U	0.025	mg/L			SW846-8260
Tetrachloroethene	U	0.025	mg/L			SW846-8260
Toluene	U	0.025	mg/L			SW846-8260
Total Xylene	U	0.025	mg/L			SW846-8260
trans-1,2-Dichloroethene	U	0.025	mg/L			SW846-8260
Trichloroethene		0.19	mg/L			SW846-8260

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MW66

GWACO98-02

ACO MW66 Monthly Monitoring GWACO98-02

5808-97

Collected: 11/18/1997

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Conductivity		201	umho/cm			
Depth to Water		46.62	ft			
Dissolved Oxygen		8.69	mg/L			
pH		5.77	Std Unit			
Temperature		58.9	deg F			
<b>PHYSC</b>						
Turbidity		16	NTU			IN7490
<b>RADS</b>						
Alpha activity		-0.1	pCi/L	0		RL-7122
Beta activity		138	pCi/L	7		RL-7122
Technetium-99		254	pCi/L	20		RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.05	mg/L			SW846-8260
1,1-Dichloroethane	U	0.05	mg/L			SW846-8260
Bromodichloromethane	U	0.05	mg/L			SW846-8260
cis-1,2-Dichloroethene	U	0.05	mg/L			SW846-8260
Ethylbenzene	U	0.05	mg/L			SW846-8260
Tetrachloroethene	U	0.05	mg/L			SW846-8260
Toluene	U	0.05	mg/L			SW846-8260
Total Xylene	U	0.05	mg/L			SW846-8260
trans-1,2-Dichloroethene	U	0.05	mg/L			SW846-8260
Trichloroethene		0.49	mg/L			SW846-8260



MW66

GWACO98-03

ACO MW66 Monthly Monitoring December 1997

5836-97

Collected: 12/29/1997

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		47.24	ft			
Dissolved Oxygen		7.61	mg/L			
pH		5.67	Std Unit			
Specific Conductivity (PIP)		178	umho/cm			
Temperature		55.8	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			IN7105
<b>PHYSC</b>						
Turbidity		7	NTU			IN7490
<b>RADS</b>						
Alpha activity	A	-3.1	pCi/L			RL-7122
Beta activity		139	pCi/L	8		RL-7122
Technetium-99		176	pCi/L	17		RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.05	mg/L			OA-7302
1,1-Dichloroethane	U	0.05	mg/L			OA-7302
Bromodichloromethane	U	0.05	mg/L			OA-7302
cis-1,2-Dichloroethene	U	0.05	mg/L			OA-7302
Ethylbenzene	U	0.05	mg/L			OA-7302
Tetrachloroethene	U	0.05	mg/L			OA-7302
Toluene	U	0.05	mg/L			OA-7302
Total Xylene	U	0.05	mg/L			OA-7302
trans-1,2-Dichloroethene	U	0.05	mg/L			OA-7302
Trichloroethene		0.2	mg/L			OA-7302

**MW66**

**GWACO98-04**

**ACO MW66 Monthly Monitoring January 1998**

**5018-98**

Collected: 1/22/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		48.1	ft			
Dissolved Oxygen		8.12	mg/L			
pH		5.86	Std Unit			
Specific Conductivity (PIP)		185	umho/cm			
Temperature		55.7	deg F			
<b>PHYSC</b>						
Turbidity		2.2	NTU			IN7490
<b>RADS</b>						
Alpha activity		5.2	pCi/L	1.4		RL-7122
Beta activity		159	pCi/L	9		RL-7122
Technetium-99		194	pCi/L	17		RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.05	mg/L			SW846-8260
1,1-Dichloroethane	U	0.05	mg/L			SW846-8260
Bromodichloromethane	U	0.05	mg/L			SW846-8260
cis-1,2-Dichloroethene	U	0.05	mg/L			SW846-8260
Ethylbenzene	U	0.05	mg/L			SW846-8260
Tetrachloroethene	U	0.05	mg/L			SW846-8260
Toluene	U	0.05	mg/L			SW846-8260
trans-1,2-Dichloroethene	U	0.05	mg/L			SW846-8260
Trichloroethene		0.24	mg/L			SW846-8260

**MW66**

**GWACO98-05**

**ACO MW66 Monthly Monitoring February 1998**

**5095-98**

Collected: 2/4/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		48.04	ft			
Dissolved Oxygen		7.82	mg/L			
pH		5.91	Std Unit			
Specific Conductivity (PIP)		192	umho/cm			
Temperature		57.9	deg F			
<b>PHYSC</b>						
Turbidity		2.6	NTU			IN7490
<b>RADS</b>						
Alpha activity	A	-2.7	pCi/L			RL-7122
Beta activity		179	pCi/L	9		RL-7122
Technetium-99		226	pCi/L	19		RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.05	mg/L			SW846-8260
1,1-Dichloroethane	U	0.05	mg/L			SW846-8260
Bromodichloromethane	U	0.05	mg/L			SW846-8260
cis-1,2-Dichloroethene	U	0.05	mg/L			SW846-8260
Ethylbenzene	U	0.05	mg/L			SW846-8260
Tetrachloroethene	U	0.05	mg/L			SW846-8260
Toluene	U	0.05	mg/L			SW846-8260
Total Xylene	U	0.05	mg/L			SW846-8260
trans-1,2-Dichloroethene	U	0.05	mg/L			SW846-8260
Trichloroethene		0.3	mg/L			SW846-8260

**MW66**

**GWACO98-06**

**ACO MW66 Monthly Monitoring March 1998**

**5206-98**

Collected: 3/4/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		47.7	ft			
Dissolved Oxygen		7.09	mg/L			
pH		5.59	Std Unit			
Specific Conductivity (PIP)		208	umho/cm			
Temperature		61.3	deg F			
<b>PHYSC</b>						
Turbidity		1.5	NTU			IN7490
<b>RADS</b>						
Alpha activity	A	-2.9	pCi/L			RL-7122
Beta activity		250	pCi/L	11		RL-7122
Technetium-99		426	pCi/L	22		RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.05	mg/L			SW846-8260
1,1-Dichloroethane	U	0.05	mg/L			SW846-8260
1,2-Dichloroethane	U	0.01	mg/L			SW846-8260
Bromodichloromethane	U	0.05	mg/L			SW846-8260
cis-1,2-Dichloroethene	U	0.05	mg/L			SW846-8260
Ethylbenzene	U	0.05	mg/L			SW846-8260
Tetrachloroethene	U	0.05	mg/L			SW846-8260
Toluene	U	0.05	mg/L			SW846-8260
Total Xylene	U	0.05	mg/L			SW846-8260
trans-1,2-Dichloroethene	U	0.05	mg/L			SW846-8260
Trichloroethene		0.63	mg/L			SW846-8260

**MW66**

**GWACO98-07**

**ACO NW MW66 Monthly Monitoring April 1998**

**5265-98**

Collected: 4/9/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Conductivity		219	umho/cm			
Depth to Water		46.61	ft			
Dissolved Oxygen		5.07	mg/L			
pH		6	Std Unit			
Temperature		58.4	deg F			
<b>PHYSC</b>						
Turbidity	J	2.2	NTU			IN7490
<b>RADS</b>						
Alpha activity		8.8	pCi/L	1.3		RL-7122
Beta activity		490	pCi/L	15		RL-7122
Technetium-99		658.3	pCi/L	25.5		RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.1	mg/L			SW846-8260
1,1-Dichloroethane	U	0.1	mg/L			SW846-8260
Bromodichloromethane	U	0.1	mg/L			SW846-8260
cis-1,2-Dichloroethene	U	0.1	mg/L			SW846-8260
Ethylbenzene	U	0.1	mg/L			SW846-8260
Toluene	U	0.1	mg/L			SW846-8260
Total Xylene	U	0.1	mg/L			SW846-8260
trans-1,2-Dichloroethene	U	0.1	mg/L			SW846-8260
Trichloroethene		1.2	mg/L			SW846-8260

MW66

GWACO98-08

ACO NW MW66 Monthly Monitoring May 1998

5304-98

Collected: 5/12/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Conductivity		374	umho/cm			
Depth to Water		44.72	ft			
Dissolved Oxygen		4.17	mg/L			
pH		5.8	Std Unit			
Temperature		68.9	deg F			
<b>PHYSC</b>						
Turbidity		0.97	NTU		0.5	EPA-180.1 1978
<b>RADS</b>						
Alpha activity		9.7	pCi/L	0.8		EPA-900.0
Beta activity		1798	pCi/L	31		EPA-900.0
Technetium-99		2883.3	pCi/L	51.9		RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	1	mg/L		1	SW846-8260
1,1-Dichloroethane	U	1	mg/L		1	SW846-8260
Bromodichloromethane	U	1	mg/L		1	SW846-8260
Toluene	U	1	mg/L		1	SW846-8260
Total Xylene	U	1	mg/L		1	SW846-8260
Trichloroethene		12	mg/L		0.2	SW846-8260

MW66

GWACO98-09

ACO NW MW66 Monthly Monitoring June 1998

5385-98

Collected: 6/18/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Conductivity		323	mg/L			
Depth to Water		43.63	ft			
Dissolved Oxygen		5.57	umho/cm			
pH		6	Std Unit			
Temperature		74.2	deg F			
<b>PHYSC</b>						
Turbidity		0.62	NTU		0.5	EPA-180.1 1978
<b>RADS</b>						
Alpha activity	A	-7.5	pCi/L			EPA-900.0
Beta activity		1454	pCi/L	26		EPA-900.0
Technetium-99		1701.2	pCi/L	39.8		RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.5	mg/L		0.5	SW846-8260
1,1-Dichloroethane	U	0.5	mg/L		0.5	SW846-8260
Bromodichloromethane	U	0.5	mg/L		0.5	SW846-8260
Toluene	U	0.5	mg/L		0.5	SW846-8260
Total Xylene	U	0.5	mg/L		0.5	SW846-8260
trans-1,2-Dichloroethene	U	0.5	mg/L		0.5	SW846-8260
Trichloroethene		7.2	mg/L		0.1	SW846-8260

**MW66**  
**GWACO98-10**  
**5450-98**

**ACO NW MW66 Monthly Monitoring July 1998**

Collected: 7/8/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>Field P</b>						
Conductivity		274	umho/cm			
Depth to Water		43.28	ft			
Dissolved Oxygen		4.68	mg/L			
pH		5.8	Std Unit			
Temperature		67	deg F			
<b>PHYSC</b>						
Turbidity		0.7	NTU		0.5	EPA-180.1 1978
<b>RADS</b>						
Alpha activity	A	-0.6	pCi/L			EPA-900.0
Beta activity		1142	pCi/L	23		EPA-900.0
Technetium-99		1369	pCi/L	36		RL-7100
<b>VOA</b>						
1,1-Dichloroethane	U	1	mg/L		1	SW846-8260
Bromodichloromethane	U	1	mg/L		1	SW846-8260
Toluene	U	1	mg/L		1	SW846-8260
Total Xylene	U	1	mg/L		1	SW846-8260
Trichloroethene		4.6	mg/L		0.2	SW846-8260



**MW66**

**GWACO98-11**

**ACO NW MW66 Monthly Monitoring August 1998**

**5491-98**

Collected: 8/10/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Conductivity		214	umho/cm			
Depth to Water		43.07	ft			
Dissolved Oxygen		6.87	mg/L			
pH		5.82	Std Unit			
Temperature		68.7	deg F			
<b>PHYSC</b>						
Turbidity		0.5	NTU		0.5	EPA-180.1 1978
<b>RADS</b>						
Alpha activity	A	6.3	pCi/L	1.3		EPA-900.0
Beta activity		343	pCi/L	13		EPA-900.0
Technetium-99		582.8	pCi/L	25.1		RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.05	mg/L		0.05	SW846-8260
1,1-Dichloroethane	U	0.05	mg/L		0.05	SW846-8260
Bromodichloromethane	U	0.05	mg/L		0.05	SW846-8260
cis-1,2-Dichloroethene	U	0.05	mg/L		0.05	SW846-8260
Ethylbenzene	U	0.05	mg/L		0.05	SW846-8260
Tetrachloroethene	U	0.05	mg/L		0.05	SW846-8260
Toluene	U	0.05	mg/L		0.05	SW846-8260
Total Xylene	U	0.05	mg/L		0.05	SW846-8260
trans-1,2-Dichloroethene	U	0.05	mg/L		0.05	SW846-8260
Trichloroethene		1.4	mg/L		0.01	SW846-8260

**MW66**

**GWACO98-12**

**ACO NW MW66 Monthly Monitoring September 1998**

**5540-98**

Collected: 9/29/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		30.62	Inches/Hg			
Conductivity		186	umho/cm			
Depth to Water		44.4	ft			
Dissolved Oxygen		8.33	mg/L			
pH		5.82	Std Unit			
Temperature		64.7	deg F			
<b>PHYSC</b>						
Turbidity		0.91	NTU		0.5	EPA-180.1 1978
<b>RADS</b>						
Alpha activity	A	3	pCi/L	0.95		EPA-900.0
Beta activity		161.9	pCi/L	8.84		EPA-900.0
Technetium-99	X	221.2	pCi/L	18.1		RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.1	mg/L		0.1	SW846-8260
1,1-Dichloroethane	U	0.1	mg/L		0.1	SW846-8260
Bromodichloromethane	U	0.1	mg/L		0.1	SW846-8260
cis-1,2-Dichloroethene	U	0.1	mg/L		0.1	SW846-8260
Ethylbenzene	U	0.1	mg/L		0.1	SW846-8260
Toluene	U	0.1	mg/L		0.1	SW846-8260
Total Xylene	U	0.1	mg/L		0.1	SW846-8260
trans-1,2-Dichloroethene	U	0.1	mg/L		0.1	SW846-8260
Trichloroethene	J	0.42	mg/L		0.02	SW846-8260

**MW245**  
**GWACO98-19**  
**5758-97**

**ACO NW Annual/Monthly South Monitoring**

Collected: 10/23/1997

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Alkalinity		98	mg/L CaC			IN7400
Chloride		9.8	mg/L			IN7120
Fluoride		0.23	mg/L			SA-F-7
Nitrate as Nitrogen	U	1	mg/L			IN7120
Tetraoxo-sulfate(1-)		12	mg/L			IN7120
Total Organic Carbon (TOC)	U	1	mg/L			ST7480
Total Phosphate as Phosphorus	U	2	mg/L			IN7120
<b>Field P</b>						
Conductivity		305	umho/cm			
Depth to Water		43.44	ft			
Dissolved Oxygen		2.38	mg/L			
pH		6.3	Std Unit			
Temperature		59.6	deg F			
<b>METAL</b>						
Aluminum		2.01	mg/L			SW846-6010
Barium		0.16	mg/L			SW846-6010
Beryllium	U	0.02	mg/L			SW846-6010
Calcium	N	18.1	mg/L			SW846-6010
Chromium	U	0.06	mg/L			SW846-6010
Cobalt	U	0.05	mg/L			SW846-6010
Copper	U	0.1	mg/L			SW846-6010
Iron	N	2.07	mg/L			SW846-6010
Magnesium	N	7.47	mg/L			SW846-6010
Manganese		0.75	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Molybdenum	U	0.05	mg/L			SW846-6010
Nickel	U	0.1	mg/L			SW846-6010
Potassium	U	5	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silica		27	mg/L			IN7470
Silver	NJU	0.05	mg/L			SW846-6010
Sodium	N	24.9	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Zinc	BU	0.1	mg/L			SW846-6010
<b>METAL-D</b>						
Aluminum	U	1	mg/L			SW846-6010
Barium		0.14	mg/L			SW846-6010
Calcium	N	17	mg/L			SW846-6010
Iron	U	0.25	mg/L			SW846-6010
Magnesium	N	7.21	mg/L			SW846-6010
Manganese		0.69	mg/L			SW846-6010
Sodium	N	21.4	mg/L			SW846-6010
<b>PHYSC</b>						
Dissolved Solids		169	mg/L			IN7475
Turbidity		40	NTU			IN7490
<b>RADS</b>						
Alpha activity	X	0.4	pCi/L	0.2		RL-7122
Beta activity	X	26	pCi/L	3		RL-7122
Neptunium-237		0.2	pCi/L	0.1		RL-7103

**MW245**

**GWACO98-19**

**ACO NW Annual/Monthly South Monitoring**

Plutonium-238	-0.14	pCi/L	0.14	RL-7120
Radium-226	0.52	pCi/L	0.13	RL-7113
Radon-222	373.6	pCi/L	56.3	R-51
Technetium-99	32	pCi/L	13	RL-7100
Thorium-230	0.08	pCi/L	0.44	RL-7120

**VOA**

1,1,1-Trichloroethane	U	0.005	mg/L	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	SW846-8260
Benzene	U	0.005	mg/L	SW846-8260
Bromodichloromethane	U	0.005	mg/L	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
Ethylbenzene	U	0.005	mg/L	SW846-8260
Tetrachloroethene	U	0.005	mg/L	SW846-8260
Toluene	U	0.005	mg/L	SW846-8260
Total Xylene	U	0.005	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
Trichloroethene		0.034	mg/L	SW846-8260

**MW245**

**GWACO98-20**

**ACO NW Quarterly Monitoring GWACO98-20**

5199-98

Collected: 3/30/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Phosphate as Phosphorus	U	2	mg/L			IN7120
<b>Field P</b>						
Conductivity		308	umho/cm			
Depth to Water		44.63	ft			
Dissolved Oxygen		1.4	mg/L			
pH		6.23	Std Unit			
Temperature		62.8	deg F			
<b>METAL</b>						
Aluminum		1.07	mg/L			SW846-6010
Calcium	N	19.9	mg/L			SW846-6010
Iron		1.19	mg/L			SW846-6010
Magnesium		8.13	mg/L			SW846-6010
Manganese		0.941	mg/L			SW846-6010
Potassium	U	5	mg/L			SW846-6010
Silica		26	mg/L			IN7470
Sodium	N	24.7	mg/L			SW846-6010
<b>METAL-D</b>						
Aluminum	U	1	mg/L			SW846-6010
Calcium	N	18.4	mg/L			SW846-6010
Iron	U	0.2	mg/L			SW846-6010
Magnesium		7.5	mg/L			SW846-6010
Manganese		0.849	mg/L			SW846-6010
Sodium	N	22.4	mg/L			SW846-6010
<b>PHYSC</b>						
Turbidity		17	NTU			IN7490
<b>RADS</b>						
Alpha activity		5.4	pCi/L	1.7		RL-7122
Beta activity		18	pCi/L	2		RL-7122
Technetium-99	A	15.8	pCi/L	13.3		RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1-Dichloroethane	U	0.005	mg/L			SW846-8260
1,2-Dichloroethane	U	0.005	mg/L			SW846-8260
Benzene	U	0.005	mg/L			SW846-8260
Bromodichloromethane	U	0.005	mg/L			SW846-8260
Carbon tetrachloride	U	0.005	mg/L			SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L			SW846-8260
Ethylbenzene	U	0.005	mg/L			SW846-8260
Tetrachloroethene	U	0.005	mg/L			SW846-8260
Toluene	U	0.005	mg/L			SW846-8260
Total Xylene	U	0.005	mg/L			SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L			SW846-8260
Trichloroethene	U	0.049	mg/L			SW846-8260

**MW245**

**GWACO98-21**

**ACO NW Quarterly Monitoring GWACO98-21**

5379-98

Collected: 6/10/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Phosphate as Phosphorus	U	2	mg/L		200	SW846-9056
<b>Field P</b>						
Conductivity		327	umho/cm			
Depth to Water		41.15	ft			
Dissolved Oxygen		1.2	mg/L			
pH		6.4	Std Unit			
Temperature		68.5	deg F			
<b>METAL</b>						
Aluminum		2.26	mg/L			SW846-6010
Calcium		19.1	mg/L			SW846-6010
Iron		2.29	mg/L			SW846-6010
Magnesium		7.86	mg/L			SW846-6010
Manganese		0.954	mg/L			SW846-6010
Potassium	U	5	mg/L			SW846-6010
Silica		27	mg/L		1	EPA-370.1
Sodium	B	24.8	mg/L			SW846-6010
<b>METAL-D</b>						
Aluminum	U	1	mg/L			SW846-6010
Calcium		19.1	mg/L			SW846-6010
Iron	U	0.2	mg/L			SW846-6010
Magnesium		7.8	mg/L			SW846-6010
Manganese		0.929	mg/L			SW846-6010
Sodium	B	26.1	mg/L			SW846-6010
<b>PHYSC</b>						
Turbidity	X	33	NTU		0.5	EPA-180.1 1978
<b>RADS</b>						
Alpha activity	A	-2.4	pCi/L	1		EPA-900.0
Beta activity		33	pCi/L	3		EPA-900.0
Technetium-99		36.8	pCi/L	13.5		RL-7100
<b>SVOA</b>						
1,3-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.005	mg/L		0.005	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene	U	0.061	mg/L		0.001	SW846-8260

MW245

GWACO98-22

ACO NW Quarterly Monitoring GWACO98-22

5567-98

Collected: 9/11/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Phosphate as Phosphorus	U	2	mg/L		2	SW846-9056
<b>Field P</b>						
Conductivity		291	umho/cm			
Depth to Water		41.8	ft			
Dissolved Oxygen		1.05	mg/L			
pH		6.3	Std Unit			
Temperature		63.3	deg F			
<b>METAL</b>						
Aluminum	N	2.58	mg/L			SW846-6010
Calcium		19.4	mg/L			SW846-6010
Iron	N	2.44	mg/L			SW846-6010
Magnesium		7.95	mg/L			SW846-6010
Manganese		0.818	mg/L			SW846-6010
Potassium	U	5	mg/L			SW846-6010
Silica		25	mg/L		1	EPA-370.1
Sodium		23.7	mg/L			SW846-6010
<b>METAL-D</b>						
Aluminum	U	1	mg/L			SW846-6010
Calcium	N	20.2	mg/L			SW846-6010
Iron	*NU	0.2	mg/L			SW846-6010
Magnesium		7.8	mg/L			SW846-6010
Manganese		0.771	mg/L			SW846-6010
Sodium		24.1	mg/L			SW846-6010
<b>PHYSC</b>						
Turbidity		38	NTU		0.5	EPA-180.1 1978
<b>RADS</b>						
Alpha activity	A	0	pCi/L	0		EPA-900.0
Beta activity		32	pCi/L	4		EPA-900.0
Technetium-99		29.7	pCi/L	13.1		RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.005	mg/L		0.005	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene	U	0.066	mg/L		0.001	SW846-8260

MW245

GWACO98-22

ACO NW Quarterly Monitoring GWACO98-22

5568-98

Collected: 9/11/1998

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Phosphate as Phosphorus	U	2	mg/L		2	SW846-9056
<b>Field P</b>						
Conductivity		291	umho/cm			
Depth to Water		41.8	ft			
Dissolved Oxygen		1.05	mg/L			
pH		6.3	Std Unit			
Temperature		63.3	deg F			
<b>METAL</b>						
Aluminum	N	2.37	mg/L			SW846-6010
Calcium		19.7	mg/L			SW846-6010
Iron	N	2.36	mg/L			SW846-6010
Magnesium		8.03	mg/L			SW846-6010
Manganese		0.811	mg/L			SW846-6010
Potassium	U	5	mg/L			SW846-6010
Silica		25	mg/L		1	EPA-370.1
Sodium		23.9	mg/L			SW846-6010
<b>METAL-D</b>						
Aluminum	U	1	mg/L			SW846-6010
Calcium	N	19.1	mg/L			SW846-6010
Iron	*NU	0.2	mg/L			SW846-6010
Magnesium		7.76	mg/L			SW846-6010
Manganese		0.798	mg/L			SW846-6010
Sodium		23.7	mg/L			SW846-6010
<b>PHYSC</b>						
Turbidity		38	NTU		0.5	EPA-180.1 1978
<b>RADS</b>						
Alpha activity	A	2.1	pCi/L	0.8		EPA-900.0
Beta activity		26	pCi/L	3		EPA-900.0
Technetium-99		43.7	pCi/L	14.1		RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.005	mg/L		0.005	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene	U	0.069	mg/L		0.001	SW846-8260



MW66

GWACO99-01

ACO NW MW66 Monthly Monitoring October 1998

5627-98

Collected: 10/20/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		30.21	Inches/Hg			
Conductivity		142.2	umho/cm			
Depth to Water		45.48	ft			
Dissolved Oxygen		8.77	mg/L			
pH		5.7	Std Unit			
Temperature		63.6	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			IN7105
<b>PHYSC</b>						
Turbidity		1.3	NTU		0.5	EPA-180.1 1978
<b>RADS</b>						
Alpha activity	A	3.27	pCi/L	0.86		EPA-900.0
Beta activity		142.4	pCi/L	8.12		EPA-900.0
Technetium-99		200.6	pCi/L	17.6		RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.1	mg/L		0.1	SW846-8260
1,1-Dichloroethane	U	0.1	mg/L		0.1	SW846-8260
Bromodichloromethane	U	0.1	mg/L		0.1	SW846-8260
cis-1,2-Dichloroethene	U	0.1	mg/L		0.1	SW846-8260
Ethylbenzene	U	0.1	mg/L		0.1	SW846-8260
Toluene	U	0.1	mg/L		0.1	SW846-8260
Total Xylene	U	0.1	mg/L		0.1	SW846-8260
trans-1,2-Dichloroethene	U	0.1	mg/L		0.1	SW846-8260
Trichloroethene		0.33	mg/L		0.02	SW846-8260

**MW66**

**GWACO99-02**

**ACO NW MW66 Monthly Monitoring November 1998**

**5703-98**

Collected: 11/12/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		30.39	Inches/Hg			
Conductivity		146	umho/cm			
Depth to Water		46.3	ft			
Dissolved Oxygen		6.7	mg/L			
pH		5.9	Std Unit			
Temperature		59.5	deg F			
<b>PHYSC</b>						
Turbidity		0.55	NTU		0.5	EPA-180.1 1978
<b>RADS</b>						
Alpha activity	A	0	pCi/L	0	1.34	EPA-900.0
Beta activity		133.96	pCi/L	3.75	2.02	EPA-900.0
Technetium-99		283.6	pCi/L	21.9	21.02	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.1	mg/L		0.1	SW846-8260
1,1-Dichloroethane	U	0.1	mg/L		0.1	SW846-8260
Bromodichloromethane	U	0.1	mg/L		0.1	SW846-8260
Bromoform	JU	0.1	mg/L		0.1	SW846-8260
cis-1,2-Dichloroethene	U	0.1	mg/L		0.1	SW846-8260
Ethylbenzene	U	0.1	mg/L		0.1	SW846-8260
Toluene	U	0.1	mg/L		0.1	SW846-8260
Total Xylene	U	0.2	mg/L		0.2	SW846-8260
trans-1,2-Dichloroethene	U	0.1	mg/L		0.1	SW846-8260
Trichloroethene		0.3	mg/L		0.02	SW846-8260

**MW66**

**GWACO99-03**

**ACO NW MW66 Monthly Monitoring December 1998**

**5727-98**

Collected: 12/9/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		30.27	Inches/Hg			
Conductivity		190	umho/cm			
Depth to Water		47.2	ft			
Dissolved Oxygen		8.19	mg/L			
pH		5.77	Std Unit			
Temperature		60.6	deg F			
<b>RADS</b>						
Alpha activity	A	-0.33	pCi/L	0.1	3.05	EPA-900.0
Beta activity		133.62	pCi/L	7.84	4.72	EPA-900.0
Technetium-99		233.2	pCi/L	18.8	18.59	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.1	mg/L		0.1	SW846-8260
1,1-Dichloroethane	U	0.1	mg/L		0.1	SW846-8260
Bromodichloromethane	U	0.1	mg/L		0.1	SW846-8260
cis-1,2-Dichloroethene	U	0.1	mg/L		0.1	SW846-8260
Ethylbenzene	U	0.1	mg/L		0.1	SW846-8260
Toluene	U	0.1	mg/L		0.1	SW846-8260
Total Xylene	U	0.2	mg/L		0.2	SW846-8260
trans-1,2-Dichloroethene	U	0.1	mg/L		0.1	SW846-8260
Trichloroethene	Y	0.29	mg/L		0.02	SW846-8260
<b>WETCHEM</b>						
Turbidity		0.8	NTU		0.5	EPA-180.1 1978

MW66

GWACO99-04

ACO NW MW66 Monthly Monitoring January 1999

5048-99

Collected: 1/25/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		30.12	Inches/Hg			
Conductivity		200	umho/cm			
Depth to Water		46.89	ft			
Dissolved Oxygen		7.37	mg/L			
pH		6.07	Std Unit			
Temperature		60.8	deg F			
<b>RADS</b>						
Alpha activity	A	-1.58	pCi/L	0.46	3.33	EPA-900.0
Beta activity	X	293.95	pCi/L	12.52	5.41	EPA-900.0
Technetium-99		291.2	pCi/L	20	18.24	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.1	mg/L		0.1	SW846-8260
1,1-Dichloroethane	U	0.1	mg/L		0.1	SW846-8260
Bromodichloromethane	U	0.1	mg/L		0.1	SW846-8260
Bromoform	U	0.1	mg/L		0.1	SW846-8260
cis-1,2-Dichloroethene	U	0.1	mg/L		0.1	SW846-8260
Ethylbenzene	U	0.1	mg/L		0.1	SW846-8260
Toluene	U	0.1	mg/L		0.1	SW846-8260
Total Xylene	U	0.2	mg/L		0.2	SW846-8260
trans-1,2-Dichloroethene	U	0.1	mg/L		0.1	SW846-8260
Trichloroethene		0.41	mg/L		0.02	SW846-8260
<b>WETCHEM</b>						
Turbidity		1.7	NTU		0.5	EPA-180.1 1978

**MW66**

**GWACO99-05**

**ACO MW66 MONTHLY GWACO99-05**

**5056-99**

Collected: 2/9/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.8	Inches/Hg			
Conductivity		301	umho/cm			
Depth to Water		45.25	ft			
Dissolved Oxygen		6.16	mg/L			
pH		5.93	Std Unit			
Temperature		59.2	deg F			
<b>RADS</b>						
Alpha activity	A	-14.23	pCi/L	2.05	4.32	EPA-900.0
Beta activity		1436.98	pCi/L	29.46	5.83	EPA-900.0
Technetium-99		1897.1	pCi/L	40.6	16.48	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	1.25	mg/L		1.25	SW846-8260
1,1-Dichloroethane	U	1.25	mg/L		1.25	SW846-8260
Bromodichloromethane	U	1.25	mg/L		1.25	SW846-8260
Bromoform	U	1.25	mg/L		1.25	SW846-8260
Toluene	U	1.25	mg/L		1.25	SW846-8260
Total Xylene	U	2.5	mg/L		2.5	SW846-8260
Trichloroethene		7.7	mg/L		0.25	SW846-8260
<b>WETCHEM</b>						
Turbidity		1	NTU		0.5	EPA-180.1 1978

**MW66**

**GWACO99-06**

**ACO MW66 MONTHLY GWACO99-06**

**5136-99**

Collected: 3/1/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.97	Inches/Hg			
Conductivity		371	umho/cm			
Depth to Water		43.95	ft			
Dissolved Oxygen		4.85	mg/L			
pH		5.84	Std Unit			
Temperature		58.9	deg F			
<b>RADS</b>						
Alpha activity	AD	-31.55	pCi/L	3.88	3.16	EPA-900.0
Beta activity		1933.3	pCi/L	35.38	5.69	EPA-900.0
Technetium-99		2662.6	pCi/L	50.86	17.51	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	2	mg/L		2	SW846-8260
1,1-Dichloroethane	U	2	mg/L		2	SW846-8260
Bromodichloromethane	U	2	mg/L		2	SW846-8260
Bromoform	U	2	mg/L		2	SW846-8260
m,p-Xylene	U	4	mg/L		4	SW846-8260
Toluene	U	2	mg/L		2	SW846-8260
Total Xylene	U	4	mg/L		4	SW846-8260
Trichloroethene		11	mg/L		0.4	SW846-8260
<b>WETCHEM</b>						
Turbidity		0.53	NTU		0.5	EPA-180.1 1978

**MW66**

**GWACO99-07**

**ACO MW66 MONTHLY GWACO99-07**

**5182-99**

Collected: 4/26/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.85	Inches/Hg			
Conductivity		327	umho/cm			
Depth to Water		41.62	ft			
Dissolved Oxygen		4.77	mg/L			
pH		6.06	Std Unit			
Temperature		62.2	deg F			
<b>RADS</b>						
Alpha activity	A	-21.54	pCi/L	3.38	4.87	EPA-900.0
Beta activity		1495.95	pCi/L	29.32	5.69	EPA-900.0
Technetium-99		1750	pCi/L	40.8	18.5	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	1	mg/L		1	SW846-8260
1,1-Dichloroethane	U	1	mg/L		1	SW846-8260
Bromodichloromethane	U	1	mg/L		1	SW846-8260
Bromoform	U	1	mg/L		1	SW846-8260
Toluene	U	1	mg/L		1	SW846-8260
Total Xylene	U	2	mg/L		2	SW846-8260
Trichloroethene		7.8	mg/L		0.2	SW846-8260
<b>WETCHEM</b>						
Turbidity		5	NTU		0.5	EPA-180.1 1978

**MW66**

**GWACO99-08**

**ACO MW66 MONTHLY GWACO99-08**

**5222-99**

Collected: 5/17/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.97	Inches/Hg			
Conductivity		247	umho/cm			
Depth to Water		41.72	ft			
Dissolved Oxygen		6.39	mg/L			
pH		6.08	Std Unit			
Temperature		66	deg F			
<b>RADS</b>						
Alpha activity	A	0.66	pCi/L	0.14	4.12	EPA-900.0
Beta activity		569.06	pCi/L	17.87	5.97	EPA-900.0
Technetium-99		859	pCi/L	29.8	18.3	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.5	mg/L		0.5	SW846-8260
1,1-Dichloroethane	U	0.5	mg/L		0.5	SW846-8260
Bromodichloromethane	U	0.5	mg/L		0.5	SW846-8260
Bromoform	U	0.5	mg/L		0.5	SW846-8260
Toluene	U	0.5	mg/L		0.5	SW846-8260
Total Xylene	U	1	mg/L		1	SW846-8260
trans-1,2-Dichloroethene	U	0.5	mg/L		0.5	SW846-8260
Trichloroethene		2.9	mg/L		0.1	SW846-8260
<b>WETCHEM</b>						
Turbidity		2.7	NTU		0.5	EPA-180.1 1978



**MW66**

**GWACO99-09**

**ACO MW66 MONTHLY GWACO99-09**

**5275-99**

Collected: 6/3/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.97	Inches/Hg			
Conductivity		217	umho/cm			
Depth to Water		42.1	ft			
Dissolved Oxygen		8.14	mg/L			
pH		6.1	Std Unit			
Temperature		65.9	deg F			
<b>RADS</b>						
Alpha activity	A	1.49	pCi/L	0.4	2.02	EPA-900.0
Beta activity		298.31	pCi/L	12.29	5	EPA-900.0
Technetium-99		357	pCi/L	21.3	17.9	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.25	mg/L		0.25	SW846-8260
1,1-Dichloroethane	U	0.25	mg/L		0.25	SW846-8260
Bromodichloromethane	U	0.25	mg/L		0.25	SW846-8260
Bromoform	U	0.25	mg/L		0.25	SW846-8260
cis-1,2-Dichloroethene	U	0.25	mg/L		0.25	SW846-8260
Ethylbenzene	U	0.25	mg/L		0.25	SW846-8260
Toluene	U	0.25	mg/L		0.25	SW846-8260
Total Xylene	U	0.75	mg/L		0.75	SW846-8260
trans-1,2-Dichloroethene	U	0.25	mg/L		0.25	SW846-8260
Trichloroethene		0.56	mg/L		0.05	SW846-8260
<b>WETCHEM</b>						
Turbidity		1.6	NTU		0.5	EPA-180.1 1978

**MW66**

**GWACO99-10**

**ACO MW66 MONTHLY GWACO99-10**

5328-99

Collected: 7/15/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		30	Inches/Hg			
Conductivity		194	umho/cm			
Depth to Water		42.7	ft			
Dissolved Oxygen		7.11	mg/L			
pH		6.15	Std Unit			
Temperature		64.7	deg F			
<b>RADS</b>						
Alpha activity	A	3.41	pCi/L	0.84	4.32	EPA-900.0
Beta activity		215.44	pCi/L	10.49	5.95	EPA-900.0
Technetium-99		297	pCi/L	20.5	18.7	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.1	mg/L		0.1	SW846-8260
1,1-Dichloroethane	U	0.1	mg/L		0.1	SW846-8260
Bromodichloromethane	U	0.1	mg/L		0.1	SW846-8260
Bromoform	U	0.1	mg/L		0.1	SW846-8260
cis-1,2-Dichloroethene	U	0.1	mg/L		0.1	SW846-8260
Ethylbenzene	U	0.1	mg/L		0.1	SW846-8260
Toluene	U	0.1	mg/L		0.1	SW846-8260
Total Xylene	U	0.3	mg/L		0.3	SW846-8260
trans-1,2-Dichloroethene	U	0.1	mg/L		0.1	SW846-8260
Trichloroethene		0.54	mg/L		0.02	SW846-8260
<b>WETCHEM</b>						
Turbidity		1.2	NTU		0.5	EPA-180.1 1978

**MW66**  
**GWACO99-11**  
**5387-99**

**ACO MW66 MONTHLY GWACO99-11**

Collected: 8/12/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.91	Inches/Hg			
Conductivity		186	umho/cm			
Depth to Water		43.37	ft			
Dissolved Oxygen		7.6	mg/L			
pH		5.9	Std Unit			
Temperature		65.4	deg F			
<b>RADS</b>						
Alpha activity	A	1.47	pCi/L	0.43	4.57	EPA-900.0
Beta activity		158.94	pCi/L	9	5.26	EPA-900.0
Technetium-99		224	pCi/L	18.9	18.7	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.1	mg/L		0.1	SW846-8260
1,1-Dichloroethane	U	0.1	mg/L		0.1	SW846-8260
Bromodichloromethane	U	0.1	mg/L		0.1	SW846-8260
Bromoform	U	0.1	mg/L		0.1	SW846-8260
cis-1,2-Dichloroethene	U	0.1	mg/L		0.1	SW846-8260
Ethylbenzene	U	0.1	mg/L		0.1	SW846-8260
Toluene	UY	0.1	mg/L		0.1	SW846-8260
Total Xylene	U	0.3	mg/L		0.3	SW846-8260
trans-1,2-Dichloroethene	U	0.1	mg/L		0.1	SW846-8260
Trichloroethene		0.45	mg/L		0.02	SW846-8260
<b>WETCHEM</b>						
Turbidity	<	0.5	NTU		0.5	EPA-180.1 1978

**MW66**

**GWACO99-12**

**ACO MW66 MONTHLY GWACO99-12**

**5503-99**

Collected: 9/13/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.97	Inches/Hg			
Conductivity		181	umho/cm			
Depth to Water		44.92	ft			
Dissolved Oxygen		8.4	mg/L			
pH		5.8	Std Unit			
Temperature		63.8	deg F			
<b>RADS</b>						
Alpha activity	A	4.08	pCi/L	1.15	4.31	EPA-900.0
Beta activity	X	187.31	pCi/L	9.87	6.58	EPA-900.0
Technetium-99		259	pCi/L	18.4	16.5	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	JU	0.25	mg/L		0.25	SW846-8260
1,1-Dichloroethane	JU	0.25	mg/L		0.25	SW846-8260
Bromodichloromethane	JU	0.25	mg/L		0.25	SW846-8260
Bromoform	JU	0.25	mg/L		0.25	SW846-8260
cis-1,2-Dichloroethene	JU	0.25	mg/L		0.25	SW846-8260
Ethylbenzene	JU	0.25	mg/L		0.25	SW846-8260
Toluene	JU	0.25	mg/L		0.25	SW846-8260
Total Xylene	JU	0.75	mg/L		0.75	SW846-8260
trans-1,2-Dichloroethene	JU	0.25	mg/L		0.25	SW846-8260
Trichloroethene	JY	0.34	mg/L		0.05	SW846-8260
<b>WETCHEM</b>						
Turbidity		1.8	NTU		0.5	EPA-180.1 1978

MW245

GWACO99-18

ACO NW Quarterly/Annual South field Monitoring

5643-98

Collected: 10/20/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Alkalinity		102	mg/L		10	EPA-310.1
Chloride		10.5	mg/L		2	SW846-9056
Fluoride		0.22	mg/L		0.1	EPA-340.2
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		12.6	mg/L		5	SW846-9056
Total Organic Carbon (TOC)	U	1	mg/L		1	SW846-9060
Total Phosphate as Phosphorus	U	2	mg/L		2	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		30.27	Inches/Hg			
Conductivity		264	umho/cm			
Depth to Water		43.6	ft			
Dissolved Oxygen		1.89	mg/L			
pH		6.18	Std Unit			
Temperature		62.6	deg F			
<b>METAL</b>						
Aluminum	U	1	mg/L		1	SW846-6010
Barium		0.16	mg/L		0.05	SW846-6010
Beryllium	U	0.02	mg/L		0.025	SW846-6010
Calcium	B	19.6	mg/L		2	SW846-6010
Chromium	BU	0.05	mg/L		0.05	SW846-6010
Cobalt	U	0.05	mg/L		0.05	SW846-6010
Copper	U	0.1	mg/L		0.1	SW846-6010
Iron	*N	0.98	mg/L		0.2	SW846-6010
Magnesium		7.8	mg/L		0.1	SW846-6010
Manganese		0.82	mg/L		0.1	SW846-6010
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	U	0.1	mg/L		0.1	SW846-6010
Nickel	U	0.1	mg/L		0.1	SW846-6010
Potassium	U	5	mg/L		5	SW846-6010
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Silica		26	mg/L		1	EPA-370.1
Silver	U	0.05	mg/L		0.05	SW846-6010
Sodium		24.2	mg/L		5	SW846-6010
Uranium	U	0.001	mg/L		0.001	IN7105
Zinc	U	0.2	mg/L		0.2	SW846-6010
<b>METAL-D</b>						
Barium		0.15	mg/L		0.05	SW846-6010
Calcium	N	18.8	mg/L		2	SW846-6010
Iron	U	0.2	mg/L		0.2	SW846-6010
Magnesium		7.63	mg/L		0.1	SW846-6010
Manganese		0.81	mg/L		0.1	SW846-6010
Sodium	N	23.7	mg/L		5	SW846-6010
<b>PHYSIC</b>						
Dissolved Solids		176	mg/L		25	EPA-160.2
Turbidity		16	NTU		0.5	EPA-180.1 1978
<b>RADS</b>						
Alpha activity	A	0.61	pCi/L	0.26	5.66	EPA-900.0
Beta activity		25.65	pCi/L	3	6.34	EPA-900.0
Radium-226		0.21	pCi/L	0.12	0.77	RL-7113

**MW245**

**GWACO99-18**

**ACO NW Quarterly/Annual South field Monitoring**

Radon		319.99	pCi/L	58.61	213	R-51
Technetium-99		39.1	pCi/L	13.1	17.63	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.005	mg/L		0.005	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene		0.067	mg/L		0.001	SW846-8260

**MW245**

**GWACO99-19**

**NW QUARTERLY GWACO99-19**

**5073-99**

Collected: 2/8/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.97	Inches/Hg			
Conductivity		344	umho/cm			
Depth to Water		43.18	ft			
Dissolved Oxygen		2.62	mg/L			
pH		6.5	Std Unit			
Temperature		59.5	deg F			
<b>METAL</b>						
Aluminum		11.8	mg/L		1	SW846-6010A
Calcium		22.2	mg/L		2	SW846-6010A
Iron		10.4	mg/L		0.2	SW846-6010A
Magnesium		9.25	mg/L		0.1	SW846-6010A
Manganese		1.94	mg/L		0.1	SW846-6010A
Potassium	U	5	mg/L		5	SW846-6010A
Sodium		26	mg/L		5	SW846-6010A
<b>METAL-D</b>						
Aluminum	U	1	mg/L		1	SW846-6010A
Calcium		21.9	mg/L		2	SW846-6010A
Iron	U	0.2	mg/L		0.2	SW846-6010A
Magnesium		8.62	mg/L		0.1	SW846-6010A
Manganese		1.51	mg/L		0.1	SW846-6010A
Sodium	J	28.1	mg/L		5	SW846-6010A
<b>RADS</b>						
Alpha activity	A	0.05	pCi/L	0.03	4.42	EPA-900.0
Beta activity		28.25	pCi/L	3.63	5.93	EPA-900.0
Technetium-99		37.84	pCi/L	14.06	19.21	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.025	mg/L		0.025	SW846-8260
1,1-Dichloroethane	U	0.025	mg/L		0.025	SW846-8260
Benzene	UY	0.025	mg/L		0.025	SW846-8260
Bromodichloromethane	U	0.025	mg/L		0.025	SW846-8260
cis-1,2-Dichloroethene	U	0.025	mg/L		0.025	SW846-8260
Ethylbenzene	U	0.025	mg/L		0.025	SW846-8260
Tetrachloroethene	U	0.025	mg/L		0.025	SW846-8260
Toluene	U	0.025	mg/L		0.025	SW846-8260
Total Xylene	U	0.05	mg/L		0.05	SW846-8260
trans-1,2-Dichloroethene	U	0.025	mg/L		0.025	SW846-8260
Trichloroethene		0.096	mg/L		0.005	SW846-8260
<b>WETCHEM</b>						
Silica		26	mg/L		1	EPA-370.1
Total Phosphate as Phosphorus	NU	2	mg/L		2	SW846-9056
Turbidity		220	NTU		0.5	EPA-180.1 1978

**MW245**

**GWACO99-20**

**NW QUARTERLY GWACO99-20**

**5255-99**

Collected: 5/3/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.85	Inches/Hg			
Conductivity		291	umho/cm			
Depth to Water		39.54	ft			
Dissolved Oxygen		1.4	mg/L			
pH		6.3	Std Unit			
Temperature		62.8	deg F			
<b>METAL</b>						
Aluminum		5.89	mg/L		0.2	SW846-6010A
Calcium		17.6	mg/L		0.5	SW846-6010A
Iron		9.13	mg/L		0.2	SW846-6010A
Magnesium		7.23	mg/L		0.05	SW846-6010A
Manganese		0.91	mg/L		0.05	SW846-6010A
Potassium	U	2	mg/L		2	SW846-6010A
Sodium		19.6	mg/L		2	SW846-6010A
<b>METAL-D</b>						
Aluminum		0.35	mg/L		0.2	SW846-6010A
Calcium	N	18.7	mg/L		0.5	SW846-6010A
Iron	B	0.26	mg/L		0.2	SW846-6010A
Magnesium		7.44	mg/L		0.05	SW846-6010A
Manganese		0.63	mg/L		0.05	SW846-6010A
Sodium		20.9	mg/L		2	SW846-6010A
<b>RADS</b>						
Alpha activity	A	1.51	pCi/L	0.59	4.71	EPA-900.0
Beta activity		40.14	pCi/L	4.31	5.54	EPA-900.0
Technetium-99		37.4	pCi/L	13.5	18.5	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
Benzene	UY	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.01	mg/L		0.01	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene		0.1	mg/L		0.001	SW846-8260
<b>WETCHEM</b>						
Phosphate as Phosphorous	U	2	mg/L		2	SW846-9056
Silica		24	mg/L		1	EPA-370.1
Turbidity		160	NTU		0.5	EPA-180.1 1978



**MW245**

**GWACO99-21**

**NW QUARTERLY GWACO99-21**

**5455-99**

Collected: 8/3/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		30.09	Inches/Hg			
Conductivity		322	umho/cm			
Depth to Water		41.17	ft			
Dissolved Oxygen		0.94	mg/L			
pH		6.4	Std Unit			
Temperature		64.8	deg F			
<b>METAL</b>						
Aluminum		6.43	mg/L		0.2	SW846-6010A
Calcium	N	20.4	mg/L		0.5	SW846-6010A
Iron		6.86	mg/L		0.2	SW846-6010A
Magnesium		8.18	mg/L		0.05	SW846-6010A
Manganese		1.22	mg/L		0.05	SW846-6010A
Potassium	U	2	mg/L		2	SW846-6010A
Sodium	N	22.5	mg/L		2	SW846-6010A
<b>METAL-D</b>						
Aluminum		0.525	mg/L		0.2	SW846-6010A
Calcium		21.4	mg/L		0.5	SW846-6010A
Iron		0.295	mg/L		0.2	SW846-6010A
Magnesium		8.3	mg/L		0.05	SW846-6010A
Manganese		1.65	mg/L		0.05	SW846-6010A
Sodium		24.9	mg/L		2	SW846-6010A
<b>RADS</b>						
Alpha activity	A	-0.27	pCi/L	0.12	3.93	EPA-900.0
Beta activity		74.7	pCi/L	6.2	6.56	EPA-900.0
Technetium-99		29.5	pCi/L	14	18.9	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene		0.097	mg/L		0.001	SW846-8260
<b>WETCHEM</b>						
Phosphate as Phosphorous	U	2	mg/L		2	SW846-9056
Silica	J	28	mg/L		1	EPA-370.1
Turbidity		140	NTU		0.5	EPA-180.1 1978

MW245

GWACO99-30

Annual South Field - Resampling

5662-98

Collected: 10/26/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		30.09	Inches/Hg			
Conductivity		272	umho/cm			
Depth to Water		43.57	ft			
Dissolved Oxygen		2.67	mg/L			
pH		5.94	Std Unit			
Temperature		63.7	deg F			
<b>RADS</b>						
Neptunium-237	A	0.4	pCi/L	0.2	0.67	RL-7103
Plutonium-239/240	A	0.0306	pCi/L	0.0364	0.0718	RL-7120
Thorium-230	A	0.0269	pCi/L	0.0785	0.324	RL-7120

# Paducah-OREIS Data Report

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12/18/2007

**MW182**

**GWAIP00-01**

**AIP Ground Water**

**MW182GWAIP01-00**

Collected: 4/20/2000

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.9	Inches/Hg			
Conductivity		1126	umho/cm			
Depth to Water		13.15	ft			
Dissolved Oxygen		0.45	mg/L			
pH		6.4	Std Unit			
Temperature		62.8	deg F			
<b>METAL</b>						
Uranium		0.44	mg/L		0.001	IN7105
<b>METAL-D</b>						
Uranium		0.45	mg/L		0.001	IN7105

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**MW185**

**GWES00-01**

## SURVEILLANCE QUARTERLY - 1ST QUARTER GWES00-01

**MW185ESQ1-00**

Collected: 12/4/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		30.08	Inches/Hg			
Conductivity		405	umho/cm			
Depth to Water		50.59	ft			
Dissolved Oxygen		1.72	mg/L			
pH		5.9	Std Unit			
Temperature		61	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Alpha activity	A	-6.26	pCi/L	1.01	2.8	EPA-900.0
Beta activity		1139.86	pCi/L	28.61	7.13	EPA-900.0
Technetium-99		1010	pCi/L	29.5	14.8	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.5	mg/L		0.5	SW846-8260
1,1-Dichloroethane	U	0.5	mg/L		0.5	SW846-8260
Bromodichloromethane	U	0.5	mg/L		0.5	SW846-8260
Toluene	U	0.5	mg/L		0.5	SW846-8260
Total Xylene	U	1.5	mg/L		1.5	SW846-8260
trans-1,2-Dichloroethene	U	0.5	mg/L		0.5	SW846-8260
Trichloroethene		3.8	mg/L		0.1	SW846-8260

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**MW186**

**GWES00-01**

## SURVEILLANCE QUARTERLY - 1ST QUARTER GWES00-01

**MW186ESQ1-00**

Collected: 12/4/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		30.08	Inches/Hg			
Conductivity		1648	umho/cm			
Depth to Water		10.68	ft			
Dissolved Oxygen		0.17	mg/L			
pH		5.6	Std Unit			
Temperature		63.1	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Alpha activity	A	-3.13	pCi/L	2.22	14.27	EPA-900.0
Beta activity		120.92	pCi/L	14.2	15.34	EPA-900.0
Technetium-99	A	13	pCi/L	10.5	14.8	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.05	mg/L		0.05	SW846-8260
1,1-Dichloroethane	U	0.05	mg/L		0.05	SW846-8260
Bromodichloromethane	U	0.05	mg/L		0.05	SW846-8260
cis-1,2-Dichloroethene		0.62	mg/L		0.05	SW846-8260
Ethylbenzene	U	0.05	mg/L		0.05	SW846-8260
Tetrachloroethene	U	0.05	mg/L		0.05	SW846-8260
Toluene	U	0.05	mg/L		0.05	SW846-8260
Total Xylene	U	0.15	mg/L		0.15	SW846-8260
trans-1,2-Dichloroethene	U	0.05	mg/L		0.05	SW846-8260
Trichloroethene		0.17	mg/L		0.01	SW846-8260
Vinyl chloride		1.2	mg/L		0.05	SW846-8260

**MW187**

**GWES00-01**

**SURVEILLANCE QUARTERLY - 1ST QUARTER GWES00-01**

**MW187ESQ1-00**

Collected: 12/3/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.6	Inches/Hg			
Conductivity		867.5	umho/cm			
Depth to Water		11.1	ft			
Dissolved Oxygen		1.21	mg/L			
pH		6.17	Std Unit			
Temperature		61.8	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Alpha activity		5.49	pCi/L	3.04	5.22	EPA-900.0
Beta activity		12.06	pCi/L	2.28	9.53	EPA-900.0
Technetium-99	A	6.75	pCi/L	10.3	14.8	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene		0.069	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene	D	0.54	mg/L		0.01	SW846-8260

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MW333

GWES00-01

SURVEILLANCE QUARTERLY - 1ST QUARTER GWES00-01

MW333ESQ1-00

Collected: 12/7/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		30.06	Inches/Hg			
Conductivity		208	umho/cm			
Depth to Water		53.15	ft			
Dissolved Oxygen		2.52	mg/L			
pH		5.93	Std Unit			
Temperature		61.9	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Alpha activity		2.48	pCi/L	1.18	2.38	EPA-900.0
Beta activity	A	1.48	pCi/L	0.35	6.42	EPA-900.0
Technetium-99	A	0.475	pCi/L	10.8	15.6	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene		0.029	mg/L		0.001	SW846-8260

**MW333**

**GWES00-01**

**SURVEILLANCE QUARTERLY - 1ST QUARTER GWES00-01**

**MW333DESQ1-00**

Collected: 12/7/1999

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		30.06	Inches/Hg			
Conductivity		208	umho/cm			
Depth to Water		53.15	ft			
Dissolved Oxygen		2.52	mg/L			
pH		5.93	Std Unit			
Temperature		61.9	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Alpha activity	A	0.45	pCi/L	0.45	2.38	EPA-900.0
Beta activity	A	0.49	pCi/L	0.12	6.42	EPA-900.0
Technetium-99	U	-6.17	pCi/L	0	15.8	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene		0.033	mg/L		0.001	SW846-8260



**MW337**

**GWES00-01**

**SURVEILLANCE QUARTERLY - 1ST QUARTER GWES00-01**

**MW337ESQ1-00**

Collected: 12/7/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		30.21	Inches/Hg			
Conductivity		137	umho/cm			
Depth to Water		50.6	ft			
Dissolved Oxygen		4.06	mg/L			
pH		5.8	Std Unit			
Temperature		57.3	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Alpha activity		4.34	pCi/L	1.47	2.11	EPA-900.0
Beta activity		69.36	pCi/L	6.02	5.76	EPA-900.0
Technetium-99		77.7	pCi/L	13.2	15.6	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene		0.044	mg/L		0.001	SW846-8260

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**MW338**

**GWES00-01**

## SURVEILLANCE QUARTERLY - 1ST QUARTER GWES00-01

**MW338ESQ1-00**

Collected: 12/7/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		30.21	Inches/Hg			
Conductivity		185	umho/cm			
Depth to Water		50.79	ft			
Dissolved Oxygen		5.07	mg/L			
pH		5.7	Std Unit			
Temperature		57.3	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Alpha activity	A	1.51	pCi/L	1.01	2.25	EPA-900.0
Beta activity	A	2.91	pCi/L	0.65	6.09	EPA-900.0
Technetium-99	A	-2.48	pCi/L	0	15.6	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene	U	0.001	mg/L		0.001	SW846-8260

**MW339**

**GWES00-01**

**SURVEILLANCE QUARTERLY - 1ST QUARTER GWES00-01**

**MW339ESQ1-00**

Collected: 12/7/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		30.21	Inches/Hg			
Conductivity		480	umho/cm			
Depth to Water		50.7	ft			
Dissolved Oxygen		3.03	mg/L			
pH		5.9	Std Unit			
Temperature		60	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Alpha activity	A	-7.13	pCi/L	0.74	4.39	EPA-900.0
Beta activity		3263.89	pCi/L	50.26	6.19	EPA-900.0
Technetium-99		4080	pCi/L	58.7	15.9	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	2.5	mg/L		2.5	SW846-8260
1,1-Dichloroethane	U	2.5	mg/L		2.5	SW846-8260
Bromodichloromethane	U	2.5	mg/L		2.5	SW846-8260
Toluene	U	2.5	mg/L		2.5	SW846-8260
Total Xylene	U	7.5	mg/L		7.5	SW846-8260
Trichloroethene		22	mg/L		0.5	SW846-8260

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**MW340**

**GWES00-01**

## SURVEILLANCE QUARTERLY - 1ST QUARTER GWES00-01

**MW340ESQ1-00**

Collected: 12/4/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		30.08	Inches/Hg			
Conductivity		441	umho/cm			
Depth to Water		50.92	ft			
Dissolved Oxygen		2.97	mg/L			
pH		5.8	Std Unit			
Temperature		61.3	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Alpha activity		5.65	pCi/L	1.05	3.22	EPA-900.0
Beta activity		701.81	pCi/L	23.44	7.82	EPA-900.0
Technetium-99		588	pCi/L	24.3	15.6	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.1	mg/L		0.1	SW846-8260
1,1-Dichloroethane	U	0.1	mg/L		0.1	SW846-8260
Bromodichloromethane	U	0.1	mg/L		0.1	SW846-8260
cis-1,2-Dichloroethene	U	0.1	mg/L		0.1	SW846-8260
Ethylbenzene	U	0.1	mg/L		0.1	SW846-8260
Toluene	U	0.1	mg/L		0.1	SW846-8260
Total Xylene	U	0.3	mg/L		0.3	SW846-8260
trans-1,2-Dichloroethene	U	0.1	mg/L		0.1	SW846-8260
Trichloroethene		0.81	mg/L		0.02	SW846-8260

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**MW63**

**GWES00-01**

## SURVEILLANCE QUARTERLY - 1ST QUARTER GWES00-01

**MW63ESQ1-00**

Collected: 12/3/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.6	Inches/Hg			
Conductivity		251.3	umho/cm			
Depth to Water		49.27	ft			
Dissolved Oxygen		4.63	mg/L			
pH		6	Std Unit			
Temperature		59.5	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Alpha activity	A	1.19	pCi/L	0.9	2.7	EPA-900.0
Beta activity	A	5.39	pCi/L	1.12	6.93	EPA-900.0
Technetium-99	A	3.72	pCi/L	10.2	14.8	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene		0.002	mg/L		0.001	SW846-8260

**MW65**

**GWES00-01**

**SURVEILLANCE QUARTERLY - 1ST QUARTER GWES00-01**

**MW65ESQ1-00**

Collected: 12/3/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.6	Inches/Hg			
Conductivity		181.3	umho/cm			
Depth to Water		49.29	ft			
Dissolved Oxygen		4.49	mg/L			
pH		5.8	Std Unit			
Temperature		60	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Alpha activity	A	1.52	pCi/L	0.96	2.45	EPA-900.0
Beta activity		13.19	pCi/L	2.21	6.41	EPA-900.0
Technetium-99	A	11.6	pCi/L	10.4	14.8	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene		0.009	mg/L		0.001	SW846-8260

## MW185

## GWES00-02

## SURVEILLANCE QUARTERLY - 2ND QUARTER GWES00-02

## MW185ESQ2-00

Collected: 3/7/2000

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		30.12	Inches/Hg			
Conductivity		446	umho/cm			
Depth to Water		51.67	ft			
Dissolved Oxygen		1.87	mg/L			
pH		5.96	Std Unit			
Temperature		60.5	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Alpha activity		13.37	pCi/L	2.18	4.63	EPA-900.0
Americium-241	U	-11.8	pCi/L	23.6	44.1	RL-7124
Beta activity		1164.21	pCi/L	29.45	6.87	EPA-900.0
Cesium-134	U	4.52	pCi/L	9.05	16.3	RL-7124
Cesium-137	U	-8.3	pCi/L	16.6	16.7	RL-7124
Cobalt-60	U	-4.02	pCi/L	8.04	18.7	RL-7124
Dissolved Alpha		8.68	pCi/L	2.09	5.87	EPA-900.0
Dissolved Beta		1011.92	pCi/L	35.82	11.29	EPA-900.0
Neptunium-237	U	0.47	pCi/L	0.26	0.794	RL-7103
Plutonium-238	U	0.0207	pCi/L	0.0902	0.262	RL-7120
Plutonium-239/240	U	0.0317	pCi/L	0.0422	0.239	RL-7120
Potassium-40	U	-49.4	pCi/L	98.8	443	RL-7124
Suspended Alpha	U	1.27	pCi/L	0.96	3.84	EPA-900.0
Suspended Beta	U	0.38	pCi/L	0.11	7.44	EPA-900.0
Technetium-99		1120	pCi/L	33.4	18.2	RL-7100
Thorium-228	U	-3E-06	pCi/L	0.0662	0.214	RL-7120
Thorium-230	U	0.00158	pCi/L	0.0848	0.587	RL-7120
Thorium-232	U	-2E-06	pCi/L	0.0503	0.351	RL-7120
Uranium-235	U	-9.32	pCi/L	0	0.941	RL-7124
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.25	mg/L		0.25	SW846-8260
1,1-Dichloroethane	U	0.25	mg/L		0.25	SW846-8260
Bromodichloromethane	U	0.25	mg/L		0.25	SW846-8260
cis-1,2-Dichloroethene	UX	0.25	mg/L		0.25	SW846-8260
Ethylbenzene	U	0.25	mg/L		0.25	SW846-8260
Toluene	U	0.25	mg/L		0.25	SW846-8260
Total Xylene	U	0.75	mg/L		0.75	SW846-8260
trans-1,2-Dichloroethene	U	0.25	mg/L		0.25	SW846-8260
Trichloroethene		3.8	mg/L		0.05	SW846-8260

**MW186**

**GWES00-02**

**SURVEILLANCE QUARTERLY - 2ND QUARTER GWES00-02**

**MW186ESQ2-00**

Collected: 3/7/2000

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		30.12	Inches/Hg			
Conductivity		168	umho/cm			
Depth to Water		10.5	ft			
Dissolved Oxygen		0.45	mg/L			
pH		5.84	Std Unit			
Temperature		59.8	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Alpha activity	U	-4.88	pCi/L	4.37	16	EPA-900.0
Americium-241	U	21.2	pCi/L	42.5	47.4	RL-7124
Beta activity		80.49	pCi/L	10.87	17.77	EPA-900.0
Cesium-134	U	0.571	pCi/L	1.14	16.7	RL-7124
Cesium-137	U	-1.56	pCi/L	3.12	18	RL-7124
Cobalt-60	U	-4.73	pCi/L	9.45	20.2	RL-7124
Dissolved Alpha	U	8.15	pCi/L	4.52	12.62	EPA-900.0
Dissolved Beta		80.27	pCi/L	11	17.02	EPA-900.0
Neptunium-237	U	0.4	pCi/L	0.23	0.794	RL-7103
Plutonium-238	U	0.0145	pCi/L	0.0972	0.264	RL-7120
Plutonium-239/240	U	0.00043	pCi/L	0.0358	0.242	RL-7120
Potassium-40	U	67.3	pCi/L	135	473	RL-7124
Suspended Alpha	U	2.39	pCi/L	1.51	3.97	EPA-900.0
Suspended Beta	U	1.71	pCi/L	0.46	7.69	EPA-900.0
Technetium-99	U	7.45	pCi/L	12.5	18.2	RL-7100
Thorium-228	U	0.0368	pCi/L	0.095	0.261	RL-7120
Thorium-230	U	0.151	pCi/L	0.125	0.593	RL-7120
Thorium-232	U	0.012	pCi/L	0.0537	0.357	RL-7120
Uranium-235	U	0	pCi/L	0	0.945	RL-7124
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.05	mg/L		0.05	SW846-8260
1,1-Dichloroethane	UX	0.05	mg/L		0.05	SW846-8260
Bromodichloromethane	U	0.05	mg/L		0.05	SW846-8260
cis-1,2-Dichloroethene		0.5	mg/L		0.05	SW846-8260
Ethylbenzene	U	0.05	mg/L		0.05	SW846-8260
Tetrachloroethene	U	0.05	mg/L		0.05	SW846-8260
Toluene	U	0.05	mg/L		0.05	SW846-8260
Total Xylene	U	0.15	mg/L		0.15	SW846-8260
trans-1,2-Dichloroethene	U	0.05	mg/L		0.05	SW846-8260
Trichloroethene		0.13	mg/L		0.01	SW846-8260
Vinyl chloride		0.65	mg/L		0.05	SW846-8260



MW187

GWES00-02

SURVEILLANCE QUARTERLY - 2ND QUARTER GWES00-02

MW187ESQ2-00

Collected: 3/7/2000

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		30.12	Inches/Hg			
Conductivity		890	umho/cm			
Depth to Water		8.79	ft			
Dissolved Oxygen		1.89	mg/L			
pH		6.3	Std Unit			
Temperature		62.2	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Alpha activity	U	4.34	pCi/L	2.24	8.84	EPA-900.0
Americium-241	U	-22.4	pCi/L	44.9	40.7	RL-7124
Beta activity		9.14	pCi/L	1.93	9.13	EPA-900.0
Cesium-134	U	2.25	pCi/L	4.5	16.1	RL-7124
Cesium-137	U	-4.98	pCi/L	9.96	16.4	RL-7124
Cobalt-60	U	-0.416	pCi/L	0.831	25.3	RL-7124
Dissolved Alpha	U	4.07	pCi/L	2.72	8.1	EPA-900.0
Dissolved Beta		14.64	pCi/L	3.2	14.24	EPA-900.0
Neptunium-237	U	0.47	pCi/L	0.27	0.794	RL-7103
Plutonium-238	U	-0.312	pCi/L	0.0865	1.18	RL-7120
Plutonium-239/240	U	-0.0159	pCi/L	0.0475	0.2	RL-7120
Potassium-40	U	-27.7	pCi/L	55.5	436	RL-7124
Suspended Alpha	U	-0.06	pCi/L	0.07	3.93	EPA-900.0
Suspended Beta	U	2.35	pCi/L	0.61	7.61	EPA-900.0
Technetium-99	U	-1.19	pCi/L	0	18.2	RL-7100
Thorium-228	U	0.033	pCi/L	0.107	0.259	RL-7120
Thorium-230	U	-0.0331	pCi/L	0.265	3.08	RL-7120
Thorium-232	U	0.0415	pCi/L	0.0841	0.339	RL-7120
Uranium-235	U	-5.84	pCi/L	0	0.938	RL-7124
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.025	mg/L		0.025	SW846-8260
1,1-Dichloroethane	U	0.025	mg/L		0.025	SW846-8260
Benzene	U	0.025	mg/L		0.025	SW846-8260
Bromodichloromethane	U	0.025	mg/L		0.025	SW846-8260
cis-1,2-Dichloroethene		0.034	mg/L		0.025	SW846-8260
Ethylbenzene	U	0.025	mg/L		0.025	SW846-8260
Tetrachloroethene	U	0.025	mg/L		0.025	SW846-8260
Toluene	U	0.025	mg/L		0.025	SW846-8260
Total Xylene	U	0.075	mg/L		0.075	SW846-8260
trans-1,2-Dichloroethene	U	0.025	mg/L		0.025	SW846-8260
Trichloroethene		0.61	mg/L		0.005	SW846-8260

## MW333

## GWES00-02

## SURVEILLANCE QUARTERLY - 2ND QUARTER GWES00-02

## MW333ESQ2-00

Collected: 3/8/2000

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		30.09	Inches/Hg			
Conductivity		208	umho/cm			
Depth to Water		54.05	ft			
Dissolved Oxygen		2.26	mg/L			
pH		5.7	Std Unit			
Temperature		65.3	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Alpha activity	U	1.58	pCi/L	0.85	3.79	EPA-900.0
Americium-241	U	1.14	pCi/L	2.28	45.5	RL-7124
Beta activity	U	4.62	pCi/L	1.02	5.86	EPA-900.0
Cesium-134	U	-0.242	pCi/L	0.483	17.9	RL-7124
Cesium-137	U	-2.1	pCi/L	4.2	18.4	RL-7124
Cobalt-60	U	1.69	pCi/L	3.37	23.7	RL-7124
Dissolved Alpha	U	3.16	pCi/L	2.11	4.52	EPA-900.0
Dissolved Beta	U	6.47	pCi/L	1.56	10.79	EPA-900.0
Neptunium-237	U	0.4	pCi/L	0.24	0.794	RL-7103
Plutonium-238	U	-0.183	pCi/L	0.102	1.13	RL-7120
Plutonium-239/240	U	0.0133	pCi/L	0.0496	0.207	RL-7120
Potassium-40	U	92.5	pCi/L	185	480	RL-7124
Suspended Alpha	U	2.31	pCi/L	1.63	3.64	EPA-900.0
Suspended Beta	U	5.23	pCi/L	1.26	8.72	EPA-900.0
Technetium-99	U	-12.8	pCi/L	0	18.2	RL-7100
Thorium-228	U	0.0745	pCi/L	0.0722	0.247	RL-7120
Thorium-230	U	-0.478	pCi/L	0.0974	3.09	RL-7120
Thorium-232	U	-0.0111	pCi/L	0.0537	0.297	RL-7120
Uranium-235	U	0	pCi/L	0	0.944	RL-7124
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene		0.046	mg/L		0.001	SW846-8260

**MW337**

**GWES00-02**

**SURVEILLANCE QUARTERLY - 2ND QUARTER GWES00-02**

**MW337ESQ2-00**

Collected: 3/7/2000

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		30.12	Inches/Hg			
Conductivity		151	umho/cm			
Depth to Water		51.86	ft			
Dissolved Oxygen		3.69	mg/L			
pH		5.6	Std Unit			
Temperature		63.8	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Alpha activity	U	-0.43	pCi/L	0.23	3.61	EPA-900.0
Americium-241	U	15.2	pCi/L	30.4	46.4	RL-7124
Beta activity		79.03	pCi/L	6.63	5.61	EPA-900.0
Cesium-134	U	5.34	pCi/L	10.7	17.4	RL-7124
Cesium-137	U	-3.57	pCi/L	7.14	17.2	RL-7124
Cobalt-60	U	-1.92	pCi/L	3.84	19.4	RL-7124
Dissolved Alpha	U	2.71	pCi/L	1.51	5.04	EPA-900.0
Dissolved Beta		66.55	pCi/L	7.87	9.8	EPA-900.0
Neptunium-237	U	0.4	pCi/L	0.24	0.794	RL-7103
Plutonium-238	U	0.113	pCi/L	0.0976	0.262	RL-7120
Plutonium-239/240	U	0.017	pCi/L	0.0314	0.239	RL-7120
Potassium-40	U	5.99	pCi/L	12	478	RL-7124
Suspended Alpha	U	-0.02	pCi/L	0.02	3.93	EPA-900.0
Suspended Beta	U	0.78	pCi/L	0.22	7.61	EPA-900.0
Technetium-99		84.8	pCi/L	14.9	18.2	RL-7100
Thorium-228	U	-0.0133	pCi/L	0.042	0.2	RL-7120
Thorium-230	U	-0.0162	pCi/L	0.0689	0.57	RL-7120
Thorium-232	U	-0.0325	pCi/L	0.0344	0.332	RL-7120
Uranium-235	U	-9.63	pCi/L	0	0.938	RL-7124
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene		0.044	mg/L		0.001	SW846-8260

**MW338**

**GWES00-02**

**SURVEILLANCE QUARTERLY - 2ND QUARTER GWES00-02**

**MW338ESQ2-00**

Collected: 3/7/2000

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		30.12	Inches/Hg			
Conductivity		191	umho/cm			
Depth to Water		51.96	ft			
Dissolved Oxygen		4.5	mg/L			
pH		5.5	Std Unit			
Temperature		67.2	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Alpha activity	U	0	pCi/L	0	3.7	EPA-900.0
Americium-241	U	3.06	pCi/L	6.12	48	RL-7124
Beta activity		5.93	pCi/L	1.24	5.74	EPA-900.0
Cesium-134	U	1.4	pCi/L	2.81	19.2	RL-7124
Cesium-137	U	-4.55	pCi/L	9.11	19.7	RL-7124
Cobalt-60	U	16.5	pCi/L	33.1	26.4	RL-7124
Dissolved Alpha	U	-0.21	pCi/L	0.24	5.23	EPA-900.0
Dissolved Beta	U	7.84	pCi/L	1.81	10.16	EPA-900.0
Neptunium-237	U	0.27	pCi/L	0.17	0.794	RL-7103
Plutonium-238	U	0.173	pCi/L	0.109	0.263	RL-7120
Plutonium-239/240	U	0.0084	pCi/L	0.0305	0.242	RL-7120
Potassium-40	U	-43.2	pCi/L	86.4	465	RL-7124
Suspended Alpha	U	1.02	pCi/L	0.83	3.93	EPA-900.0
Suspended Beta	U	2.74	pCi/L	0.7	7.61	EPA-900.0
Technetium-99	U	-4.97	pCi/L	0	18.2	RL-7100
Thorium-228	U	0.0562	pCi/L	0.0482	0.217	RL-7120
Thorium-230	U	-0.0371	pCi/L	0.0569	0.576	RL-7120
Thorium-232	U	-0.0079	pCi/L	0.0568	0.343	RL-7120
Uranium-235	U	-11.6	pCi/L	0	0.942	RL-7124
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene	U	0.001	mg/L		0.001	SW846-8260

**MW339**

**GWES00-02**

**SURVEILLANCE QUARTERLY - 2ND QUARTER GWES00-02**

**MW339ESQ2-00**

Collected: 3/9/2000

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.54	Inches/Hg			
Conductivity		503	umho/cm			
Depth to Water		51.51	ft			
Dissolved Oxygen		3.91	mg/L			
pH		5.6	Std Unit			
Temperature		61.6	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Alpha activity		67.51	pCi/L	5.71	3.66	EPA-900.0
Americium-241	U	-20.2	pCi/L	40.3	35	RL-7124
Beta activity		4447.49	pCi/L	58.71	7.68	EPA-900.0
Cesium-134	U	2.91	pCi/L	5.81	14	RL-7124
Cesium-137	U	-1.01	pCi/L	2.02	17.6	RL-7124
Cobalt-60	U	-9.06	pCi/L	18.1	13.8	RL-7124
Dissolved Alpha		55.88	pCi/L	6.85	4.93	EPA-900.0
Dissolved Beta		3453.5	pCi/L	67.69	11.65	EPA-900.0
Neptunium-237		1.55	pCi/L	0.57	0.794	RL-7103
Plutonium-238	U	-0.136	pCi/L	0.0951	1.13	RL-7120
Plutonium-239/240	U	-0.0254	pCi/L	0.042	0.202	RL-7120
Potassium-40	U	-173	pCi/L	345	304	RL-7124
Suspended Alpha	U	2.76	pCi/L	1.75	3.59	EPA-900.0
Suspended Beta		14.13	pCi/L	2.74	8.59	EPA-900.0
Technetium-99		4050	pCi/L	63.1	19.4	RL-7100
Thorium-228	U	-0.0397	pCi/L	0.0507	0.192	RL-7120
Thorium-230	U	-0.0858	pCi/L	0.066	0.356	RL-7120
Thorium-232	U	0.0412	pCi/L	0.0434	0.269	RL-7120
Uranium-235	U	-4.09	pCi/L	0	0.935	RL-7124
<b>VOA</b>						
1,1,1-Trichloroethane	U	2	mg/L		2	SW846-8260
1,1-Dichloroethane	U	2	mg/L		2	SW846-8260
Bromodichloromethane	U	2	mg/L		2	SW846-8260
Toluene	U	2	mg/L		2	SW846-8260
Total Xylene	U	6	mg/L		6	SW846-8260
Trichloroethene		20	mg/L		0.4	SW846-8260

**MW340**

**GWES00-02**

**SURVEILLANCE QUARTERLY - 2ND QUARTER GWES00-02**

**MW340ESQ2-00**

Collected: 3/7/2000

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		30.12	Inches/Hg			
Conductivity		458	umho/cm			
Depth to Water		52.35	ft			
Dissolved Oxygen		2.99	mg/L			
pH		5.74	Std Unit			
Temperature		63.6	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Alpha activity		9.5	pCi/L	1.95	5.08	EPA-900.0
Americium-241	U	13.6	pCi/L	27.3	47.2	RL-7124
Beta activity		741.54	pCi/L	24.17	7.3	EPA-900.0
Cesium-134	U	-1.37	pCi/L	2.74	15.8	RL-7124
Cesium-137	U	0.885	pCi/L	1.77	21.2	RL-7124
Cobalt-60	U	4.89	pCi/L	9.79	24.2	RL-7124
Dissolved Alpha	U	3.45	pCi/L	1.11	6.15	EPA-900.0
Dissolved Beta		629.53	pCi/L	28.71	11.75	EPA-900.0
Neptunium-237	U	0.27	pCi/L	0.17	0.794	RL-7103
Plutonium-238	U	-0.0047	pCi/L	0.0884	0.262	RL-7120
Plutonium-239/240	U	0.0106	pCi/L	0.0359	0.239	RL-7120
Potassium-40	U	-13.9	pCi/L	27.9	471	RL-7124
Suspended Alpha	U	0.62	pCi/L	0.56	3.86	EPA-900.0
Suspended Beta	U	0.77	pCi/L	0.21	7.48	EPA-900.0
Technetium-99		432	pCi/L	22.8	18.2	RL-7100
Thorium-228	U	0.111	pCi/L	0.148	0.275	RL-7120
Thorium-230	U	0.0251	pCi/L	0.0959	0.64	RL-7120
Thorium-232	U	0.0181	pCi/L	0.0626	0.419	RL-7120
Uranium-235	U	-9.2	pCi/L	0	0.945	RL-7124
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.05	mg/L		0.05	SW846-8260
1,1-Dichloroethane	U	0.05	mg/L		0.05	SW846-8260
Bromodichloromethane	U	0.05	mg/L		0.05	SW846-8260
cis-1,2-Dichloroethene	UX	0.05	mg/L		0.05	SW846-8260
Ethylbenzene	U	0.05	mg/L		0.05	SW846-8260
Tetrachloroethene	U	0.05	mg/L		0.05	SW846-8260
Toluene	U	0.05	mg/L		0.05	SW846-8260
Total Xylene	U	0.15	mg/L		0.15	SW846-8260
trans-1,2-Dichloroethene	U	0.05	mg/L		0.05	SW846-8260
Trichloroethene		0.88	mg/L		0.01	SW846-8260

**MW346**

**GWES00-02**

**SURVEILLANCE QUARTERLY - 2ND QUARTER GWES00-02**

**MW346ESQ2-00**

Collected: 3/10/2000

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.7	Inches/Hg			
Conductivity		537	umho/cm			
Depth to Water		47.76	ft			
Dissolved Oxygen		0.49	mg/L			
pH		7	Std Unit			
Temperature		60.6	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Alpha activity	U	0.86	pCi/L	0.7	4.58	EPA-900.0
Americium-241	U	8.31	pCi/L	16.6	80.6	RL-7124
Beta activity		13.63	pCi/L	2.45	8.68	EPA-900.0
Cesium-134	U	-5.88	pCi/L	11.8	16	RL-7124
Cesium-137	U	4.17	pCi/L	8.34	19.1	RL-7124
Cobalt-60	U	-2.34	pCi/L	4.68	17.6	RL-7124
Dissolved Alpha	U	1.47	pCi/L	1.04	7.14	EPA-900.0
Dissolved Beta	U	8.15	pCi/L	1.76	12.92	EPA-900.0
Neptunium-237	U	0.05	pCi/L	0.04	0.638	RL-7103
Plutonium-238	U	-0.192	pCi/L	0.0851	1.13	RL-7120
Plutonium-239/240	U	-0.0585	pCi/L	0.0339	0.2	RL-7120
Potassium-40		240	pCi/L	206	22.9	RL-7124
Suspended Alpha	U	-0.64	pCi/L	0.74	4.89	EPA-900.0
Suspended Beta	U	-1.79	pCi/L	0.49	8.95	EPA-900.0
Technetium-99	U	-7.5	pCi/L	0	19.4	RL-7100
Thorium-228	U	-0.0467	pCi/L	0.0923	0.208	RL-7120
Thorium-230	U	-0.136	pCi/L	0.0974	0.406	RL-7120
Thorium-232	U	0.013	pCi/L	0.0581	0.305	RL-7120
Uranium-235	U	-8.2	pCi/L	0	0.955	RL-7124
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene	U	0.001	mg/L		0.001	SW846-8260

**MW63**

**GWES00-02**

**SURVEILLANCE QUARTERLY - 2ND QUARTER GWES00-02**

**MW63ESQ2-00**

Collected: 3/8/2000

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		30.09	Inches/Hg			
Conductivity		234	umho/cm			
Depth to Water		50.43	ft			
Dissolved Oxygen		5	mg/L			
pH		5.84	Std Unit			
Temperature		64.1	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Alpha activity	U	0.96	pCi/L	0.56	3.87	EPA-900.0
Americium-241	U	5.7	pCi/L	11.4	36.8	RL-7124
Beta activity		11.55	pCi/L	2.07	5.97	EPA-900.0
Cesium-134	U	-1.71	pCi/L	3.42	14.5	RL-7124
Cesium-137	U	-6.14	pCi/L	12.3	16.5	RL-7124
Cobalt-60	U	8.63	pCi/L	17.3	19.4	RL-7124
Dissolved Alpha	U	1.27	pCi/L	1.14	4.5	EPA-900.0
Dissolved Beta	U	9.2	pCi/L	2.08	10.74	EPA-900.0
Neptunium-237	U	0.41	pCi/L	0.19	0.534	RL-7103
Plutonium-238	U	-0.188	pCi/L	0.0983	1.12	RL-7120
Plutonium-239/240	U	-0.0393	pCi/L	0.0401	0.204	RL-7120
Potassium-40	U	-123.4	pCi/L	248	306	RL-7124
Suspended Alpha	U	0.7	pCi/L	0.7	3.39	EPA-900.0
Suspended Beta	U	-0.69	pCi/L	0.21	8.1	EPA-900.0
Technetium-99	U	15.3	pCi/L	8.23	16.6	RL-7100
Thorium-228	U	0	pCi/L	0	0.266	RL-7120
Thorium-230	U	-0.624	pCi/L	0.107	3.1	RL-7120
Thorium-232	U	-0.0674	pCi/L	0.0641	0.335	RL-7120
Uranium-235	U	-7.63	pCi/L	0	0.947	RL-7124
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene		0.006	mg/L		0.001	SW846-8260



**MW65****GWES00-02****SURVEILLANCE QUARTERLY - 2ND QUARTER GWES00-02****MW65ESQ2-00**

Collected: 3/8/2000

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		30.09	Inches/Hg			
Conductivity		189	umho/cm			
Depth to Water		50.44	ft			
Dissolved Oxygen		4.07	mg/L			
pH		5.66	Std Unit			
Temperature		62.8	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Alpha activity	U	1.21	pCi/L	0.76	2.79	EPA-900.0
Americium-241	U	21.8	pCi/L	43.6	91.8	RL-7124
Beta activity		19.39	pCi/L	2.85	6.2	EPA-900.0
Cesium-134	U	-1.5	pCi/L	3	17	RL-7124
Cesium-137	U	-2.88	pCi/L	5.76	17.8	RL-7124
Cobalt-60	U	0.381	pCi/L	0.762	19.9	RL-7124
Dissolved Alpha	U	1.27	pCi/L	1.14	4.88	EPA-900.0
Dissolved Beta		14.06	pCi/L	2.95	11.55	EPA-900.0
Neptunium-237	U	0.4	pCi/L	0.24	0.794	RL-7103
Plutonium-238	U	-0.263	pCi/L	0.0934	1.13	RL-7120
Plutonium-239/240	U	-0.0251	pCi/L	0.0371	0.208	RL-7120
Potassium-40	U	12.1	pCi/L	24.2	373	RL-7124
Suspended Alpha	U	0	pCi/L	0.01	3.38	EPA-900.0
Suspended Beta	U	-0.14	pCi/L	0.04	8.07	EPA-900.0
Technetium-99		28.7	pCi/L	8.57	16.6	RL-7100
Thorium-228	U	-0.0104	pCi/L	0.0692	0.255	RL-7120
Thorium-230	U	-0.557	pCi/L	0.0843	3.08	RL-7120
Thorium-232	U	-0.0048	pCi/L	0.0353	0.295	RL-7120
Uranium-235	U	-16.2	pCi/L	0	0.928	RL-7124
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene		0.012	mg/L		0.001	SW846-8260

**MW185**

**GWES00-03**

**SURVEILLANCE QUARTERLY - 3RD QUARTER GWES00-03**

**MW185ESQ3-00**

Collected: 6/5/2000

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.88	Inches/Hg			
Conductivity		510	umho/cm			
Depth to Water		50.05	ft			
Dissolved Oxygen		1.94	mg/L			
pH		6.4	Std Unit			
Temperature		63.6	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Alpha activity	U	-0.71	pCi/L	0.13	5.5	EPA-900.0
Beta activity		861.22	pCi/L	27.39	9.35	EPA-900.0
Technetium-99		1060	pCi/L	35.3	21.3	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.25	mg/L		0.25	SW846-8260
1,1-Dichloroethane	U	0.25	mg/L		0.25	SW846-8260
Bromodichloromethane	U	0.25	mg/L		0.25	SW846-8260
cis-1,2-Dichloroethene	UX	0.25	mg/L		0.25	SW846-8260
Ethylbenzene	U	0.25	mg/L		0.25	SW846-8260
Toluene	U	0.25	mg/L		0.25	SW846-8260
Total Xylene	U	0.75	mg/L		0.75	SW846-8260
trans-1,2-Dichloroethene	U	0.25	mg/L		0.25	SW846-8260
Trichloroethene		3.9	mg/L		0.05	SW846-8260

**MW186**

**GWES00-03**

**SURVEILLANCE QUARTERLY - 3RD QUARTER GWES00-03**

**MW186ESQ3-00**

Collected: 6/5/2000

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.88	Inches/Hg			
Conductivity		1590	umho/cm			
Depth to Water		8.2	ft			
Dissolved Oxygen		0.07	mg/L			
pH		5.79	Std Unit			
Temperature		62.7	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Alpha activity	U	4.42	pCi/L	2.45	12.36	EPA-900.0
Beta activity		72.07	pCi/L	10	25.63	EPA-900.0
Technetium-99	U	14.4	pCi/L	14.7	21.3	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.05	mg/L		0.05	SW846-8260
1,1-Dichloroethane	UX	0.05	mg/L		0.05	SW846-8260
Bromodichloromethane	U	0.05	mg/L		0.05	SW846-8260
cis-1,2-Dichloroethene		0.76	mg/L		0.05	SW846-8260
Ethylbenzene	U	0.05	mg/L		0.05	SW846-8260
Tetrachloroethene	U	0.05	mg/L		0.05	SW846-8260
Toluene	UX	0.05	mg/L		0.05	SW846-8260
Total Xylene	U	0.15	mg/L		0.15	SW846-8260
trans-1,2-Dichloroethene	U	0.05	mg/L		0.05	SW846-8260
Trichloroethene		0.19	mg/L		0.01	SW846-8260
Vinyl chloride		1.2	mg/L		0.05	SW846-8260

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**MW187**

**GWES00-03**

## SURVEILLANCE QUARTERLY - 3RD QUARTER GWES00-03

**MW187ESQ3-00**

Collected: 6/5/2000

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.88	Inches/Hg			
Conductivity		841	umho/cm			
Depth to Water		7.66	ft			
Dissolved Oxygen		0.81	mg/L			
pH		6.21	Std Unit			
Temperature		62.2	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Alpha activity	U	-0.57	pCi/L	0.43	8.43	EPA-900.0
Beta activity	U	5.1	pCi/L	1.09	13.8	EPA-900.0
Technetium-99	U	-13.1	pCi/L	0	21.3	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.025	mg/L		0.025	SW846-8260
1,1-Dichloroethane	U	0.025	mg/L		0.025	SW846-8260
Benzene	U	0.025	mg/L		0.025	SW846-8260
Bromodichloromethane	U	0.025	mg/L		0.025	SW846-8260
cis-1,2-Dichloroethene	UX	0.025	mg/L		0.025	SW846-8260
Ethylbenzene	U	0.025	mg/L		0.025	SW846-8260
Tetrachloroethene	U	0.025	mg/L		0.025	SW846-8260
Toluene	U	0.025	mg/L		0.025	SW846-8260
Total Xylene	U	0.075	mg/L		0.075	SW846-8260
trans-1,2-Dichloroethene	U	0.025	mg/L		0.025	SW846-8260
Trichloroethene		0.97	mg/L		0.01	SW846-8260

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MW333

GWES00-03

SURVEILLANCE QUARTERLY - 3RD QUARTER GWES00-03

MW333ESQ3-00

Collected: 6/14/2000

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.91	Inches/Hg			
Conductivity		212	umho/cm			
Depth to Water		52.6	ft			
Dissolved Oxygen		0.57	mg/L			
pH		5.86	Std Unit			
Temperature		68.7	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Alpha activity	U	0.52	pCi/L	0.39	3.42	EPA-900.0
Beta activity	U	-0.97	pCi/L	0.22	7.25	EPA-900.0
Technetium-99	U	-4.54	pCi/L	0	18.4	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene		0.11	mg/L		0.002	SW846-8260

**MW337**

**GWES00-03**

**SURVEILLANCE QUARTERLY - 3RD QUARTER GWES00-03**

**MW337ESQ3-00**

Collected: 6/14/2000

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.91	Inches/Hg			
Conductivity		179	umho/cm			
Depth to Water		50.04	ft			
Dissolved Oxygen		3.37	mg/L			
pH		5.73	Std Unit			
Temperature		69.1	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Alpha activity	U	1.02	pCi/L	0.41	3.28	EPA-900.0
Beta activity		97.07	pCi/L	7.31	6.97	EPA-900.0
Technetium-99		117	pCi/L	15.9	18.4	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	UX	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene		0.075	mg/L		0.001	SW846-8260

**MW338**

**GWES00-03**

**SURVEILLANCE QUARTERLY - 3RD QUARTER GWES00-03**

**MW338ESQ3-00**

Collected: 6/14/2000

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.91	Inches/Hg			
Conductivity		190	umho/cm			
Depth to Water		50.3	ft			
Dissolved Oxygen		3.7	mg/L			
pH		5.59	Std Unit			
Temperature		70.8	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Alpha activity	U	1.83	pCi/L	1.06	3.38	EPA-900.0
Beta activity	U	-2.5	pCi/L	0.62	7.18	EPA-900.0
Technetium-99	U	-9.54	pCi/L	0	18.4	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene		0.024	mg/L		0.001	SW846-8260

**MW339**

**GWES00-03**

**SURVEILLANCE QUARTERLY - 3RD QUARTER GWES00-03**

**MW339ESQ3-00**

Collected: 6/14/2000

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.91	Inches/Hg			
Conductivity		505	umho/cm			
Depth to Water		49.9	ft			
Dissolved Oxygen		2.9	mg/L			
pH		5.71	Std Unit			
Temperature		66.1	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Alpha activity	U	-27.17	pCi/L	2.71	4.72	EPA-900.0
Beta activity		4141.53	pCi/L	60.47	9.97	EPA-900.0
Technetium-99		3340	pCi/L	55.1	18.4	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	1	mg/L		1	SW846-8260
1,1-Dichloroethane	U	1	mg/L		1	SW846-8260
Bromodichloromethane	U	1	mg/L		1	SW846-8260
Toluene	U	1	mg/L		1	SW846-8260
Total Xylene	U	3	mg/L		3	SW846-8260
Trichloroethene		23	mg/L		0.2	SW846-8260



**MW340**

**GWES00-03**

**SURVEILLANCE QUARTERLY - 3RD QUARTER GWES00-03**

**MW340ESQ3-00**

Collected: 6/5/2000

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.88	Inches/Hg			
Conductivity		452	umho/cm			
Depth to Water		50.63	ft			
Dissolved Oxygen		3.16	mg/L			
pH		5.92	Std Unit			
Temperature		61.7	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Alpha activity	U	0.71	pCi/L	0.16	5.88	EPA-900.0
Beta activity		582.12	pCi/L	23.11	9.98	EPA-900.0
Technetium-99		608	pCi/L	26.2	18.5	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.05	mg/L		0.05	SW846-8260
1,1-Dichloroethane	U	0.05	mg/L		0.05	SW846-8260
Bromodichloromethane	U	0.05	mg/L		0.05	SW846-8260
cis-1,2-Dichloroethene	UX	0.05	mg/L		0.05	SW846-8260
Ethylbenzene	U	0.05	mg/L		0.05	SW846-8260
Tetrachloroethene	U	0.05	mg/L		0.05	SW846-8260
Toluene	U	0.05	mg/L		0.05	SW846-8260
Total Xylene	U	0.075	mg/L		0.075	SW846-8260
trans-1,2-Dichloroethene	U	0.05	mg/L		0.05	SW846-8260
Trichloroethene		0.97	mg/L		0.01	SW846-8260

**MW346**

**GWES00-03**

**SURVEILLANCE QUARTERLY - 3RD QUARTER GWES00-03**

**MW346ESQ3-00**

Collected: 6/21/2000

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.88	Inches/Hg			
Conductivity		544	umho/cm			
Depth to Water		47.35	ft			
Dissolved Oxygen		0.76	mg/L			
pH		7.15	Std Unit			
Temperature		66.7	deg F			
<b>METAL</b>						
Uranium		0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Alpha activity	MU	3.78	pCi/L	1.73	5.19	EPA-900.0
Beta activity		12.62	pCi/L	2.26	8.46	EPA-900.0
Technetium-99	BU	-20.3	pCi/L	0	17.4	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene		0.001	mg/L		0.001	SW846-8260

**MW63**

**GWES00-03**

**SURVEILLANCE QUARTERLY - 3RD QUARTER GWES00-03**

**MW63ESQ3-00**

Collected: 6/8/2000

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		30.09	Inches/Hg			
Conductivity		228	umho/cm			
Depth to Water		48.83	ft			
Dissolved Oxygen		4.97	mg/L			
pH		6.03	Std Unit			
Temperature		65.8	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Alpha activity	U	0.36	pCi/L	0.23	4.47	EPA-900.0
Beta activity	U	3.35	pCi/L	0.7	7.61	EPA-900.0
Technetium-99	U	10	pCi/L	14.6	21.3	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene		0.006	mg/L		0.001	SW846-8260

**MW65**

**GWES00-03**

**SURVEILLANCE QUARTERLY - 3RD QUARTER GWES00-03**

**MW65ESQ3-00**

Collected: 6/8/2000

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		30.09	Inches/Hg			
Conductivity		188	umho/cm			
Depth to Water		48.82	ft			
Dissolved Oxygen		3.87	mg/L			
pH		5.85	Std Unit			
Temperature		64.4	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Alpha activity	U	0.23	pCi/L	0.14	4.83	EPA-900.0
Beta activity		14.95	pCi/L	2.45	8.23	EPA-900.0
Technetium-99	U	3.77	pCi/L	14.4	21.3	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene		0.012	mg/L		0.001	SW846-8260

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**MW185**

**GWES00-04**

## SURVEILLANCE QUARTERLY - 4TH QUARTER GWES00-04

**MW185ESQ4-00**

Collected: 9/13/2000

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		30.09	Inches/Hg			
Conductivity		471	umho/cm			
Depth to Water		50.65	ft			
Dissolved Oxygen		2.2	mg/L			
pH		6.19	Std Unit			
Temperature		63.9	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Alpha activity	U	-2.53	pCi/L	0.38	4.9	EPA-900.0
Beta activity		1150.85	pCi/L	30.61	7.34	EPA-900.0
Technetium-99		1020	pCi/L	32.2	18.2	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	UX	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride		0.041	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene		0.12	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	UX	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene	D	3.7	mg/L		0.04	SW846-8260

**MW186**

**GWES00-04**

**SURVEILLANCE QUARTERLY - 4TH QUARTER GWES00-04**

**MW186ESQ4-00**

Collected: 9/13/2000

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		30.09	Inches/Hg			
Conductivity		1580	umho/cm			
Depth to Water		9.65	ft			
Dissolved Oxygen		0.19	mg/L			
pH		5.68	Std Unit			
Temperature		65.6	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Alpha activity	U	11.97	pCi/L	4.69	13.14	EPA-900.0
Beta activity		87.82	pCi/L	12.09	19.44	EPA-900.0
Technetium-99		24.1	pCi/L	12.8	18.2	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.05	mg/L		0.05	SW846-8260
1,1-Dichloroethane	UX	0.05	mg/L		0.05	SW846-8260
Bromodichloromethane	U	0.05	mg/L		0.05	SW846-8260
cis-1,2-Dichloroethene	D	0.54	mg/L		0.05	SW846-8260
Ethylbenzene	U	0.05	mg/L		0.05	SW846-8260
Tetrachloroethene	U	0.05	mg/L		0.05	SW846-8260
Toluene	U	0.05	mg/L		0.05	SW846-8260
Total Xylene	U	0.15	mg/L		0.15	SW846-8260
trans-1,2-Dichloroethene	U	0.05	mg/L		0.05	SW846-8260
Trichloroethene	D	0.14	mg/L		0.01	SW846-8260
Vinyl chloride	D	0.96	mg/L		0.05	SW846-8260

MW187

GWES00-04

SURVEILLANCE QUARTERLY - 4TH QUARTER GWES00-04

MW187ESQ4-00

Collected: 9/13/2000

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		30.09	Inches/Hg			
Conductivity		886	umho/cm			
Depth to Water		10.51	ft			
Dissolved Oxygen		0.52	mg/L			
pH		6.18	Std Unit			
Temperature		65.2	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Alpha activity	U	1.14	pCi/L	0.69	8.06	EPA-900.0
Beta activity		15.24	pCi/L	3.09	11.59	EPA-900.0
Technetium-99	U	8.9	pCi/L	12.3	18.2	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.05	mg/L		0.05	SW846-8260
1,1-Dichloroethane	U	0.05	mg/L		0.05	SW846-8260
Bromodichloromethane	U	0.05	mg/L		0.05	SW846-8260
cis-1,2-Dichloroethene	UX	0.05	mg/L		0.05	SW846-8260
Ethylbenzene	U	0.05	mg/L		0.05	SW846-8260
Tetrachloroethene	U	0.05	mg/L		0.05	SW846-8260
Toluene	U	0.05	mg/L		0.05	SW846-8260
Total Xylene	U	0.15	mg/L		0.15	SW846-8260
trans-1,2-Dichloroethene	U	0.05	mg/L		0.05	SW846-8260
Trichloroethene	D	0.81	mg/L		0.01	SW846-8260

**MW333**

**GWES00-04**

**SURVEILLANCE QUARTERLY - 4TH QUARTER GWES00-04**

**MW333ESQ4-00**

Collected: 9/12/2000

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.97	Inches/Hg			
Conductivity		204	umho/cm			
Depth to Water		52.98	ft			
Dissolved Oxygen		1.03	mg/L			
pH		5.8	Std Unit			
Temperature		67.1	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Alpha activity	U	2.67	pCi/L	1.26	3.92	EPA-900.0
Beta activity	U	3.97	pCi/L	0.92	5.88	EPA-900.0
Technetium-99	U	9.38	pCi/L	10.5	15.2	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	UX	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene	D	0.14	mg/L		0.002	SW846-8260



**MW337**

**GWES00-04**

**SURVEILLANCE QUARTERLY - 4TH QUARTER GWES00-04**

**MW337ESQ4-00**

Collected: 9/12/2000

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.97	Inches/Hg			
Conductivity		149	umho/cm			
Depth to Water		50.4	ft			
Dissolved Oxygen		5.02	mg/L			
pH		5.51	Std Unit			
Temperature		65.4	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Alpha activity	U	3.09	pCi/L	0.94	3.67	EPA-900.0
Beta activity		112.58	pCi/L	8.08	5.52	EPA-900.0
Technetium-99		129	pCi/L	14.2	15.2	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene		0.044	mg/L		0.001	SW846-8260

**MW338**

**GWES00-04**

**SURVEILLANCE QUARTERLY - 4TH QUARTER GWES00-04**

**MW338ESQ4-00**

Collected: 9/12/2000

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.97	Inches/Hg			
Conductivity		194	umho/cm			
Depth to Water		50.74	ft			
Dissolved Oxygen		6.1	mg/L			
pH		5.47	Std Unit			
Temperature		68.6	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Alpha activity	U	2.6	pCi/L	1.19	3.71	EPA-900.0
Beta activity		8.27	pCi/L	1.63	5.58	EPA-900.0
Technetium-99	U	7.94	pCi/L	10.4	15.2	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene		0.021	mg/L		0.001	SW846-8260

**MW339**

**GWES00-04**

**SURVEILLANCE QUARTERLY - 4TH QUARTER GWES00-04**

**MW339ESQ4-00**

Collected: 9/14/2000

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		30.03	Inches/Hg			
Conductivity		500	umho/cm			
Depth to Water		50.65	ft			
Dissolved Oxygen		3.81	mg/L			
pH		5.83	Std Unit			
Temperature		66.13	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Alpha activity		11.88	pCi/L	0.94	6.2	EPA-900.0
Beta activity		4211.83	pCi/L	58.97	7.93	EPA-900.0
Technetium-99		3770	pCi/L	58.5	18.2	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	1.2	mg/L		1.2	SW846-8260
1,1-Dichloroethane	U	1.2	mg/L		1.2	SW846-8260
Bromodichloromethane	U	1.2	mg/L		1.2	SW846-8260
Toluene	U	1.2	mg/L		1.2	SW846-8260
Total Xylene	U	3.7	mg/L		3.7	SW846-8260
Trichloroethene	D	21	mg/L		0.25	SW846-8260

**MW340**

**GWES00-04**

**SURVEILLANCE QUARTERLY - 4TH QUARTER GWES00-04**

**MW340ESQ4-00**

Collected: 9/27/2000

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		30.27	Inches/Hg			
Conductivity		459	umho/cm			
Depth to Water		51.52	ft			
Dissolved Oxygen		3.34	mg/L			
pH		5.8	Std Unit			
Temperature		63.9	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Alpha activity	U	-2.22	pCi/L	0.47	5.38	EPA-900.0
Beta activity		656.48	pCi/L	23.17	6.73	EPA-900.0
Technetium-99		652	pCi/L	26.3	17.4	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.05	mg/L		0.05	SW846-8260
1,1-Dichloroethane	U	0.05	mg/L		0.05	SW846-8260
Bromodichloromethane	U	0.05	mg/L		0.05	SW846-8260
cis-1,2-Dichloroethene	UX	0.05	mg/L		0.05	SW846-8260
Ethylbenzene	U	0.05	mg/L		0.05	SW846-8260
Tetrachloroethene	U	0.05	mg/L		0.05	SW846-8260
Toluene	U	0.05	mg/L		0.05	SW846-8260
Total Xylene	U	0.15	mg/L		0.15	SW846-8260
trans-1,2-Dichloroethene	U	0.05	mg/L		0.05	SW846-8260
Trichloroethene	D	0.9	mg/L		0.01	SW846-8260

**MW346**

**GWES00-04**

**SURVEILLANCE QUARTERLY - 4TH QUARTER GWES00-04**

**MW346ESQ4-00**

Collected: 9/12/2000

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.94	Inches/Hg			
Conductivity		544	umho/cm			
Depth to Water		49.14	ft			
Dissolved Oxygen		0.71	mg/L			
pH		7.2	Std Unit			
Temperature		66.3	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Alpha activity	U	3.88	pCi/L	1.66	4.52	EPA-900.0
Beta activity		14.06	pCi/L	2.53	6.78	EPA-900.0
Technetium-99		23	pCi/L	10.9	15.2	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene	U	0.001	mg/L		0.001	SW846-8260

**MW63**

**GWES00-04**

**SURVEILLANCE QUARTERLY - 4TH QUARTER GWES00-04**

**MW63ESQ4-00**

Collected: 9/11/2000

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		30.03	Inches/Hg			
Conductivity		263	umho/cm			
Depth to Water		49.36	ft			
Dissolved Oxygen		4.77	mg/L			
pH		6.09	Std Unit			
Temperature		67	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Alpha activity	U	1.05	pCi/L	0.53	3.24	EPA-900.0
Beta activity		50.82	pCi/L	5.38	6.34	EPA-900.0
Technetium-99	U	12.4	pCi/L	10.5	15.2	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene		0.002	mg/L		0.001	SW846-8260

**MW65**

**GWES00-04**

**SURVEILLANCE QUARTERLY - 4TH QUARTER GWES00-04**

**MW65ESQ4-00**

Collected: 9/11/2000

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		30.03	Inches/Hg			
Conductivity		189	umho/cm			
Depth to Water		49.48	ft			
Dissolved Oxygen		3.77	mg/L			
pH		5.88	Std Unit			
Temperature		65.5	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Alpha activity	U	-0.06	pCi/L	0.04	3.93	EPA-900.0
Beta activity		16.54	pCi/L	2.7	5.91	EPA-900.0
Technetium-99		30.4	pCi/L	11.2	15.2	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene		0.013	mg/L		0.001	SW846-8260

**MW180**

**GWES00-06**

**SURVEILLANCE ANNUAL MONITORING GWES00-06**

**MW180ESA-00**

Collected: 3/16/2000

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.83	Inches/Hg			
Conductivity		814	umho/cm			
Depth to Water		19.29	ft			
Dissolved Oxygen		2.9	mg/L			
pH		6.8	Std Unit			
Temperature		60.3	deg F			
<b>METAL</b>						
Uranium		0.002	mg/L		0.001	IN7105
<b>RADS</b>						
Alpha activity	U	-2.81	pCi/L	1.78	9.13	EPA-900.0
Americium-241	U	-3.22	pCi/L	6.43	77.7	RL-7124
Beta activity		50.53	pCi/L	6.44	7.38	EPA-900.0
Cesium-134	U	-2.28	pCi/L	4.57	15.5	RL-7124
Cesium-137	U	-2.18	pCi/L	4.36	18.1	RL-7124
Cobalt-60	U	-5.53	pCi/L	11.1	15.6	RL-7124
Dissolved Alpha	U	5.18	pCi/L	2.68	7.84	EPA-900.0
Dissolved Beta		44.86	pCi/L	6.86	14.39	EPA-900.0
Neptunium-237	U	0.04	pCi/L	0.03	0.494	RL-7103
Plutonium-238	U	-0.0411	pCi/L	0.0876	0.265	RL-7120
Plutonium-239/240	U	-0.0057	pCi/L	0.0279	0.235	RL-7120
Potassium-40		361	pCi/L	191	122	RL-7124
Suspended Alpha	U	-0.27	pCi/L	0.32	4.32	EPA-900.0
Suspended Beta	U	1.09	pCi/L	0.28	8.43	EPA-900.0
Technetium-99		35	pCi/L	11.8	15.7	RL-7100
Thorium-228	U	0.0567	pCi/L	0.113	0.27	RL-7120
Thorium-230	U	-0.0299	pCi/L	0.119	0.643	RL-7120
Thorium-232	U	-0.0281	pCi/L	0.0688	0.385	RL-7120
Uranium-235	U	0	pCi/L	0	0.932	RL-7124



MW182

GWES00-06

SURVEILLANCE ANNUAL MONITORING GWES00-06

MW182ESA-00

Collected: 3/16/2000

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.83	Inches/Hg			
Conductivity		1071	umho/cm			
Depth to Water		13.88	ft			
Dissolved Oxygen		0.81	mg/L			
pH		6.4	Std Unit			
Temperature		58.9	deg F			
<b>METAL</b>						
Uranium		0.6	mg/L		0.001	IN7105
Uranium		0.54	mg/L			AS7300
<b>RADS</b>						
Alpha activity		213.97	pCi/L	23.92	12.71	EPA-900.0
Americium-241	U	-38.7	pCi/L	77.4	82.4	RL-7124
Beta activity		283.44	pCi/L	16.89	7.98	EPA-900.0
Cesium-134	U	-5.74	pCi/L	11.5	17	RL-7124
Cesium-137	U	-6.5	pCi/L	13	18.3	RL-7124
Cobalt-60	U	-0.737	pCi/L	1.48	16.3	RL-7124
Dissolved Alpha		208.53	pCi/L	23.54	8.28	EPA-900.0
Dissolved Beta		273.63	pCi/L	20.14	14.89	EPA-900.0
Neptunium-237	U	0.17	pCi/L	0.1	0.494	RL-7103
Plutonium-238	U	-0.0498	pCi/L	0.0936	0.265	RL-7120
Plutonium-239/240	U	0.0691	pCi/L	0.0544	0.236	RL-7120
Potassium-40		254	pCi/L	193	155	RL-7124
Suspended Alpha	U	2.29	pCi/L	1.38	4.11	EPA-900.0
Suspended Beta	U	1.43	pCi/L	0.36	8.03	EPA-900.0
Technetium-99		47.8	pCi/L	12.9	15.7	RL-7100
Thorium-228	U	0.0403	pCi/L	0.0581	0.214	RL-7120
Thorium-230	U	0.266	pCi/L	0.119	0.594	RL-7120
Thorium-232	U	0.008	pCi/L	0.0619	0.339	RL-7120
Uranium-235		0.531	wt %			AS7300
Uranium-235	U	0	pCi/L	0	0.942	RL-7124

**MW346**

**GWES00-13**

**SURVEILLANCE QUARTERLY - Special Sampling**

**MW346Q1-00**

Collected: 11/4/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		30.15	Inches/Hg			
Conductivity		511	umho/cm			
Depth to Water		48.28	ft			
Dissolved Oxygen		0.48	mg/L			
pH		7.1	Std Unit			
Temperature		60.6	deg F			
<b>METAL</b>						
Uranium		0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Alpha activity	X	4.78	pCi/L	2.32	3.97	EPA-900.0
Beta activity	A	6.86	pCi/L	1.4	8.04	EPA-900.0
Technetium-99	A	-2.73	pCi/L	0	19.2	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	UY	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	JU	0.005	mg/L		0.005	SW846-8260
Trichloroethene	U	0.001	mg/L		0.001	SW846-8260

**MW185**

**GWES01-01**

**SURVEILLANCE QUARTERLY - 1ST QUARTER GWES01-01**

**MW185ESQ1-01**

Collected: 12/20/2000

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.74	Inches/Hg			
Conductivity		440	umho/cm			
Depth to Water		52.3	ft			
Dissolved Oxygen		2.39	mg/L			
pH		6.11	Std Unit			
Temperature		58.7	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Alpha activity		21.3	pCi/L	3.55	8.62	EPA-900.0
Beta activity		586	pCi/L	16.7	4.62	EPA-900.0
Technetium-99		1260	pCi/L	37.1	19.4	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	UX	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride		0.036	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene		0.1	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	UX	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene	DX	4.2	mg/L		0.05	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260

**MW186**

**GWES01-01**

**SURVEILLANCE QUARTERLY - 1ST QUARTER GWES01-01**

**MW186ESQ1-01**

Collected: 12/20/2000

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.74	Inches/Hg			
Conductivity		16	umho/cm			
Depth to Water		10.51	ft			
Dissolved Oxygen		0.42	mg/L			
pH		5.88	Std Unit			
Temperature		61.5	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Alpha activity	U	6.61	pCi/L	3.21	22.8	EPA-900.0
Beta activity		48.2	pCi/L	6.48	11.2	EPA-900.0
Technetium-99		37.9	pCi/L	14.3	19.4	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane		0.011	mg/L		0.005	SW846-8260
1,2-Dichloroethane	UX	0.005	mg/L		0.005	SW846-8260
Benzene		0.007	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	DEX	0.41	mg/L		0.01	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	UX	0.005	mg/L		0.005	SW846-8260
Total Xylene	UX	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	UX	0.005	mg/L		0.005	SW846-8260
Trichloroethene		0.11	mg/L		0.001	SW846-8260
Vinyl chloride	DEX	0.56	mg/L		0.004	SW846-8260

**MW186**

**GWES01-01**

**SURVEILLANCE QUARTERLY - 1ST QUARTER GWES01-01**

**MW186DESQ1-01**

Collected: 12/20/2000

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.74	Inches/Hg			
Conductivity		16	umho/cm			
Depth to Water		10.51	ft			
Dissolved Oxygen		0.42	mg/L			
pH		5.88	Std Unit			
Temperature		61.5	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Alpha activity	U	-0.34	pCi/L	0.196	22.8	EPA-900.0
Beta activity		49.2	pCi/L	6.55	11.2	EPA-900.0
Technetium-99		31.5	pCi/L	14.1	19.4	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane		0.011	mg/L		0.005	SW846-8260
1,2-Dichloroethane	UX	0.005	mg/L		0.005	SW846-8260
Benzene		0.007	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	DEX	0.42	mg/L		0.01	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	UX	0.005	mg/L		0.005	SW846-8260
Total Xylene	UX	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	UX	0.005	mg/L		0.005	SW846-8260
Trichloroethene		0.12	mg/L		0.001	SW846-8260
Vinyl chloride	DEX	0.59	mg/L		0.004	SW846-8260

MW187

GWES01-01

SURVEILLANCE QUARTERLY - 1ST QUARTER GWES01-01

MW187ESQ1-01

Collected: 12/20/2000

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.74	Inches/Hg			
Conductivity		891	umho/cm			
Depth to Water		9.07	ft			
Dissolved Oxygen		2.59	mg/L			
pH		6.2	Std Unit			
Temperature		57.9	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Alpha activity	U	2.13	pCi/L	1.18	11.8	EPA-900.0
Beta activity		7.87	pCi/L	1.51	5.89	EPA-900.0
Technetium-99	U	7.37	pCi/L	13.2	19.4	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.05	mg/L		0.05	SW846-8260
1,1-Dichloroethane	U	0.05	mg/L		0.05	SW846-8260
Bromodichloromethane	U	0.05	mg/L		0.05	SW846-8260
cis-1,2-Dichloroethene		0.068	mg/L		0.05	SW846-8260
Ethylbenzene	U	0.05	mg/L		0.05	SW846-8260
Tetrachloroethene	U	0.05	mg/L		0.05	SW846-8260
Toluene	U	0.05	mg/L		0.05	SW846-8260
Total Xylene	U	0.15	mg/L		0.15	SW846-8260
trans-1,2-Dichloroethene	U	0.05	mg/L		0.05	SW846-8260
Trichloroethene		1.1	mg/L		0.01	SW846-8260

**MW333**

**GWES01-01**

**SURVEILLANCE QUARTERLY - 1ST QUARTER GWES01-01**

**MW333ESQ1-01**

Collected: 12/18/2000

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.59	Inches/Hg			
Conductivity		188	umho/cm			
Depth to Water		54.55	ft			
Dissolved Oxygen		1.8	mg/L			
pH		6	Std Unit			
Temperature		54.5	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Alpha activity	U	0.462	pCi/L	0.462	5.49	EPA-900.0
Beta activity	U	0.604	pCi/L	0.173	4.06	EPA-900.0
Technetium-99	U	3.24	pCi/L	10.9	16.4	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.01	mg/L		0.01	SW846-8260
1,1,2-Trichloroethane	U	0.01	mg/L		0.01	SW846-8260
1,1-Dichloroethane	U	0.01	mg/L		0.01	SW846-8260
1,2-Dichloroethane	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.01	mg/L		0.01	SW846-8260
Bromodichloromethane	U	0.01	mg/L		0.01	SW846-8260
Carbon tetrachloride	U	0.01	mg/L		0.01	SW846-8260
cis-1,2-Dichloroethene	UX	0.01	mg/L		0.01	SW846-8260
Ethylbenzene	U	0.01	mg/L		0.01	SW846-8260
Tetrachloroethene	U	0.01	mg/L		0.01	SW846-8260
Toluene	U	0.01	mg/L		0.01	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.01	mg/L		0.01	SW846-8260
Trichloroethene		0.11	mg/L		0.002	SW846-8260

**MW337**

**GWES01-01**

**SURVEILLANCE QUARTERLY - 1ST QUARTER GWES01-01**

**MW337ESQ1-01**

Collected: 12/18/2000

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.59	Inches/Hg			
Conductivity		136	umho/cm			
Depth to Water		51.94	ft			
Dissolved Oxygen		4.19	mg/L			
pH		5.8	Std Unit			
Temperature		56	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Alpha activity	U	-0.451	pCi/L	0.241	4.3	EPA-900.0
Beta activity		75.1	pCi/L	5.64	3.79	EPA-900.0
Technetium-99		124	pCi/L	14.7	16.4	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	UX	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene		0.05	mg/L		0.001	SW846-8260
Vinyl chloride	JU	0.002	mg/L		0.002	SW846-8260



MW338

GWES01-01

## SURVEILLANCE QUARTERLY - 1ST QUARTER GWES01-01

MW338ESQ1-01

Collected: 12/18/2000

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.59	Inches/Hg			
Conductivity		176	umho/cm			
Depth to Water		52.19	ft			
Dissolved Oxygen		4.96	mg/L			
pH		5.7	Std Unit			
Temperature		52.7	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Alpha activity	U	3.14	pCi/L	1.81	4.16	EPA-900.0
Beta activity		5.38	pCi/L	1.12	3.77	EPA-900.0
Technetium-99	U	7.73	pCi/L	11.1	16.4	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene	U	0.001	mg/L		0.001	SW846-8260
Vinyl chloride	JU	0.002	mg/L		0.002	SW846-8260

**MW339**

**GWES01-01**

**SURVEILLANCE QUARTERLY - 1ST QUARTER GWES01-01**

**MW339ESQ1-01**

Collected: 12/21/2000

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.71	Inches/Hg			
Conductivity		462	umho/cm			
Depth to Water		52.41	ft			
Dissolved Oxygen		4.21	mg/L			
pH		5.82	Std Unit			
Temperature		55.3	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Alpha activity		56.9	pCi/L	5.43	10.7	EPA-900.0
Beta activity		2420	pCi/L	36.3	5.23	EPA-900.0
Technetium-99		4610	pCi/L	67.7	19.4	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	1.2	mg/L		1.2	SW846-8260
1,1-Dichloroethane	U	1.2	mg/L		1.2	SW846-8260
Bromodichloromethane	U	1.2	mg/L		1.2	SW846-8260
Toluene	U	1.2	mg/L		1.2	SW846-8260
Total Xylene	U	3.7	mg/L		3.7	SW846-8260
Trichloroethene		21	mg/L		0.25	SW846-8260

**MW340**

**GWES01-01**

**SURVEILLANCE QUARTERLY - 1ST QUARTER GWES01-01**

**MW340ESQ1-01**

Collected: 12/12/2000

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		30.06	Inches/Hg			
Conductivity		455	umho/cm			
Depth to Water		53.14	ft			
Dissolved Oxygen		4.05	mg/L			
pH		5.92	Std Unit			
Temperature		59.3	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Alpha activity		9.9	pCi/L	2.09	6.86	EPA-900.0
Beta activity		420	pCi/L	14.3	4.92	EPA-900.0
Technetium-99		684	pCi/L	28.6	19.7	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.05	mg/L		0.05	SW846-8260
1,1-Dichloroethane	U	0.05	mg/L		0.05	SW846-8260
Bromodichloromethane	U	0.05	mg/L		0.05	SW846-8260
cis-1,2-Dichloroethene	UX	0.05	mg/L		0.05	SW846-8260
Ethylbenzene	U	0.05	mg/L		0.05	SW846-8260
Tetrachloroethene	U	0.05	mg/L		0.05	SW846-8260
Toluene	U	0.05	mg/L		0.05	SW846-8260
Total Xylene	U	0.15	mg/L		0.15	SW846-8260
trans-1,2-Dichloroethene	U	0.05	mg/L		0.05	SW846-8260
Trichloroethene		1	mg/L		0.01	SW846-8260

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MW346

GWES01-01

SURVEILLANCE QUARTERLY - 1ST QUARTER GWES01-01

MW346ESQ1-01

Collected: 12/18/2000

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.59	Inches/Hg			
Conductivity		525	umho/cm			
Depth to Water		49.7	ft			
Dissolved Oxygen		0.28	mg/L			
pH		7.21	Std Unit			
Temperature		54.8	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Alpha activity		10.9	pCi/L	4.56	6.32	EPA-900.0
Beta activity		9.65	pCi/L	1.77	4.33	EPA-900.0
Technetium-99	U	15.4	pCi/L	11.3	16.4	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene	U	0.001	mg/L		0.001	SW846-8260
Vinyl chloride	JU	0.002	mg/L		0.002	SW846-8260

**MW63**

**GWES01-01**

**SURVEILLANCE QUARTERLY - 1ST QUARTER GWES01-01**

**MW63ESQ1-01**

Collected: 12/11/2000

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.75	Inches/Hg			
Conductivity		257	umho/cm			
Depth to Water		50.44	ft			
Dissolved Oxygen		4.67	mg/L			
pH		6.07	Std Unit			
Temperature		61	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Alpha activity	U	1.61	pCi/L	1.02	5.15	EPA-900.0
Beta activity		5.26	pCi/L	1.01	4.51	EPA-900.0
Technetium-99	U	12.9	pCi/L	13.4	19.7	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene		0.004	mg/L		0.001	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260

**MW65**

**GWES01-01**

**SURVEILLANCE QUARTERLY - 1ST QUARTER GWES01-01**

**MW65ESQ1-01**

Collected: 12/11/2000

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.75	Inches/Hg			
Conductivity		187	umho/cm			
Depth to Water		50.55	ft			
Dissolved Oxygen		4.06	mg/L			
pH		5.94	Std Unit			
Temperature		61.8	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Alpha activity	U	1.84	pCi/L	1.06	4.67	EPA-900.0
Beta activity		10.4	pCi/L	1.67	4.42	EPA-900.0
Technetium-99	U	15.6	pCi/L	13.5	19.7	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	UX	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene		0.017	mg/L		0.001	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260

**MW185**

**GWES01-02**

**SURVEILLANCE QUARTERLY - 2ND QUARTER GWES01-02**

**MW185ESQ2-01**

Collected: 3/14/2001

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.56	Inches/Hg			
Conductivity		517	umho/cm			
Depth to Water		51.31	ft			
Dissolved Oxygen		1.9	mg/L			
pH		6.3	Std Unit			
Temperature		61.9	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Alpha activity	U	0.0417	pCi/L	0.0094	7.36	EPA-900.0
Beta activity		420	pCi/L	14.5	4.89	EPA-900.0
Technetium-99		932	pCi/L	30.3	17.9	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.25	mg/L		0.25	SW846-8260
1,1-Dichloroethane	U	0.25	mg/L		0.25	SW846-8260
Bromodichloromethane	U	0.25	mg/L		0.25	SW846-8260
cis-1,2-Dichloroethene		0.25	mg/L		0.25	SW846-8260
Ethylbenzene	U	0.25	mg/L		0.25	SW846-8260
Toluene	U	0.25	mg/L		0.25	SW846-8260
Total Xylene	U	0.75	mg/L		0.75	SW846-8260
trans-1,2-Dichloroethene	U	0.25	mg/L		0.25	SW846-8260
Trichloroethene		3.9	mg/L		0.05	SW846-8260

**MW186**

**GWES01-02**

**SURVEILLANCE QUARTERLY - 2ND QUARTER GWES01-02**

**MW186ESQ2-01**

Collected: 3/20/2001

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.65	Inches/Hg			
Conductivity		1640	umho/cm			
Depth to Water		9.05	ft			
Dissolved Oxygen		0.47	mg/L			
pH		5.86	Std Unit			
Temperature		56.5	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Alpha activity	U	4.02	pCi/L	2.54	16.9	EPA-900.0
Beta activity		43.2	pCi/L	6.44	11.1	EPA-900.0
Technetium-99		19.9	pCi/L	11.2	15.7	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.025	mg/L		0.025	SW846-8260
1,1-Dichloroethane	UX	0.025	mg/L		0.025	SW846-8260
Benzene	UX	0.025	mg/L		0.025	SW846-8260
Bromodichloromethane	U	0.025	mg/L		0.025	SW846-8260
cis-1,2-Dichloroethene		0.58	mg/L		0.025	SW846-8260
Ethylbenzene	U	0.025	mg/L		0.025	SW846-8260
Tetrachloroethene	U	0.025	mg/L		0.025	SW846-8260
Toluene	UX	0.025	mg/L		0.025	SW846-8260
Total Xylene	UX	0.075	mg/L		0.075	SW846-8260
trans-1,2-Dichloroethene	U	0.025	mg/L		0.025	SW846-8260
Trichloroethene		0.13	mg/L		0.005	SW846-8260
Vinyl chloride	D	0.89	mg/L		0.02	SW846-8260



**MW187**

**GWES01-02**

**SURVEILLANCE QUARTERLY - 2ND QUARTER GWES01-02**

**MW187ESQ2-01**

Collected: 3/14/2001

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.59	Inches/Hg			
Conductivity		892	umho/cm			
Depth to Water		7.9	ft			
Dissolved Oxygen		2.22	mg/L			
pH		6.25	Std Unit			
Temperature		58.1	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Alpha activity	U	4.93	pCi/L	2.73	9.02	EPA-900.0
Beta activity	U	5.53	pCi/L	1.13	5.75	EPA-900.0
Technetium-99	U	-5.07	pCi/L	0	17.9	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.05	mg/L		0.05	SW846-8260
1,1-Dichloroethane	U	0.05	mg/L		0.05	SW846-8260
Bromodichloromethane	U	0.05	mg/L		0.05	SW846-8260
cis-1,2-Dichloroethene	UX	0.05	mg/L		0.05	SW846-8260
Ethylbenzene	U	0.05	mg/L		0.05	SW846-8260
Tetrachloroethene	U	0.05	mg/L		0.05	SW846-8260
Toluene	U	0.05	mg/L		0.05	SW846-8260
Total Xylene	U	0.15	mg/L		0.15	SW846-8260
trans-1,2-Dichloroethene	U	0.05	mg/L		0.05	SW846-8260
Trichloroethene		1.1	mg/L		0.01	SW846-8260

**MW187**

**GWES01-02**

**SURVEILLANCE QUARTERLY - 2ND QUARTER GWES01-02**

**MW187DESQ2-01**

Collected: 3/14/2001

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.59	Inches/Hg			
Conductivity		892	umho/cm			
Depth to Water		7.9	ft			
Dissolved Oxygen		2.22	mg/L			
pH		6.25	Std Unit			
Temperature		58.1	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Alpha activity	U	2.58	pCi/L	1.72	8.98	EPA-900.0
Beta activity	U	1.49	pCi/L	0.358	5.72	EPA-900.0
Technetium-99	U	-7.66	pCi/L	0	17.9	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.05	mg/L		0.05	SW846-8260
1,1-Dichloroethane	U	0.05	mg/L		0.05	SW846-8260
Bromodichloromethane	U	0.05	mg/L		0.05	SW846-8260
cis-1,2-Dichloroethene	UX	0.05	mg/L		0.05	SW846-8260
Ethylbenzene	U	0.05	mg/L		0.05	SW846-8260
Tetrachloroethene	U	0.05	mg/L		0.05	SW846-8260
Toluene	U	0.05	mg/L		0.05	SW846-8260
Total Xylene	U	0.15	mg/L		0.15	SW846-8260
trans-1,2-Dichloroethene	U	0.05	mg/L		0.05	SW846-8260
Trichloroethene		1	mg/L		0.01	SW846-8260

**MW333**

**GWES01-02**

**SURVEILLANCE QUARTERLY - 2ND QUARTER GWES01-02**

**MW333ESQ2-01**

Collected: 3/19/2001

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.77	Inches/Hg			
Conductivity		209	umho/cm			
Depth to Water		54.49	ft			
Dissolved Oxygen		1.32	mg/L			
pH		5.96	Std Unit			
Temperature		60.3	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Alpha activity	U	-0.5	pCi/L	0.447	6.05	EPA-900.0
Beta activity	U	0.794	pCi/L	0.205	4.16	EPA-900.0
Technetium-99	U	8.5	pCi/L	11.5	16.6	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	UX	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene		0.008	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene	D	0.31	mg/L		0.005	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260

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**MW337**

**GWES01-02**

## SURVEILLANCE QUARTERLY - 2ND QUARTER GWES01-02

**MW337ESQ2-01**

Collected: 3/19/2001

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.71	Inches/Hg			
Conductivity		173	umho/cm			
Depth to Water		51.85	ft			
Dissolved Oxygen		4.33	mg/L			
pH		5.77	Std Unit			
Temperature		62.4	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Alpha activity	U	1.05	pCi/L	0.413	5.59	EPA-900.0
Beta activity		81.1	pCi/L	5.8	4.08	EPA-900.0
Technetium-99		147	pCi/L	15.6	16.6	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	UX	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene		0.09	mg/L		0.001	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260

**MW338**

**GWES01-02**

**SURVEILLANCE QUARTERLY - 2ND QUARTER GWES01-02**

**MW338ESQ2-01**

Collected: 3/19/2001

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.68	Inches/Hg			
Conductivity		186	umho/cm			
Depth to Water		52.07	ft			
Dissolved Oxygen		5.63	mg/L			
pH		5.7	Std Unit			
Temperature		61.8	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Alpha activity	U	-0.418	pCi/L	0.374	5.16	EPA-900.0
Beta activity	U	0.657	pCi/L	0.171	4.01	EPA-900.0
Technetium-99	U	0.481	pCi/L	10.9	16.6	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene		0.005	mg/L		0.001	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260

**MW340**

**GWES01-02**

**SURVEILLANCE QUARTERLY - 2ND QUARTER GWES01-02**

**MW340ESQ2-01**

Collected: 3/14/2001

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.56	Inches/Hg			
Conductivity		468	umho/cm			
Depth to Water		51.83	ft			
Dissolved Oxygen		2.22	mg/L			
pH		5.9	Std Unit			
Temperature		61.9	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Alpha activity	U	2.63	pCi/L	0.596	7.38	EPA-900.0
Beta activity		389	pCi/L	13.9	4.9	EPA-900.0
Technetium-99		584	pCi/L	25.1	17.9	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.05	mg/L		0.05	SW846-8260
1,1-Dichloroethane	U	0.05	mg/L		0.05	SW846-8260
Bromodichloromethane	U	0.05	mg/L		0.05	SW846-8260
cis-1,2-Dichloroethene	UX	0.05	mg/L		0.05	SW846-8260
Ethylbenzene	U	0.05	mg/L		0.05	SW846-8260
Tetrachloroethene	U	0.05	mg/L		0.05	SW846-8260
Toluene	U	0.05	mg/L		0.05	SW846-8260
Total Xylene	U	0.15	mg/L		0.15	SW846-8260
trans-1,2-Dichloroethene	U	0.05	mg/L		0.05	SW846-8260
Trichloroethene		0.98	mg/L		0.01	SW846-8260

**MW346**

**GWES01-02**

**SURVEILLANCE QUARTERLY - 2ND QUARTER GWES01-02**

**MW346ESQ2-01**

Collected: 3/8/2001

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.59	Inches/Hg			
Conductivity		537	umho/cm			
Depth to Water		46.88	ft			
Dissolved Oxygen		0.39	mg/L			
pH		7.4	Std Unit			
Temperature		59.5	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Alpha activity		14.2	pCi/L	5.09	4.97	EPA-900.0
Beta activity		8.32	pCi/L	1.56	4.41	EPA-900.0
Technetium-99	U	16.7	pCi/L	12.6	17.9	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene	U	0.001	mg/L		0.001	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260

**MW63**

**GWES01-02**

**SURVEILLANCE QUARTERLY - 2ND QUARTER GWES01-02**

**MW63ESQ2-01**

Collected: 3/6/2001

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.8	Inches/Hg			
Conductivity		219	umho/cm			
Depth to Water		50.83	ft			
Dissolved Oxygen		4.61	mg/L			
pH		6.1	Std Unit			
Temperature		59.5	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Alpha activity		4.53	pCi/L	2.34	3.98	EPA-900.0
Beta activity		11.9	pCi/L	2.01	3.59	EPA-900.0
Technetium-99	U	11.8	pCi/L	9.4	17.6	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene		0.011	mg/L		0.001	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260



**MW65**

**GWES01-02**

**SURVEILLANCE QUARTERLY - 2ND QUARTER GWES01-02**

**MW65ESQ2-01**

Collected: 3/6/2001

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.8	Inches/Hg			
Conductivity		180	umho/cm			
Depth to Water		50.82	ft			
Dissolved Oxygen		3.28	mg/L			
pH		5.9	Std Unit			
Temperature		58.9	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Alpha activity		4.69	pCi/L	2.35	3.95	EPA-900.0
Beta activity		14.5	pCi/L	2.28	3.59	EPA-900.0
Technetium-99	U	15.3	pCi/L	12.5	17.6	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	UX	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene		0.019	mg/L		0.001	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260

**MW185**

**GWES01-03**

**SURVEILLANCE QUARTERLY - 3RD QUARTER GWES01-03**

**MW185ESQ3-01**

Collected: 6/5/2001

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.56	Inches/Hg			
Conductivity		524	umho/cm			
Depth to Water		50.3	ft			
Dissolved Oxygen		1.71	mg/L			
pH		6.37	Std Unit			
Temperature		64.9	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Alpha activity	U	2.74	pCi/L	0.503	5.44	EPA-900.0
Beta activity		660	pCi/L	18.9	5.55	EPA-900.0
Technetium-99	D	983	pCi/L	34.8	22.3	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.25	mg/L		0.25	SW846-8260
1,1-Dichloroethane	U	0.25	mg/L		0.25	SW846-8260
Bromodichloromethane	U	0.25	mg/L		0.25	SW846-8260
cis-1,2-Dichloroethene	D	0.27	mg/L		0.25	SW846-8260
Ethylbenzene	U	0.25	mg/L		0.25	SW846-8260
Toluene	U	0.25	mg/L		0.25	SW846-8260
Total Xylene	U	0.75	mg/L		0.75	SW846-8260
trans-1,2-Dichloroethene	U	0.25	mg/L		0.25	SW846-8260
Trichloroethene	D	3.6	mg/L		0.05	SW846-8260

**MW186**

**GWES01-03**

**SURVEILLANCE QUARTERLY - 3RD QUARTER GWES01-03**

**MW186ESQ3-01**

Collected: 6/5/2001

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.56	Inches/Hg			
Conductivity		1530	umho/cm			
Depth to Water		8.56	ft			
Dissolved Oxygen		0	mg/L			
pH		5.71	Std Unit			
Temperature		63.3	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Alpha activity	U	0.849	pCi/L	0.566	14.8	EPA-900.0
Beta activity		51.5	pCi/L	7.03	12.5	EPA-900.0
Technetium-99	DU	5.89	pCi/L	15.2	22.3	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.025	mg/L		0.025	SW846-8260
1,1-Dichloroethane	UX	0.025	mg/L		0.025	SW846-8260
Benzene	UX	0.025	mg/L		0.025	SW846-8260
Bromodichloromethane	U	0.025	mg/L		0.025	SW846-8260
cis-1,2-Dichloroethene	D	0.42	mg/L		0.025	SW846-8260
Ethylbenzene	U	0.025	mg/L		0.025	SW846-8260
Tetrachloroethene	U	0.025	mg/L		0.025	SW846-8260
Toluene	U	0.025	mg/L		0.025	SW846-8260
Total Xylene	UX	0.075	mg/L		0.075	SW846-8260
trans-1,2-Dichloroethene	U	0.025	mg/L		0.025	SW846-8260
Trichloroethene	D	0.11	mg/L		0.005	SW846-8260
Vinyl chloride	DE	0.74	mg/L		0.01	SW846-8260

MW187

GWES01-03

**SURVEILLANCE QUARTERLY - 3RD QUARTER GWES01-03**

MW187ESQ3-01

Collected: 6/5/2001

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.53	Inches/Hg			
Conductivity		862	umho/cm			
Depth to Water		8.17	ft			
Dissolved Oxygen		0.09	mg/L			
pH		6.16	Std Unit			
Temperature		63.5	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Alpha activity	U	0.824	pCi/L	0.623	9.23	EPA-900.0
Beta activity	U	7.37	pCi/L	1.46	8.02	EPA-900.0
Technetium-99	DU	0	pCi/L	0	22.3	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.05	mg/L		0.05	SW846-8260
1,1-Dichloroethane	U	0.05	mg/L		0.05	SW846-8260
Bromodichloromethane	U	0.05	mg/L		0.05	SW846-8260
cis-1,2-Dichloroethene	UX	0.05	mg/L		0.05	SW846-8260
Ethylbenzene	U	0.05	mg/L		0.05	SW846-8260
Tetrachloroethene	U	0.05	mg/L		0.05	SW846-8260
Toluene	U	0.05	mg/L		0.05	SW846-8260
Total Xylene	U	0.15	mg/L		0.15	SW846-8260
trans-1,2-Dichloroethene	U	0.05	mg/L		0.05	SW846-8260
Trichloroethene	D	1.1	mg/L		0.01	SW846-8260

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**MW333**

**GWES01-03**

## SURVEILLANCE QUARTERLY - 3RD QUARTER GWES01-03

**MW333ESQ3-01**

Collected: 6/6/2001

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.56	Inches/Hg			
Conductivity		214	umho/cm			
Depth to Water		53.05	ft			
Dissolved Oxygen		0.91	mg/L			
pH		5.7	Std Unit			
Temperature		64.5	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Alpha activity	U	1.62	pCi/L	0.932	3.46	EPA-900.0
Beta activity		4.76	pCi/L	0.952	4.33	EPA-900.0
Technetium-99	U	-0.303	pCi/L	0	18.9	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.025	mg/L		0.025	SW846-8260
1,1-Dichloroethane	U	0.025	mg/L		0.025	SW846-8260
Benzene	U	0.025	mg/L		0.025	SW846-8260
Bromodichloromethane	U	0.025	mg/L		0.025	SW846-8260
cis-1,2-Dichloroethene	UX	0.025	mg/L		0.025	SW846-8260
Ethylbenzene	U	0.025	mg/L		0.025	SW846-8260
Tetrachloroethene	U	0.025	mg/L		0.025	SW846-8260
Toluene	U	0.025	mg/L		0.025	SW846-8260
Total Xylene	U	0.075	mg/L		0.075	SW846-8260
trans-1,2-Dichloroethene	U	0.025	mg/L		0.025	SW846-8260
Trichloroethene	D	0.23	mg/L		0.005	SW846-8260

**MW337**

**GWES01-03**

**SURVEILLANCE QUARTERLY - 3RD QUARTER GWES01-03**

**MW337ESQ3-01**

Collected: 6/6/2001

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.53	Inches/Hg			
Conductivity		175	umho/cm			
Depth to Water		50.55	ft			
Dissolved Oxygen		3.85	mg/L			
pH		5.58	Std Unit			
Temperature		65.2	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Alpha activity	U	0.921	pCi/L	0.361	3.57	EPA-900.0
Beta activity		97.6	pCi/L	6.47	4.37	EPA-900.0
Technetium-99		98.5	pCi/L	15.8	18.9	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	UX	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	UX	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene		0.097	mg/L		0.001	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260

**MW338**

**GWES01-03**

**SURVEILLANCE QUARTERLY - 3RD QUARTER GWES01-03**

**MW338ESQ3-01**

Collected: 6/6/2001

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.53	Inches/Hg			
Conductivity		186	umho/cm			
Depth to Water		50.81	ft			
Dissolved Oxygen		4.58	mg/L			
pH		5.5	Std Unit			
Temperature		64.6	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Alpha activity	U	0.866	pCi/L	0.577	3.28	EPA-900.0
Beta activity	U	2.9	pCi/L	0.632	4.26	EPA-900.0
Technetium-99	U	-3.53	pCi/L	0	18.7	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene		0.008	mg/L		0.001	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260

**MW339**

**GWES01-03**

**SURVEILLANCE QUARTERLY - 3RD QUARTER GWES01-03**

**MW339ESQ3-01**

Collected: 6/20/2001

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.71	Inches/Hg			
Conductivity		522	umho/cm			
Depth to Water		50.6	ft			
Dissolved Oxygen		4.58	mg/L			
pH		5.63	Std Unit			
Temperature		65.4	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Alpha activity		56.6	pCi/L	5.16	3.48	EPA-900.0
Beta activity		2090	pCi/L	32.9	5.03	EPA-900.0
Technetium-99		3740	pCi/L	60.5	21.1	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	1	mg/L		1	SW846-8260
1,1-Dichloroethane	U	1	mg/L		1	SW846-8260
Bromodichloromethane	U	1	mg/L		1	SW846-8260
Toluene	U	1	mg/L		1	SW846-8260
Total Xylene	U	3	mg/L		3	SW846-8260
Trichloroethene	D	19	mg/L		0.2	SW846-8260



**MW340**

**GWES01-03**

**SURVEILLANCE QUARTERLY - 3RD QUARTER GWES01-03**

**MW340ESQ3-01**

Collected: 6/7/2001

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.5	Inches/Hg			
Conductivity		460	umho/cm			
Depth to Water		50.91	ft			
Dissolved Oxygen		3.45	mg/L			
pH		5.86	Std Unit			
Temperature		64.9	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Alpha activity	U	1.29	pCi/L	0.297	5.5	EPA-900.0
Beta activity		451	pCi/L	15.6	5.25	EPA-900.0
Technetium-99		625	pCi/L	26.8	18.7	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.05	mg/L		0.05	SW846-8260
1,1-Dichloroethane	U	0.05	mg/L		0.05	SW846-8260
Bromodichloromethane	U	0.05	mg/L		0.05	SW846-8260
cis-1,2-Dichloroethene	UX	0.05	mg/L		0.05	SW846-8260
Ethylbenzene	U	0.05	mg/L		0.05	SW846-8260
Tetrachloroethene	U	0.05	mg/L		0.05	SW846-8260
Toluene	U	0.05	mg/L		0.05	SW846-8260
Total Xylene	U	0.15	mg/L		0.15	SW846-8260
trans-1,2-Dichloroethene	U	0.05	mg/L		0.05	SW846-8260
Trichloroethene	D	0.85	mg/L		0.01	SW846-8260

**MW346**

**GWES01-03**

**SURVEILLANCE QUARTERLY - 3RD QUARTER GWES01-03**

**MW346ESQ3-01**

Collected: 6/7/2001

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.5	Inches/Hg			
Conductivity		540	umho/cm			
Depth to Water		47.7	ft			
Dissolved Oxygen		0.61	mg/L			
pH		7.54	Std Unit			
Temperature		64	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Alpha activity		8.8	pCi/L	3.33	5.36	EPA-900.0
Beta activity		9.49	pCi/L	1.68	5.18	EPA-900.0
Technetium-99	U	-1.08	pCi/L	0	18.7	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene	U	0.001	mg/L		0.001	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260

**MW63**

**GWES01-03**

**SURVEILLANCE QUARTERLY - 3RD QUARTER GWES01-03**

**MW63ESQ3-01**

Collected: 6/5/2001

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.5	Inches/Hg			
Conductivity		254	umho/cm			
Depth to Water		48.99	ft			
Dissolved Oxygen		2.98	mg/L			
pH		6.11	Std Unit			
Temperature		66.2	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Alpha activity	U	0.226	pCi/L	0.171	3.65	EPA-900.0
Beta activity		6.14	pCi/L	1.13	4.67	EPA-900.0
Technetium-99	DU	0	pCi/L	0	22.3	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene		0.005	mg/L		0.001	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260

**MW65**

**GWES01-03**

**SURVEILLANCE QUARTERLY - 3RD QUARTER GWES01-03**

**MW65ESQ3-01**

Collected: 6/5/2001

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.5	Inches/Hg			
Conductivity		184	umho/cm			
Depth to Water		48.99	ft			
Dissolved Oxygen		3.63	mg/L			
pH		5.88	Std Unit			
Temperature		64	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Alpha activity	U	1.43	pCi/L	0.795	3.19	EPA-900.0
Beta activity		10.4	pCi/L	1.65	4.47	EPA-900.0
Technetium-99	DU	8.47	pCi/L	15.2	22.3	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	UX	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene		0.017	mg/L		0.001	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260

**MW185**

**GWES01-04**

**SURVEILLANCE QUARTERLY - 4TH QUARTER GWES01-04**

**MW185ESQ4-01**

Collected: 9/24/2001

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.62	Inches/Hg			
Conductivity		449	umho/cm			
Depth to Water		51.19	ft			
Dissolved Oxygen		2.33	mg/L			
pH		6.2	Std Unit			
Temperature		59.7	deg F			
<b>METAL</b>						
Uranium	U	0.05	mg/L		0.05	AS7300
Uranium	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Alpha activity	U	-8.91	pCi/L	1.7	4.43	EPA-900.0
Americium-241	U	-10.7	pCi/L	21.4	37.6	RL-7124
Beta activity		565	pCi/L	16.6	4.84	EPA-900.0
Cesium-134	U	-1.3	pCi/L	2.6	13	RL-7124
Cesium-137	U	3.23	pCi/L	6.46	16.5	RL-7124
Cobalt-60	U	-1.2	pCi/L	2.4	18.3	RL-7124
Dissolved Alpha	U	-1.07	pCi/L	0.335	6.6	EPA-900.0
Dissolved Beta		440	pCi/L	19	8.03	EPA-900.0
Neptunium-237	U	-0.235	pCi/L	0.177	0.676	RL-7103
Plutonium-238	U	0.088	pCi/L	0.126	0.373	RL-7120
Plutonium-239/240	U	0.0195	pCi/L	0.0572	0.181	RL-7120
Potassium-40	U	134	pCi/L	268	399	RL-7124
Technetium-99		977	pCi/L	30.8	17.7	RL-7100
Thorium-228	U	0.0755	pCi/L	0.0617	0.204	RL-7120
Thorium-230	U	-0.0522	pCi/L	0.0668	0.379	RL-7120
Thorium-232	U	0.00646	pCi/L	0.0798	0.294	RL-7120
Uranium-235	U	-6.7	pCi/L	0	0.637	RL-7124
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.25	mg/L		0.25	SW846-8260
1,1-Dichloroethane	UX	0.25	mg/L		0.25	SW846-8260
Bromodichloromethane	U	0.25	mg/L		0.25	SW846-8260
cis-1,2-Dichloroethene	UX	0.25	mg/L		0.25	SW846-8260
Ethylbenzene	U	0.25	mg/L		0.25	SW846-8260
Toluene	U	0.25	mg/L		0.25	SW846-8260
Total Xylene	U	0.75	mg/L		0.75	SW846-8260
trans-1,2-Dichloroethene	U	0.25	mg/L		0.25	SW846-8260
Trichloroethene	D	3.9	mg/L		0.05	SW846-8260

## MW186

## GWES01-04

## SURVEILLANCE QUARTERLY - 4TH QUARTER GWES01-04

## MW186ESQ4-01

Collected: 9/24/2001

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.62	Inches/Hg			
Conductivity		1445	umho/cm			
Depth to Water		8.93	ft			
Dissolved Oxygen		0.13	mg/L			
pH		5.7	Std Unit			
Temperature		62.1	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	IN7105
Uranium	U	0.05	mg/L		0.05	AS7300
<b>RADS</b>						
Alpha activity	U	6.14	pCi/L	3.41	15.2	EPA-900.0
Americium-241	U	0.718	pCi/L	1.44	38.7	RL-7124
Beta activity		31.2	pCi/L	5.03	13.1	EPA-900.0
Cesium-134	U	4.3	pCi/L	8.6	14.5	RL-7124
Cesium-137	U	-4.86	pCi/L	9.71	14.4	RL-7124
Cobalt-60	U	9.61	pCi/L	19.2	22.2	RL-7124
Dissolved Alpha	U	0.383	pCi/L	0.256	15.2	EPA-900.0
Dissolved Beta		45.6	pCi/L	6.38	11.7	EPA-900.0
Neptunium-237	U	0.0354	pCi/L	0.0289	0.465	RL-7103
Plutonium-238	U	-0.0607	pCi/L	0.103	0.368	RL-7120
Plutonium-239/240	U	0.0183	pCi/L	0.0576	0.17	RL-7120
Potassium-40	U	96.3	pCi/L	193	395	RL-7124
Technetium-99	U	13.5	pCi/L	12.3	17.7	RL-7100
Thorium-228	U	0.0535	pCi/L	0.11	0.204	RL-7120
Thorium-230	U	-0.0881	pCi/L	0.0918	0.376	RL-7120
Thorium-232	U	-0.0378	pCi/L	0.0809	0.304	RL-7120
Uranium-235	U	9.86	pCi/L	11.4	16.6	RL-7124
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.05	mg/L		0.05	SW846-8260
1,1-Dichloroethane	UX	0.05	mg/L		0.05	SW846-8260
Bromodichloromethane	U	0.05	mg/L		0.05	SW846-8260
cis-1,2-Dichloroethene	D	0.39	mg/L		0.05	SW846-8260
Ethylbenzene	U	0.05	mg/L		0.05	SW846-8260
Tetrachloroethene	U	0.05	mg/L		0.05	SW846-8260
Toluene	U	0.05	mg/L		0.05	SW846-8260
Total Xylene	U	0.15	mg/L		0.15	SW846-8260
trans-1,2-Dichloroethene	U	0.05	mg/L		0.05	SW846-8260
Trichloroethene	D	0.12	mg/L		0.01	SW846-8260
Vinyl chloride	D	0.67	mg/L		0.02	SW846-8260

MW187

GWES01-04

## SURVEILLANCE QUARTERLY - 4TH QUARTER GWES01-04

MW187ESQ4-01

Collected: 9/25/2001

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.71	Inches/Hg			
Conductivity		873	umho/cm			
Depth to Water		8.14	ft			
Dissolved Oxygen		0.36	mg/L			
pH		6.1	Std Unit			
Temperature		63.5	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	IN7105
Uranium	U	0.05	mg/L		0.05	AS7300
<b>RADS</b>						
Alpha activity	U	4.12	pCi/L	2.38	8.54	EPA-900.0
Americium-241	U	9.77	pCi/L	19.5	52.7	RL-7124
Beta activity	U	4.24	pCi/L	0.926	7.22	EPA-900.0
Cesium-134	U	3.57	pCi/L	7.13	11.2	RL-7124
Cesium-137	U	5.39	pCi/L	10.8	12.6	RL-7124
Cobalt-60	U	-2.11	pCi/L	4.22	12.5	RL-7124
Dissolved Alpha	U	3.1	pCi/L	1.96	11.1	EPA-900.0
Dissolved Beta	U	0.517	pCi/L	0.135	9.79	EPA-900.0
Neptunium-237	U	0.177	pCi/L	0.112	0.465	RL-7103
Plutonium-238	U	0.04	pCi/L	0.117	0.37	RL-7120
Plutonium-239/240	U	0.0164	pCi/L	0.061	0.175	RL-7120
Potassium-40	U	-0.783	pCi/L	1.57	215	RL-7124
Technetium-99	U	1.09	pCi/L	11.9	17.7	RL-7100
Thorium-228	U	-0.0475	pCi/L	0.0672	0.189	RL-7120
Thorium-230	U	-0.0464	pCi/L	0.0947	0.373	RL-7120
Thorium-232	U	-0.115	pCi/L	0.122	0.326	RL-7120
Uranium-235	U	-36.7	pCi/L	0	0.342	RL-7124
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.1	mg/L		0.1	SW846-8260
1,1-Dichloroethane	U	0.1	mg/L		0.1	SW846-8260
Bromodichloromethane	U	0.1	mg/L		0.1	SW846-8260
cis-1,2-Dichloroethene	UX	0.1	mg/L		0.1	SW846-8260
Ethylbenzene	U	0.1	mg/L		0.1	SW846-8260
Toluene	UY	0.1	mg/L		0.1	SW846-8260
Total Xylene	U	0.3	mg/L		0.3	SW846-8260
trans-1,2-Dichloroethene	U	0.1	mg/L		0.1	SW846-8260
Trichloroethene	DX	1.5	mg/L		0.02	SW846-8260

**MW333**

**GWES01-04**

**SURVEILLANCE QUARTERLY - 4TH QUARTER GWES01-04**

**MW333ESQ4-01**

Collected: 9/25/2001

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.77	Inches/Hg			
Conductivity		209.6	umho/cm			
Depth to Water		53.87	ft			
Dissolved Oxygen		0.66	mg/L			
pH		6.2	Std Unit			
Temperature		61.2	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	IN7105
Uranium	U	0.05	mg/L		0.05	AS7300
<b>RADS</b>						
Alpha activity	U	2.25	pCi/L	1.16	3.08	EPA-900.0
Americium-241	U	1.55	pCi/L	3.1	46.4	RL-7124
Beta activity	U	1.41	pCi/L	0.328	4.24	EPA-900.0
Cesium-134	U	1.57	pCi/L	3.14	10.1	RL-7124
Cesium-137	U	-1.7	pCi/L	3.4	11	RL-7124
Cobalt-60	U	-2.72	pCi/L	5.45	9.43	RL-7124
Dissolved Alpha	U	-0.905	pCi/L	0.905	5.63	EPA-900.0
Dissolved Beta	U	3.04	pCi/L	0.717	7.68	EPA-900.0
Neptunium-237	U	-0.0708	pCi/L	0.0818	0.465	RL-7103
Plutonium-238	U	-0.0396	pCi/L	0.105	0.376	RL-7120
Plutonium-239/240	U	-0.0086	pCi/L	0.0477	0.177	RL-7120
Potassium-40	U	-30.2	pCi/L	60.3	209	RL-7124
Technetium-99	U	-2.35	pCi/L	0	17.7	RL-7100
Thorium-228	U	0.0115	pCi/L	0.023	0.179	RL-7120
Thorium-230	U	-0.041	pCi/L	0.0719	0.317	RL-7120
Thorium-232	U	0.0284	pCi/L	0.051	0.152	RL-7120
Uranium-235	U	-9.94	pCi/L	0	0.348	RL-7124
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.025	mg/L		0.025	SW846-8260
1,1-Dichloroethane	U	0.025	mg/L		0.025	SW846-8260
Benzene	UY	0.025	mg/L		0.025	SW846-8260
Bromodichloromethane	U	0.025	mg/L		0.025	SW846-8260
cis-1,2-Dichloroethene	UX	0.025	mg/L		0.025	SW846-8260
Ethylbenzene	U	0.025	mg/L		0.025	SW846-8260
Tetrachloroethene	U	0.025	mg/L		0.025	SW846-8260
Toluene	UY	0.025	mg/L		0.025	SW846-8260
Total Xylene	U	0.075	mg/L		0.075	SW846-8260
trans-1,2-Dichloroethene	U	0.025	mg/L		0.025	SW846-8260
Trichloroethene	DX	0.29	mg/L		0.005	SW846-8260



**MW337**

**GWES01-04**

**SURVEILLANCE QUARTERLY - 4TH QUARTER GWES01-04**

**MW337ESQ4-01**

Collected: 9/24/2001

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.65	Inches/Hg			
Conductivity		165.4	umho/cm			
Depth to Water		51.14	ft			
Dissolved Oxygen		5.51	mg/L			
pH		6.02	Std Unit			
Temperature		61.2	deg F			
<b>METAL</b>						
Uranium	U	0.05	mg/L		0.05	AS7300
Uranium	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Alpha activity	U	-2.29	pCi/L	0.998	3	EPA-900.0
Americium-241	U	-0.713	pCi/L	1.43	38.2	RL-7124
Beta activity		97.2	pCi/L	6.26	4.21	EPA-900.0
Cesium-134	U	5.37	pCi/L	10.7	14.4	RL-7124
Cesium-137	U	-0.993	pCi/L	1.99	14.9	RL-7124
Cobalt-60	U	-2.21	pCi/L	4.43	18.1	RL-7124
Dissolved Alpha	U	-2.37	pCi/L	1.79	5.22	EPA-900.0
Dissolved Beta		81.9	pCi/L	7.57	7.54	EPA-900.0
Neptunium-237	U	-0.235	pCi/L	0.177	0.676	RL-7103
Plutonium-238	U	-0.0491	pCi/L	0.0957	0.367	RL-7120
Plutonium-239/240	U	-0.0187	pCi/L	0.0549	0.171	RL-7120
Potassium-40	U	219	pCi/L	235	151	RL-7124
Technetium-99		175	pCi/L	16.9	17.7	RL-7100
Thorium-228	U	0.0276	pCi/L	0.039	0.188	RL-7120
Thorium-230	U	0.0609	pCi/L	0.107	0.37	RL-7120
Thorium-232	U	-0.0102	pCi/L	0.0554	0.3	RL-7120
Uranium-235	U	-8.42	pCi/L	0	0.633	RL-7124
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	UX	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene		0.075	mg/L		0.001	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260

**MW338**

**GWES01-04**

**SURVEILLANCE QUARTERLY - 4TH QUARTER GWES01-04**

**MW338ESQ4-01**

Collected: 9/24/2001

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.65	Inches/Hg			
Conductivity		194.8	umho/cm			
Depth to Water		51.37	ft			
Dissolved Oxygen		7.2	mg/L			
pH		5.92	Std Unit			
Temperature		61.7	deg F			
<b>METAL</b>						
Uranium		0.35	mg/L		0.05	AS7300
Uranium	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Alpha activity	U	-0.18	pCi/L	0.161	3.04	EPA-900.0
Americium-241	U	15.4	pCi/L	30.8	39.9	RL-7124
Beta activity	U	2.92	pCi/L	0.622	4.23	EPA-900.0
Cesium-134	U	1.49	pCi/L	2.97	13.5	RL-7124
Cesium-137	U	6.02	pCi/L	6.75	15.6	RL-7124
Cobalt-60	U	2.39	pCi/L	4.78	19.7	RL-7124
Dissolved Alpha	U	0.232	pCi/L	0.175	5.42	EPA-900.0
Dissolved Beta	U	4.42	pCi/L	0.994	7.61	EPA-900.0
Neptunium-237	U	-0.302	pCi/L	0.27	0.676	RL-7103
Plutonium-238	U	0.0384	pCi/L	0.114	0.37	RL-7120
Plutonium-239/240	U	-0.0184	pCi/L	0.0437	0.174	RL-7120
Potassium-40	U	68.8	pCi/L	138	369	RL-7124
Technetium-99	U	-7.31	pCi/L	0	17.7	RL-7100
Thorium-228	U	-0.0631	pCi/L	0.0949	0.21	RL-7120
Thorium-230	U	-0.0431	pCi/L	0.104	0.38	RL-7120
Thorium-232	U	0.0447	pCi/L	0.0516	0.325	RL-7120
Uranium-235	U	-4.82	pCi/L	0	0.634	RL-7124
Uranium-235		0.88	wt %			AS7300
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	UX	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene		0.003	mg/L		0.001	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260

**MW339**

**GWES01-04**

**SURVEILLANCE QUARTERLY - 4TH QUARTER GWES01-04**

**MW339ESQ4-01**

Collected: 9/25/2001

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.71	Inches/Hg			
Conductivity		501	umho/cm			
Depth to Water		51.25	ft			
Dissolved Oxygen		2.49	mg/L			
pH		5.7	Std Unit			
Temperature		61.4	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	IN7105
Uranium		0.09	mg/L		0.05	AS7300
<b>RADS</b>						
Alpha activity	U	-14.1	pCi/L	1.35	4.99	EPA-900.0
Americium-241	U	2.96	pCi/L	5.92	46.5	RL-7124
Beta activity		2100	pCi/L	33.1	5.11	EPA-900.0
Cesium-134	U	-1.41	pCi/L	2.83	10.3	RL-7124
Cesium-137	U	4.63	pCi/L	9.25	11.2	RL-7124
Cobalt-60	U	-6.7	pCi/L	13.4	10.5	RL-7124
Dissolved Alpha	U	-28.3	pCi/L	5.63	7.1	EPA-900.0
Dissolved Beta		1820	pCi/L	39.7	8.22	EPA-900.0
Neptunium-237	U	0.106	pCi/L	0.0751	0.465	RL-7103
Plutonium-238	U	-0.007	pCi/L	0.11	0.377	RL-7120
Plutonium-239/240	U	-0.0669	pCi/L	0.0394	0.176	RL-7120
Potassium-40	U	-73.8	pCi/L	148	206	RL-7124
Technetium-99		3500	pCi/L	55	17.7	RL-7100
Thorium-228	U	0.00047	pCi/L	0.0324	0.163	RL-7120
Thorium-230	U	-0.0762	pCi/L	0.04	0.411	RL-7120
Thorium-232	U	-0.0060	pCi/L	0.0324	0.161	RL-7120
Uranium-235	U	-6.28	pCi/L	0	0.346	RL-7124
Uranium-235		0.938	wt %			AS7300
<b>VOA</b>						
1,1,1-Trichloroethane	U	2.5	mg/L		2.5	SW846-8260
1,1-Dichloroethane	U	2.5	mg/L		2.5	SW846-8260
Bromodichloromethane	U	2.5	mg/L		2.5	SW846-8260
Toluene	U	2.5	mg/L		2.5	SW846-8260
Total Xylene	U	7.5	mg/L		7.5	SW846-8260
Trichloroethene	D	24	mg/L		0.5	SW846-8260

**MW340**

**GWES01-04**

**SURVEILLANCE QUARTERLY - 4TH QUARTER GWES01-04**

**MW340ESQ4-01**

Collected: 9/25/2001

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.77	Inches/Hg			
Conductivity		465.5	umho/cm			
Depth to Water		51.8	ft			
Dissolved Oxygen		3.31	mg/L			
pH		6.02	Std Unit			
Temperature		62.6	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	IN7105
Uranium	U	0.05	mg/L		0.05	AS7300
<b>RADS</b>						
Alpha activity	U	2.23	pCi/L	0.464	4.92	EPA-900.0
Americium-241	U	-9.01	pCi/L	18	46.7	RL-7124
Beta activity		365	pCi/L	13.6	5.08	EPA-900.0
Cesium-134	U	1.57	pCi/L	3.15	10.4	RL-7124
Cesium-137	U	-4.91	pCi/L	9.83	10.4	RL-7124
Cobalt-60	U	-7.39	pCi/L	14.8	9.06	RL-7124
Dissolved Alpha	U	0.569	pCi/L	0.204	7.54	EPA-900.0
Dissolved Beta		294	pCi/L	15.8	8.38	EPA-900.0
Neptunium-237	U	0.0354	pCi/L	0.0289	0.465	RL-7103
Plutonium-238	U	-0.0377	pCi/L	0.105	0.375	RL-7120
Plutonium-239/240	U	-0.0556	pCi/L	0.0361	0.179	RL-7120
Potassium-40	U	38.3	pCi/L	76.6	222	RL-7124
Technetium-99		579	pCi/L	24.8	17.7	RL-7100
Thorium-228	U	0.0638	pCi/L	0.0658	0.152	RL-7120
Thorium-230	U	0.154	pCi/L	0.109	0.32	RL-7120
Thorium-232	U	0.0157	pCi/L	0.0584	0.152	RL-7120
Uranium-235	U	-7.06	pCi/L	0	0.343	RL-7124
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.05	mg/L		0.05	SW846-8260
1,1-Dichloroethane	U	0.05	mg/L		0.05	SW846-8260
Bromodichloromethane	U	0.05	mg/L		0.05	SW846-8260
cis-1,2-Dichloroethene	UX	0.05	mg/L		0.05	SW846-8260
Ethylbenzene	U	0.05	mg/L		0.05	SW846-8260
Tetrachloroethene	U	0.05	mg/L		0.05	SW846-8260
Toluene	UY	0.05	mg/L		0.05	SW846-8260
Total Xylene	U	0.15	mg/L		0.15	SW846-8260
trans-1,2-Dichloroethene	U	0.05	mg/L		0.05	SW846-8260
Trichloroethene	DX	1.1	mg/L		0.01	SW846-8260

**MW346**

**GWES01-04**

**SURVEILLANCE QUARTERLY - 4TH QUARTER GWES01-04**

**MW346ESQ4-01**

Collected: 9/20/2001

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.56	Inches/Hg			
Conductivity		527	umho/cm			
Depth to Water		50.09	ft			
Dissolved Oxygen		0.07	mg/L			
pH		7.89	Std Unit			
Temperature		61.8	deg F			
<b>METAL</b>						
Uranium	U	0.05	mg/L		0.05	AS7300
Uranium	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Alpha activity		6.35	pCi/L	2.71	4.54	EPA-900.0
Americium-241	U	7.55	pCi/L	15.1	39.8	RL-7124
Beta activity		8.89	pCi/L	1.54	5.3	EPA-900.0
Cesium-134	U	-3.48	pCi/L	6.96	13.5	RL-7124
Cesium-137	U	-0.991	pCi/L	1.98	14.8	RL-7124
Cobalt-60	U	1.73	pCi/L	3.46	17	RL-7124
Dissolved Alpha	U	5.21	pCi/L	2.53	6.86	EPA-900.0
Dissolved Beta	U	3.31	pCi/L	0.718	9.2	EPA-900.0
Neptunium-237	U	-0.134	pCi/L	0.0849	0.676	RL-7103
Plutonium-238	U	-0.0533	pCi/L	0.102	0.369	RL-7120
Plutonium-239/240	U	0.0227	pCi/L	0.06	0.175	RL-7120
Potassium-40	U	54.3	pCi/L	109	368	RL-7124
Technetium-99	U	4.26	pCi/L	11.5	17	RL-7100
Thorium-228	U	0.0294	pCi/L	0.034	0.159	RL-7120
Thorium-230	U	-0.0414	pCi/L	0.0392	0.351	RL-7120
Thorium-232	U	0.0319	pCi/L	0.0555	0.279	RL-7120
Uranium-235	U	-10	pCi/L	0	0.631	RL-7124
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene	U	0.001	mg/L		0.001	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260

**MW63**

**GWES01-04**

**SURVEILLANCE QUARTERLY - 4TH QUARTER GWES01-04**

**MW63ESQ4-01**

Collected: 9/11/2001

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.8	Inches/Hg			
Conductivity		256	umho/cm			
Depth to Water		50.09	ft			
Dissolved Oxygen		3.78	mg/L			
pH		6.07	Std Unit			
Temperature		64.6	deg F			
<b>METAL</b>						
Uranium	U	0.05	mg/L		0.05	AS7300
Uranium	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Alpha activity	U	0.141	pCi/L	0.0815	4.62	EPA-900.0
Americium-241	U	-10.6	pCi/L	21.3	48.5	RL-7124
Beta activity		7.42	pCi/L	1.24	4.87	EPA-900.0
Cesium-134	U	-1.63	pCi/L	3.27	14.1	RL-7124
Cesium-137	U	-5.1	pCi/L	10.2	19.9	RL-7124
Cobalt-60	U	2.46	pCi/L	4.92	22.1	RL-7124
Dissolved Alpha	BU	-3.82	pCi/L	3.12	8.41	EPA-900.0
Dissolved Beta	U	4.34	pCi/L	0.959	8.09	EPA-900.0
Neptunium-237	U	0	pCi/L	0	0.676	RL-7103
Plutonium-238	U	0.0893	pCi/L	0.127	0.388	RL-7120
Plutonium-239/240	U	-0.0097	pCi/L	0.0532	0.15	RL-7120
Potassium-40	U	153	pCi/L	241	165	RL-7124
Technetium-99	U	16.2	pCi/L	12.6	17.9	RL-7100
Thorium-228	U	-0.0442	pCi/L	0.0324	0.169	RL-7120
Thorium-230	U	-0.0776	pCi/L	0.0521	0.283	RL-7120
Thorium-232	U	-0.011	pCi/L	0.0402	0.29	RL-7120
Uranium-235	U	-6.54	pCi/L	0	0.859	RL-7124
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene		0.004	mg/L		0.001	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260

**MW63**

**GWES01-04**

**SURVEILLANCE QUARTERLY - 4TH QUARTER GWES01-04**

**MW63DESQ4-01**

Collected: 9/11/2001

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.8	Inches/Hg			
Conductivity		256	umho/cm			
Depth to Water		50.09	ft			
Dissolved Oxygen		3.78	mg/L			
pH		6.07	Std Unit			
Temperature		64.6	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	IN7105
Uranium	U	0.05	mg/L		0.05	AS7300
<b>RADS</b>						
Alpha activity	U	-1.3	pCi/L	1.06	4.57	EPA-900.0
Americium-241	U	13	pCi/L	26	49	RL-7124
Beta activity	U	4.81	pCi/L	0.882	4.85	EPA-900.0
Cesium-134	U	1.62	pCi/L	3.25	18.6	RL-7124
Cesium-137	U	2.23	pCi/L	4.45	20.4	RL-7124
Cobalt-60	U	3.16	pCi/L	6.32	19.6	RL-7124
Dissolved Alpha	BU	-0.849	pCi/L	0.471	6.49	EPA-900.0
Dissolved Beta	U	6.59	pCi/L	1.35	7.58	EPA-900.0
Neptunium-237	U	-0.0347	pCi/L	0.02	0.676	RL-7103
Plutonium-238	U	-0.0612	pCi/L	0.101	0.385	RL-7120
Plutonium-239/240	U	-0.0174	pCi/L	0.0405	0.143	RL-7120
Potassium-40		275	pCi/L	251	191	RL-7124
Technetium-99	U	4.88	pCi/L	12.1	17.9	RL-7100
Thorium-228	U	-0.0379	pCi/L	0.0431	0.163	RL-7120
Thorium-230	U	-0.0577	pCi/L	0.0309	0.27	RL-7120
Thorium-232	U	0.00072	pCi/L	0.0354	0.273	RL-7120
Uranium		911	pCi/L	796	274	RL-7124
Uranium-234		448	pCi/L	399	129	RL-7124
Uranium-235		22	pCi/L	15.2	19.1	RL-7124
Uranium-235		0.769	wt %	0.0638		RL-7124
Uranium-238		441	pCi/L	237	125	RL-7124
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene		0.004	mg/L		0.001	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260

## MW65

## GWES01-04

## SURVEILLANCE QUARTERLY - 4TH QUARTER GWES01-04

## MW65ESQ4-01

Collected: 9/11/2001

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.8	Inches/Hg			
Conductivity		191	umho/cm			
Depth to Water		50.07	ft			
Dissolved Oxygen		3.85	mg/L			
pH		5.89	Std Unit			
Temperature		65	deg F			
<b>METAL</b>						
Uranium	U	0.05	mg/L		0.05	AS7300
Uranium	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Alpha activity	U	-1.4	pCi/L	1.06	4.26	EPA-900.0
Americium-241	U	22.5	pCi/L	45	52.6	RL-7124
Beta activity		13.4	pCi/L	1.91	4.74	EPA-900.0
Cesium-134	U	-0.605	pCi/L	1.21	18	RL-7124
Cesium-137	U	1.22	pCi/L	2.45	20.6	RL-7124
Cobalt-60	U	6	pCi/L	12	24.3	RL-7124
Dissolved Alpha	BU	-3.5	pCi/L	2.48	8.27	EPA-900.0
Dissolved Beta		17.5	pCi/L	2.9	8.05	EPA-900.0
Neptunium-237	U	-0.0347	pCi/L	0.02	0.676	RL-7103
Plutonium-238	U	-0.0726	pCi/L	0.103	0.386	RL-7120
Plutonium-239/240	U	-0.0411	pCi/L	0.0283	0.149	RL-7120
Potassium-40	U	69.9	pCi/L	140	458	RL-7124
Technetium-99	U	16.2	pCi/L	12.5	17.9	RL-7100
Thorium-228	U	0.0165	pCi/L	0.0519	0.158	RL-7120
Thorium-230	U	-0.066	pCi/L	0.0445	0.27	RL-7120
Thorium-232	U	0.0277	pCi/L	0.032	0.274	RL-7120
Uranium-235	U	-11.3	pCi/L	0	0.855	RL-7124
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	UX	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene		0.024	mg/L		0.001	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260



**MW180**

**GWES01-06**

**SURVEILLANCE ANNUAL MONITORING GWES01-06**

**MW180ESA-01**

Collected: 3/14/2001

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.5	Inches/Hg			
Conductivity		781	umho/cm			
Depth to Water		19.36	ft			
Dissolved Oxygen		2.59	mg/L			
pH		7.02	Std Unit			
Temperature		61.6	deg F			
<b>METAL</b>						
Uranium		0.002	mg/L		0.001	IN7105
<b>RADS</b>						
Alpha activity		10.4	pCi/L	4.25	9.09	EPA-900.0
Beta activity		26.7	pCi/L	3.48	5.82	EPA-900.0
Technetium-99		24.7	pCi/L	12.8	17.9	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene	U	0.001	mg/L		0.001	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260

**MW182**

**GWES01-06**

**SURVEILLANCE ANNUAL MONITORING GWES01-06**

**MW182ESA-01**

Collected: 3/7/2001

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.74	Inches/Hg			
Conductivity		1115	umho/cm			
Depth to Water		10.78	ft			
Dissolved Oxygen		0.37	mg/L			
pH		6.5	Std Unit			
Temperature		58	deg F			
<b>METAL</b>						
Uranium		0.49	mg/L		0.001	IN7105
<b>RADS</b>						
Alpha activity		266	pCi/L	27.3	6.95	EPA-900.0
Beta activity		163	pCi/L	10.2	5.15	EPA-900.0
Technetium-99	U	14.6	pCi/L	12.1	17.6	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene	U	0.001	mg/L		0.001	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260

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**MW66**

**GWES01-07**

## SURVEILLANCE-ANNUAL RADIOLOGICAL SAMPLING GWES01-07

**MW66ESRD-01**

Collected: 9/10/2001

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.77	Inches/Hg			
Conductivity		189	umho/cm			
Depth to Water		48.34	ft			
Dissolved Oxygen		6.61	mg/L			
pH		5.86	Std Unit			
Temperature		61.1	deg F			
<b>METAL</b>						
Uranium	UU	0.05	mg/L		0.05	AS7300
<b>RADS</b>						
Americium-241	U	10.1	pCi/L	20.1	43.7	RL-7124
Cesium-134	U	-0.534	pCi/L	1.07	16.2	RL-7124
Cesium-137	U	-8.22	pCi/L	16.5	16.1	RL-7124
Cobalt-60	U	-2.84	pCi/L	5.68	20.7	RL-7124
Dissolved Alpha	U	1.2	pCi/L	0.439	2.97	EPA-900.0
Dissolved Beta		80.2	pCi/L	5.48	4.05	EPA-900.0
Neptunium-237	U	0.234	pCi/L	0.13	0.472	RL-7103
Plutonium-238	U	0.0328	pCi/L	0.11	0.754	RL-7120
Plutonium-239/240	U	-0.0287	pCi/L	0.0301	0.111	RL-7120
Potassium-40	U	170	pCi/L	341	469	RL-7124
Suspended Alpha	U	-0.124	pCi/L	0.101	2.25	EPA-900.0
Suspended Beta	U	-0.757	pCi/L	0.202	3.78	EPA-900.0
Thorium-228	UT	-0.0461	pCi/L	0.0864	0.653	RL-7120
Thorium-230	UT	0.0115	pCi/L	0.112	0.397	RL-7120
Thorium-232	UT	-0.0232	pCi/L	0.0851	0.33	RL-7120
Uranium-235	U	-5.18	pCi/L	0	0.843	RL-7124

**MW180**

**GWES01-08**

**SemiAnnual Surveillance Monitoring - Revised EMP GWES01-08**

**MW180ESA8-01**

Collected: 9/7/2001

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		49.3	mg/L		2	EPA-300.0
<b>Field P</b>						
Barometric Pressure Reading		29.44	Inches/Hg			
Conductivity		775	umho/cm			
Depth to Water		19.64	ft			
Dissolved Oxygen		0.74	mg/L			
pH		6.73	Std Unit			
Temperature		66	deg F			
<b>METAL</b>						
Aluminum, Dissolved	U	0.2	mg/L		0.2	SW846-6010A
Cadmium, Dissolved	UW	0.005	mg/L		0.005	SW846-7131
Chromium, Dissolved	U	0.025	mg/L		0.025	SW846-6010A
Copper, Dissolved	BU	0.025	mg/L		0.025	SW846-6010A
Iron, Dissolved		1.29	mg/L		0.2	SW846-6010A
Lead, Dissolved	U	0.05	mg/L		0.05	SW846-7421 E3R0
Nickel, Dissolved		0.214	mg/L		0.05	SW846-6010A
Phosphorous, Dissolved		0.08	mg/L		0.05	EPA-365.3
Total Metals	U	5	mg/L		5	SW846-6010A
Uranium, Dissolved		0.002	mg/L		0.001	IN7105
Zinc, Dissolved	U	0.2	mg/L		0.2	SW846-6010A
<b>RADS</b>						
Alpha activity	U	2.34	pCi/L	1.17	7.3	EPA-900.0
Americium-241	U	-17.7	pCi/L	35.3	75.2	RL-7124
Beta activity		34.4	pCi/L	4.16	5.12	EPA-900.0
Cesium-134	U	-2.42	pCi/L	4.84	14.8	RL-7124
Cesium-137	U	5.71	pCi/L	11.4	18.6	RL-7124
Cobalt-60	U	2.41	pCi/L	4.81	18.1	RL-7124
Dissolved Alpha	U	6.85	pCi/L	3.32	9	EPA-900.0
Dissolved Beta		28.3	pCi/L	4.08	11	EPA-900.0
Neptunium-237	U	0.234	pCi/L	0.13	0.472	RL-7103
Plutonium-238	U	-0.0423	pCi/L	0.111	0.388	RL-7120
Plutonium-239/240	U	-0.0187	pCi/L	0.0461	0.148	RL-7120
Potassium-40	U	-4.47	pCi/L	8.94	352	RL-7124
Suspended Alpha	U	1.89	pCi/L	1.14	4.02	EPA-900.0
Suspended Beta	U	-1.95	pCi/L	0.468	8.58	EPA-900.0
Technetium-99		67.4	pCi/L	14	17.7	RL-7100
Thorium-228	U	0.0503	pCi/L	0.0654	0.148	RL-7120
Thorium-230	U	-0.0407	pCi/L	0.0305	0.262	RL-7120
Thorium-232	U	-0.0084	pCi/L	0.0169	0.273	RL-7120
Uranium-235	U	0	pCi/L	0	0.85	RL-7124
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260

**MW180**

**GWES01-08**

**SemiAnnual Surveillance Monitoring - Revised EMP GWES01-08**

Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Carbonaceous Biochemical Oxygen D	BJU	10 mg/L	10	SM-5210 B
Chromium, hexavalent	NU	0.01 mg/L	0.01	SM-3500-Cr D 17
Hardness - Total as CaCO3		190 mg/L	20	EPA-130.2
Suspended Solids	U	24 mg/L	24	EPA-160.1

**MW182**

**GWES01-08**

**SemiAnnual Surveillance Monitoring - Revised EMP GWES01-08**

**MW182ESA8-01**

Collected: 9/10/2001

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		13.6	mg/L		2	EPA-300.0
<b>Field P</b>						
Barometric Pressure Reading		29.77	Inches/Hg			
Conductivity		1150	umho/cm			
Depth to Water		13.9	ft			
Dissolved Oxygen		0.87	mg/L			
pH		6.5	Std Unit			
Temperature		68.9	deg F			
<b>METAL</b>						
Aluminum, Dissolved		0.346	mg/L		0.2	SW846-6010A
Cadmium, Dissolved	U	0.005	mg/L		0.005	SW846-7131
Chromium, Dissolved	U	0.025	mg/L		0.025	SW846-6010A
Copper, Dissolved	U	0.025	mg/L		0.025	SW846-6010A
Iron, Dissolved		28.1	mg/L		0.2	SW846-6010A
Lead, Dissolved	UW	0.05	mg/L		0.05	SW846-7421 E3R0
Nickel, Dissolved	U	0.05	mg/L		0.05	SW846-6010A
Phosphorous, Dissolved		0.12	mg/L		0.05	EPA-365.3
Total Metals		28.5	mg/L		5	SW846-6010A
Uranium, Dissolved		0.31	mg/L		0.001	IN7105
Zinc, Dissolved	U	0.2	mg/L		0.2	SW846-6010A
<b>RADS</b>						
Alpha activity		130	pCi/L	17.1	9.02	EPA-900.0
Americium-241	U	5.38	pCi/L	10.8	48.2	RL-7124
Beta activity		166	pCi/L	10.6	5.99	EPA-900.0
Cesium-134	U	-2.97	pCi/L	5.95	17	RL-7124
Cesium-137	U	0.416	pCi/L	0.832	18.3	RL-7124
Cobalt-60	U	10.7	pCi/L	21.4	26.9	RL-7124
Dissolved Alpha		94.6	pCi/L	11.7	5.9	EPA-900.0
Dissolved Beta		74.2	pCi/L	5.9	5.21	EPA-900.0
Neptunium-237	U	0.0668	pCi/L	0.0472	0.472	RL-7103
Plutonium-238	U	-0.0131	pCi/L	0.0991	0.752	RL-7120
Plutonium-239/240	U	0.0241	pCi/L	0.0442	0.106	RL-7120
Potassium-40	U	218	pCi/L	437	483	RL-7124
Suspended Alpha	U	1.33	pCi/L	0.666	2.48	EPA-900.0
Suspended Beta		4.16	pCi/L	0.804	3.87	EPA-900.0
Technetium-99		22.6	pCi/L	12.6	17.7	RL-7100
Thorium-228	UT	-0.12	pCi/L	0.0973	0.681	RL-7120
Thorium-230	UT	0.036	pCi/L	0.122	0.45	RL-7120
Thorium-232	UT	0.00301	pCi/L	0.12	0.365	RL-7120
Uranium-235		0.523	wt %	0.05		ST7106
Uranium-235	U	-4.97	pCi/L	0	0.851	RL-7124
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260

**MW182**

**GWES01-08**

**SemiAnnual Surveillance Monitoring - Revised EMP GWES01-08**

cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chromium, hexavalent	U	0.01 mg/L	0.01	SM-3500-Cr D 17
Hardness - Total as CaCO3		103 mg/L	20	EPA-130.2
Suspended Solids		38 mg/L	25	EPA-160.1

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**MW185**

**GWES02-01**

## SURVEILLANCE QUARTERLY - 1ST QUARTER - GWES02-01

**MW185ESQ1-02**

Collected: 12/17/2001

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.23	Inches/Hg			
Conductivity		440	umho/cm			
Depth to Water		50.31	ft			
Dissolved Oxygen		1.91	mg/L			
pH		6.3	Std Unit			
Temperature		56.2	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Alpha activity		37	pCi/L	5.87	9.24	EPA-900.0
Beta activity		745	pCi/L	21.9	6.99	EPA-900.0
Technetium-99		1040	pCi/L	32.4	18.9	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.5	mg/L		0.5	SW846-8260
1,1-Dichloroethane	U	0.5	mg/L		0.5	SW846-8260
Bromodichloromethane	U	0.5	mg/L		0.5	SW846-8260
Toluene	U	0.5	mg/L		0.5	SW846-8260
Total Xylene	U	1.5	mg/L		1.5	SW846-8260
trans-1,2-Dichloroethene	U	0.5	mg/L		0.5	SW846-8260
Trichloroethene	DX	4.6	mg/L		0.1	SW846-8260



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**MW186**

**GWES02-01**

## SURVEILLANCE QUARTERLY - 1ST QUARTER - GWES02-01

**MW186ESQ1-02**

Collected: 12/17/2001

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.23	Inches/Hg			
Conductivity		1425	umho/cm			
Depth to Water		7.81	ft			
Dissolved Oxygen		0.53	mg/L			
pH		6	Std Unit			
Temperature		57.8	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Alpha activity	U	17.7	pCi/L	7.93	19.2	EPA-900.0
Beta activity		42.5	pCi/L	5.98	14.2	EPA-900.0
Technetium-99		21	pCi/L	13.4	18.9	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.05	mg/L		0.05	SW846-8260
1,1-Dichloroethane	UX	0.05	mg/L		0.05	SW846-8260
Bromodichloromethane	U	0.05	mg/L		0.05	SW846-8260
cis-1,2-Dichloroethene	DX	0.37	mg/L		0.05	SW846-8260
Ethylbenzene	U	0.05	mg/L		0.05	SW846-8260
Tetrachloroethene	U	0.05	mg/L		0.05	SW846-8260
Toluene	U	0.05	mg/L		0.05	SW846-8260
Total Xylene	U	0.15	mg/L		0.15	SW846-8260
trans-1,2-Dichloroethene	U	0.05	mg/L		0.05	SW846-8260
Trichloroethene	D	0.092	mg/L		0.01	SW846-8260
Vinyl chloride	DX	0.52	mg/L		0.02	SW846-8260

**MW187**

**GWES02-01**

**SURVEILLANCE QUARTERLY - 1ST QUARTER - GWES02-01**

**MW187ESQ1-02**

Collected: 12/13/2001

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.47	Inches/Hg			
Conductivity		848	umho/cm			
Depth to Water		6.8	ft			
Dissolved Oxygen		0.51	mg/L			
pH		6.13	Std Unit			
Temperature		61.1	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Alpha activity	U	0.354	pCi/L	0.224	12.9	EPA-900.0
Beta activity		8.65	pCi/L	1.69	6.63	EPA-900.0
Technetium-99	U	9.89	pCi/L	10.9	15.7	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.1	mg/L		0.1	SW846-8260
1,1-Dichloroethane	U	0.1	mg/L		0.1	SW846-8260
Bromodichloromethane	U	0.1	mg/L		0.1	SW846-8260
cis-1,2-Dichloroethene	UX	0.1	mg/L		0.1	SW846-8260
Ethylbenzene	U	0.1	mg/L		0.1	SW846-8260
Toluene	U	0.1	mg/L		0.1	SW846-8260
Total Xylene	U	0.3	mg/L		0.3	SW846-8260
trans-1,2-Dichloroethene	U	0.1	mg/L		0.1	SW846-8260
Trichloroethene	DX	1.5	mg/L		0.02	SW846-8260

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**MW333**

**GWES02-01**

## SURVEILLANCE QUARTERLY - 1ST QUARTER - GWES02-01

**MW333ESQ1-02**

Collected: 12/17/2001

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.21	Inches/Hg			
Conductivity		213	umho/cm			
Depth to Water		53.2	ft			
Dissolved Oxygen		0.92	mg/L			
pH		5.97	Std Unit			
Temperature		61.8	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Alpha activity	U	1.86	pCi/L	1.12	4.06	EPA-900.0
Beta activity	U	-0.125	pCi/L	0.0292	5.33	EPA-900.0
Technetium-99	U	-0.337	pCi/L	0	18.9	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.025	mg/L		0.025	SW846-8260
1,1-Dichloroethane	U	0.025	mg/L		0.025	SW846-8260
Benzene	U	0.025	mg/L		0.025	SW846-8260
Bromodichloromethane	U	0.025	mg/L		0.025	SW846-8260
cis-1,2-Dichloroethene	UX	0.025	mg/L		0.025	SW846-8260
Ethylbenzene	U	0.025	mg/L		0.025	SW846-8260
Tetrachloroethene	U	0.025	mg/L		0.025	SW846-8260
Toluene	U	0.025	mg/L		0.025	SW846-8260
Total Xylene	U	0.075	mg/L		0.075	SW846-8260
trans-1,2-Dichloroethene	U	0.025	mg/L		0.025	SW846-8260
Trichloroethene	DX	0.39	mg/L		0.005	SW846-8260

**MW337**

**GWES02-01**

**SURVEILLANCE QUARTERLY - 1ST QUARTER - GWES02-01**

**MW337ESQ1-02**

Collected: 12/17/2001

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.21	Inches/Hg			
Conductivity		190	umho/cm			
Depth to Water		50.55	ft			
Dissolved Oxygen		4.27	mg/L			
pH		5.83	Std Unit			
Temperature		60.8	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Alpha activity		4.96	pCi/L	1.55	3.78	EPA-900.0
Beta activity		103	pCi/L	6.82	5.24	EPA-900.0
Technetium-99		158	pCi/L	17.3	18.9	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.01	mg/L		0.01	SW846-8260
1,1,2-Trichloroethane	U	0.01	mg/L		0.01	SW846-8260
1,1-Dichloroethane	U	0.01	mg/L		0.01	SW846-8260
1,2-Dichloroethane	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.01	mg/L		0.01	SW846-8260
Bromodichloromethane	U	0.01	mg/L		0.01	SW846-8260
Carbon tetrachloride	U	0.01	mg/L		0.01	SW846-8260
cis-1,2-Dichloroethene	UX	0.01	mg/L		0.01	SW846-8260
Ethylbenzene	U	0.01	mg/L		0.01	SW846-8260
Tetrachloroethene	U	0.01	mg/L		0.01	SW846-8260
Toluene	U	0.01	mg/L		0.01	SW846-8260
Total Xylene	U	0.03	mg/L		0.03	SW846-8260
trans-1,2-Dichloroethene	U	0.01	mg/L		0.01	SW846-8260
Trichloroethene	DX	0.15	mg/L		0.002	SW846-8260

**MW338**

**GWES02-01**

**SURVEILLANCE QUARTERLY - 1ST QUARTER - GWES02-01**

**MW338ESQ1-02**

Collected: 12/17/2001

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.21	Inches/Hg			
Conductivity		176	umho/cm			
Depth to Water		50.82	ft			
Dissolved Oxygen		4.1	mg/L			
pH		5.78	Std Unit			
Temperature		61.8	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Alpha activity	U	1.14	pCi/L	0.757	3.85	EPA-900.0
Beta activity	U	0.738	pCi/L	0.165	5.26	EPA-900.0
Technetium-99	U	-20.6	pCi/L	0	18.9	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene		0.024	mg/L		0.001	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260

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**MW339**

**GWES02-01**

## SURVEILLANCE QUARTERLY - 1ST QUARTER - GWES02-01

**MW339ESQ1-02**

Collected: 12/19/2001

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.32	Inches/Hg			
Conductivity		499	umho/cm			
Depth to Water		50.36	ft			
Dissolved Oxygen		0.98	mg/L			
pH		5.91	Std Unit			
Temperature		60.3	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Alpha activity		30.4	pCi/L	2.65	8	EPA-900.0
Beta activity		2590	pCi/L	38.9	5.47	EPA-900.0
Technetium-99		3340	pCi/L	52.4	16.1	RL-7100
<b>VOA</b>						
Bromodichloromethane	U	5	mg/L		5	SW846-8260
Trichloroethene	DX	21	mg/L		1	SW846-8260

**MW340**

**GWES02-01**

**SURVEILLANCE QUARTERLY - 1ST QUARTER - GWES02-01**

**MW340ESQ1-02**

Collected: 12/17/2001

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.21	Inches/Hg			
Conductivity		457	umho/cm			
Depth to Water		50.91	ft			
Dissolved Oxygen		3.27	mg/L			
pH		5.9	Std Unit			
Temperature		60.3	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Alpha activity		15.4	pCi/L	3.02	6.78	EPA-900.0
Beta activity		451	pCi/L	16	6.2	EPA-900.0
Technetium-99		660	pCi/L	26.9	18.9	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.1	mg/L		0.1	SW846-8260
1,1-Dichloroethane	U	0.1	mg/L		0.1	SW846-8260
Bromodichloromethane	U	0.1	mg/L		0.1	SW846-8260
cis-1,2-Dichloroethene	U	0.1	mg/L		0.1	SW846-8260
Ethylbenzene	U	0.1	mg/L		0.1	SW846-8260
Toluene	U	0.1	mg/L		0.1	SW846-8260
Total Xylene	U	0.3	mg/L		0.3	SW846-8260
trans-1,2-Dichloroethene	U	0.1	mg/L		0.1	SW846-8260
Trichloroethene	DX	1.1	mg/L		0.02	SW846-8260

**MW346**

**GWES02-01**

**SURVEILLANCE QUARTERLY - 1ST QUARTER - GWES02-01**

**MW346ESQ1-02**

Collected: 12/18/2001

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.53	Inches/Hg			
Conductivity		512	umho/cm			
Depth to Water		47.1	ft			
Dissolved Oxygen		0.43	mg/L			
pH		8	Std Unit			
Temperature		59.8	deg F			
<b>METAL</b>						
Uranium		0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Alpha activity	U	3.71	pCi/L	1.7	7.88	EPA-900.0
Beta activity		12.1	pCi/L	2.07	5.45	EPA-900.0
Technetium-99	U	6.32	pCi/L	11.1	16.1	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene	U	0.001	mg/L		0.001	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260



**MW63**

**GWES02-01**

**SURVEILLANCE QUARTERLY - 1ST QUARTER - GWES02-01**

**MW63ESQ1-02**

Collected: 12/11/2001

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.77	Inches/Hg			
Conductivity		210	umho/cm			
Depth to Water		49.86	ft			
Dissolved Oxygen		3.68	mg/L			
pH		6	Std Unit			
Temperature		60.4	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Alpha activity	U	1.29	pCi/L	0.689	5.49	EPA-900.0
Beta activity		9.21	pCi/L	1.64	4.88	EPA-900.0
Technetium-99	U	9.01	pCi/L	12.1	17.5	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene		0.013	mg/L		0.001	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260

**MW65**

**GWES02-01**

**SURVEILLANCE QUARTERLY - 1ST QUARTER - GWES02-01**

**MW65ESQ1-02**

Collected: 12/11/2001

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.77	Inches/Hg			
Conductivity		173	umho/cm			
Depth to Water		49.91	ft			
Dissolved Oxygen		3.08	mg/L			
pH		5.9	Std Unit			
Temperature		60.3	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Alpha activity	U	-1.35	pCi/L	0.957	4.96	EPA-900.0
Beta activity		17.2	pCi/L	2.48	4.75	EPA-900.0
Technetium-99	U	15.2	pCi/L	12.3	17.5	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	UX	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene		0.026	mg/L		0.001	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260

**MW185**

**GWES02-02**

**SURVEILLANCE QUARTERLY - 2ND QUARTER - GWES02-02**

**MW185ESQ2-02**

Collected: 3/11/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.76	Inches/Hg			
Barometric Pressure Reading		29.76	Inches/Hg			
Conductivity		515	umho/cm			
Conductivity		515	umho/cm			
Depth to Water		47.52	ft			
Depth to Water		47.52	ft			
Dissolved Oxygen		1.5	mg/L			
Dissolved Oxygen		1.5	mg/L			
pH		6.34	Std Unit			
pH		6.34	Std Unit			
Temperature		58.8	deg F			
Temperature		58.8	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Activity of U-235	U	-3.96	pCi/L	0	0.632	RL-7124
Alpha activity	U	-11.1	pCi/L	2.11	5.42	EPA-900.0
Americium-241	U	-40.4	pCi/L	80.8	37.3	RL-7124
Beta activity		589	pCi/L	18.7	5.88	EPA-900.0
Cesium-134	U	-2.89	pCi/L	5.78	13.2	RL-7124
Cesium-137	U	1.99	pCi/L	3.98	16	RL-7124
Cobalt-60	U	-3.4	pCi/L	6.8	21.2	RL-7124
Dissolved Alpha		13.7	pCi/L	3.54	8.62	EPA-900.0
Dissolved Beta		385	pCi/L	19.5	10.3	EPA-900.0
Neptunium-237	U	-0.271	pCi/L	0.163	0.989	RL-7103
Plutonium-238	U	-0.0598	pCi/L	0.106	0.334	RL-7120
Plutonium-239/240	U	-0.0136	pCi/L	0.0313	0.166	RL-7120
Potassium-40	U	168	pCi/L	229	183	RL-7124
Technetium-99		840	pCi/L	27.6	16.2	RL-7100
Thorium-228	U	0.00896	pCi/L	0.0295	0.249	RL-7120
Thorium-230	U	-0.0189	pCi/L	0.0414	0.432	RL-7120
Thorium-232	U	0.00034	pCi/L	0.0239	0.141	RL-7120
Uranium-238	U	0	pCi/L	0	10.3	RL-7124
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.5	mg/L		0.5	SW846-8260
1,1-Dichloroethane	U	0.5	mg/L		0.5	SW846-8260
Bromodichloromethane	U	0.5	mg/L		0.5	SW846-8260
Toluene	U	0.5	mg/L		0.5	SW846-8260
Total Xylene	U	1.5	mg/L		1.5	SW846-8260
trans-1,2-Dichloroethene	U	0.5	mg/L		0.5	SW846-8260
Trichloroethene	DX	3.7	mg/L		0.1	SW846-8260

**MW186**

**GWES02-02**

**SURVEILLANCE QUARTERLY - 2ND QUARTER - GWES02-02**

**MW186ESQ2-02**

Collected: 3/12/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.41	Inches/Hg			
Barometric Pressure Reading		29.41	Inches/Hg			
Conductivity		1448	umho/cm			
Conductivity		1448	umho/cm			
Depth to Water		7.17	ft			
Depth to Water		7.17	ft			
Dissolved Oxygen		0	mg/L			
Dissolved Oxygen		0	mg/L			
pH		5.95	Std Unit			
pH		5.95	Std Unit			
Temperature		56.8	deg F			
Temperature		56.8	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Activity of U-235	U	0	pCi/L	0	0.577	RL-7124
Alpha activity		16.2	pCi/L	7.24	15.4	EPA-900.0
Americium-241	U	-23.9	pCi/L	47.9	63	RL-7124
Beta activity		58.8	pCi/L	7.72	13.4	EPA-900.0
Cesium-134	U	4.82	pCi/L	9.64	14.2	RL-7124
Cesium-137	U	6.83	pCi/L	13.7	16	RL-7124
Cobalt-60	U	4.47	pCi/L	8.94	15	RL-7124
Dissolved Alpha	U	4.16	pCi/L	2.63	15.1	EPA-900.0
Dissolved Beta		61.1	pCi/L	7.86	12.9	EPA-900.0
Neptunium-237	U	-0.496	pCi/L	0.405	0.989	RL-7103
Plutonium-238	U	-0.0358	pCi/L	0.112	0.335	RL-7120
Plutonium-239/240	U	0.0482	pCi/L	0.0574	0.162	RL-7120
Potassium-40	U	-50.3	pCi/L	101	295	RL-7124
Technetium-99		20.6	pCi/L	11.6	16.2	RL-7100
Thorium-228	U	0.00058	pCi/L	0.0401	0.273	RL-7120
Thorium-230	U	-0.0332	pCi/L	0.0488	0.454	RL-7120
Thorium-232	U	-0.0133	pCi/L	0.0487	0.185	RL-7120
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.05	mg/L		0.05	SW846-8260
1,1-Dichloroethane	UX	0.05	mg/L		0.05	SW846-8260
Bromodichloromethane	U	0.05	mg/L		0.05	SW846-8260
cis-1,2-Dichloroethene	DX	0.38	mg/L		0.05	SW846-8260
Ethylbenzene	U	0.05	mg/L		0.05	SW846-8260
Tetrachloroethene	U	0.05	mg/L		0.05	SW846-8260
Toluene	U	0.05	mg/L		0.05	SW846-8260
Total Xylene	U	0.15	mg/L		0.15	SW846-8260
trans-1,2-Dichloroethene	U	0.05	mg/L		0.05	SW846-8260
Trichloroethene	DX	0.082	mg/L		0.01	SW846-8260
Vinyl chloride	DX	0.47	mg/L		0.02	SW846-8260

**MW187**

**GWES02-02**

**SURVEILLANCE QUARTERLY - 2ND QUARTER - GWES02-02**

**MW187ESQ2-02**

Collected: 3/11/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.76	Inches/Hg			
Barometric Pressure Reading		29.76	Inches/Hg			
Conductivity		849	umho/cm			
Conductivity		849	umho/cm			
Depth to Water		6.72	ft			
Depth to Water		6.72	ft			
Dissolved Oxygen		1.69	mg/L			
Dissolved Oxygen		1.69	mg/L			
pH		6.36	Std Unit			
pH		6.36	Std Unit			
Temperature		58.4	deg F			
Temperature		58.4	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Activity of U-235	U	-10.1	pCi/L	0	0.631	RL-7124
Alpha activity	U	6.63	pCi/L	3.68	8.02	EPA-900.0
Americium-241	U	-3.9	pCi/L	7.79	44.6	RL-7124
Beta activity	U	5.78	pCi/L	1.19	6.85	EPA-900.0
Cesium-134	U	3.62	pCi/L	7.25	17.5	RL-7124
Cesium-137	U	-3.59	pCi/L	7.18	18.8	RL-7124
Cobalt-60	U	0.8	pCi/L	1.6	19.8	RL-7124
Dissolved Alpha	U	-0.0228	pCi/L	0.0204	13.1	EPA-900.0
Dissolved Beta	U	0.292	pCi/L	0.0725	11.7	EPA-900.0
Neptunium-237	U	-0.181	pCi/L	0.1	0.989	RL-7103
Plutonium-238	U	0.00064	pCi/L	0.113	0.333	RL-7120
Plutonium-239/240	U	-0.0344	pCi/L	0.0276	0.162	RL-7120
Potassium-40	U	-181	pCi/L	362	382	RL-7124
Technetium-99	U	-6.81	pCi/L	0	16.2	RL-7100
Thorium-228	U	0.00248	pCi/L	0.0701	0.259	RL-7120
Thorium-230	U	0.00242	pCi/L	0.0643	0.441	RL-7120
Thorium-232	U	0.0107	pCi/L	0.0352	0.153	RL-7120
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.1	mg/L		0.1	SW846-8260
1,1-Dichloroethane	U	0.1	mg/L		0.1	SW846-8260
Bromodichloromethane	U	0.1	mg/L		0.1	SW846-8260
cis-1,2-Dichloroethene	UX	0.1	mg/L		0.1	SW846-8260
Ethylbenzene	U	0.1	mg/L		0.1	SW846-8260
Toluene	U	0.1	mg/L		0.1	SW846-8260
Total Xylene	U	0.3	mg/L		0.3	SW846-8260
trans-1,2-Dichloroethene	U	0.1	mg/L		0.1	SW846-8260
Trichloroethene	DX	1.2	mg/L		0.02	SW846-8260

**MW333**

**GWES02-02**

**SURVEILLANCE QUARTERLY - 2ND QUARTER - GWES02-02**

**MW333ESQ2-02**

Collected: 3/13/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.47	Inches/Hg			
Barometric Pressure Reading		29.47	Inches/Hg			
Conductivity		223	umho/cm			
Conductivity		223	umho/cm			
Depth to Water		50.25	ft			
Depth to Water		50.25	ft			
Dissolved Oxygen		0.89	mg/L			
Dissolved Oxygen		0.89	mg/L			
pH		6.03	Std Unit			
pH		6.03	Std Unit			
Temperature		61.5	deg F			
Temperature		61.5	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Activity of U-235	U	-3.95	pCi/L	0	0.646	RL-7124
Alpha activity	U	1.13	pCi/L	0.681	6.31	EPA-900.0
Americium-241	U	-12.6	pCi/L	25.1	42.1	RL-7124
Beta activity	U	0.94	pCi/L	0.231	5.17	EPA-900.0
Cesium-134	U	-2.19	pCi/L	4.38	16	RL-7124
Cesium-137	U	1.45	pCi/L	2.9	17.3	RL-7124
Cobalt-60	U	-8.58	pCi/L	17.2	18.2	RL-7124
Dissolved Alpha	U	1.21	pCi/L	1.08	6.6	EPA-900.0
Dissolved Beta	U	0.256	pCi/L	0.066	9.84	EPA-900.0
Neptunium-237	U	-0.554	pCi/L	0.286	1.33	RL-7103
Plutonium-238	U	-0.0085	pCi/L	0.111	0.332	RL-7120
Plutonium-239/240	U	0.00951	pCi/L	0.0425	0.16	RL-7120
Potassium-40	U	-245	pCi/L	490	377	RL-7124
Technetium-99	U	-0.654	pCi/L	0	17.1	RL-7100
Thorium-228	U	0.00033	pCi/L	0.0229	0.245	RL-7120
Thorium-230	U	0.0714	pCi/L	0.0595	0.43	RL-7120
Thorium-232	U	0.00925	pCi/L	0.043	0.143	RL-7120
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.025	mg/L		0.025	SW846-8260
1,1-Dichloroethane	U	0.025	mg/L		0.025	SW846-8260
Benzene	U	0.025	mg/L		0.025	SW846-8260
Bromodichloromethane	U	0.025	mg/L		0.025	SW846-8260
cis-1,2-Dichloroethene	UX	0.025	mg/L		0.025	SW846-8260
Ethylbenzene	U	0.025	mg/L		0.025	SW846-8260
Tetrachloroethene	U	0.025	mg/L		0.025	SW846-8260
Toluene	U	0.025	mg/L		0.025	SW846-8260
Total Xylene	U	0.075	mg/L		0.075	SW846-8260
trans-1,2-Dichloroethene	U	0.025	mg/L		0.025	SW846-8260
Trichloroethene	DX	0.41	mg/L		0.005	SW846-8260

## MW337

## GWES02-02

## SURVEILLANCE QUARTERLY - 2ND QUARTER - GWES02-02

## MW337ESQ2-02

Collected: 3/13/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.44	Inches/Hg			
Barometric Pressure Reading		29.44	Inches/Hg			
Conductivity		211	umho/cm			
Conductivity		211	umho/cm			
Depth to Water		47.67	ft			
Depth to Water		47.67	ft			
Dissolved Oxygen		3.68	mg/L			
Dissolved Oxygen		3.68	mg/L			
pH		5.96	Std Unit			
pH		5.96	Std Unit			
Temperature		62.6	deg F			
Temperature		62.6	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Activity of U-235	U	-7.31	pCi/L	0	0.628	RL-7124
Alpha activity	U	4.6	pCi/L	1.65	6.34	EPA-900.0
Americium-241	U	-30.5	pCi/L	61	40.4	RL-7124
Beta activity		68	pCi/L	5.73	5.18	EPA-900.0
Cesium-134	U	0.638	pCi/L	1.28	14.5	RL-7124
Cesium-137	U	2.03	pCi/L	4.05	18.8	RL-7124
Cobalt-60	U	-13.2	pCi/L	26.3	17.1	RL-7124
Dissolved Alpha	U	-1.83	pCi/L	1.64	6.25	EPA-900.0
Dissolved Beta		59.2	pCi/L	6.91	9.7	EPA-900.0
Neptunium-237	U	-0.201	pCi/L	0.0858	1.33	RL-7103
Plutonium-238	U	0.0491	pCi/L	0.116	0.332	RL-7120
Plutonium-239/240	U	0.0229	pCi/L	0.0527	0.161	RL-7120
Potassium-40	U	-225	pCi/L	451	373	RL-7124
Technetium-99		91.3	pCi/L	13.8	16.2	RL-7100
Thorium-228	U	0.0161	pCi/L	0.0228	0.244	RL-7120
Thorium-230	U	-0.0183	pCi/L	0.05	0.429	RL-7120
Thorium-232	U	-0.0148	pCi/L	0.0384	0.145	RL-7120
Uranium-238	U	0	pCi/L	0	10.2	RL-7124
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.025	mg/L		0.025	SW846-8260
1,1-Dichloroethane	U	0.025	mg/L		0.025	SW846-8260
Benzene	U	0.025	mg/L		0.025	SW846-8260
Bromodichloromethane	U	0.025	mg/L		0.025	SW846-8260
cis-1,2-Dichloroethene	UX	0.025	mg/L		0.025	SW846-8260
Ethylbenzene	U	0.025	mg/L		0.025	SW846-8260
Tetrachloroethene	U	0.025	mg/L		0.025	SW846-8260
Toluene	U	0.025	mg/L		0.025	SW846-8260
Total Xylene	U	0.075	mg/L		0.075	SW846-8260
trans-1,2-Dichloroethene	U	0.025	mg/L		0.025	SW846-8260
Trichloroethene	DX	0.24	mg/L		0.005	SW846-8260

**MW338**

**GWES02-02**

**SURVEILLANCE QUARTERLY - 2ND QUARTER - GWES02-02**

**MW338ESQ2-02**

Collected: 3/13/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.44	Inches/Hg			
Barometric Pressure Reading		29.44	Inches/Hg			
Conductivity		171	umho/cm			
Conductivity		171	umho/cm			
Depth to Water		47.89	ft			
Depth to Water		47.89	ft			
Dissolved Oxygen		3.06	mg/L			
Dissolved Oxygen		3.06	mg/L			
pH		5.93	Std Unit			
pH		5.93	Std Unit			
Temperature		62.6	deg F			
Temperature		62.6	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Activity of U-235	U	0	pCi/L	0	0.574	RL-7124
Alpha activity	U	-0.652	pCi/L	0.493	6.17	EPA-900.0
Americium-241	U	-23.5	pCi/L	47	60	RL-7124
Beta activity	U	4	pCi/L	0.848	5.14	EPA-900.0
Cesium-134	U	-2.6	pCi/L	5.19	14.2	RL-7124
Cesium-137	U	0.7	pCi/L	1.4	14.5	RL-7124
Cobalt-60	U	-9.88	pCi/L	19.8	14.1	RL-7124
Dissolved Alpha		8.97	pCi/L	3.92	5.47	EPA-900.0
Dissolved Beta	U	3.41	pCi/L	0.797	9.37	EPA-900.0
Neptunium-237	U	-0.856	pCi/L	0.57	1.33	RL-7103
Plutonium-238	U	-0.12	pCi/L	0.098	0.334	RL-7120
Plutonium-239/240	U	-0.0195	pCi/L	0.0442	0.161	RL-7120
Potassium-40	U	41.8	pCi/L	83.6	302	RL-7124
Technetium-99	U	1.2	pCi/L	11.6	17.1	RL-7100
Thorium-228	U	0.0519	pCi/L	0.0484	0.245	RL-7120
Thorium-230	U	0.0242	pCi/L	0.0564	0.434	RL-7120
Thorium-232	U	0.0601	pCi/L	0.0454	0.142	RL-7120
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	UX	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene		0.078	mg/L		0.001	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260



**MW339**

**GWES02-02**

**SURVEILLANCE QUARTERLY - 2ND QUARTER - GWES02-02**

**MW339ESQ2-02**

Collected: 3/20/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.59	Inches/Hg			
Barometric Pressure Reading		29.59	Inches/Hg			
Conductivity		499	umho/cm			
Conductivity		499	umho/cm			
Depth to Water		47.27	ft			
Depth to Water		47.27	ft			
Dissolved Oxygen		0.7	mg/L			
Dissolved Oxygen		0.7	mg/L			
pH		5.78	Std Unit			
pH		5.78	Std Unit			
Temperature		60.8	deg F			
Temperature		60.8	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Activity of U-235	U	0	pCi/L	0	0.637	RL-7124
Alpha activity		63	pCi/L	5.82	8.46	EPA-900.0
Americium-241	U	-26.9	pCi/L	53.8	38.2	RL-7124
Beta activity		2230	pCi/L	36.1	5.67	EPA-900.0
Cesium-134	U	2.74	pCi/L	5.47	15.2	RL-7124
Cesium-137	U	8.21	pCi/L	16.4	19.8	RL-7124
Cobalt-60	U	-17.9	pCi/L	35.8	15.6	RL-7124
Dissolved Alpha		114	pCi/L	12.6	8.27	EPA-900.0
Dissolved Beta		2180	pCi/L	48.5	10.5	EPA-900.0
Neptunium-237	U	-0.705	pCi/L	0.407	1.33	RL-7103
Plutonium-238	U	0.0507	pCi/L	0.121	0.303	RL-7120
Plutonium-239/240	U	-0.0142	pCi/L	0.037	0.156	RL-7120
Potassium-40	U	-285	pCi/L	569	362	RL-7124
Technetium-99		3330	pCi/L	53.9	17.1	RL-7100
Thorium-228	U	0.00039	pCi/L	0.0268	0.255	RL-7120
Thorium-230	U	0.0268	pCi/L	0.0603	0.437	RL-7120
Thorium-232	U	0.00039	pCi/L	0.0267	0.149	RL-7120
Uranium-238	U	0	pCi/L	0	10.4	RL-7124
<b>VOA</b>						
1,1,1-Trichloroethane	U	2.5	mg/L		2.5	SW846-8260
1,1-Dichloroethane	U	2.5	mg/L		2.5	SW846-8260
Bromodichloromethane	U	2.5	mg/L		2.5	SW846-8260
Toluene	U	2.5	mg/L		2.5	SW846-8260
Total Xylene	U	7.5	mg/L		7.5	SW846-8260
Trichloroethene	DX	19	mg/L		0.5	SW846-8260

## MW340

## GWES02-02

## SURVEILLANCE QUARTERLY - 2ND QUARTER - GWES02-02

## MW340ESQ2-02

Collected: 3/12/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.41	Inches/Hg			
Barometric Pressure Reading		29.41	Inches/Hg			
Conductivity		443	umho/cm			
Conductivity		443	umho/cm			
Depth to Water		47.85	ft			
Depth to Water		47.85	ft			
Dissolved Oxygen		1.56	mg/L			
Dissolved Oxygen		1.56	mg/L			
pH		5.94	Std Unit			
pH		5.94	Std Unit			
Temperature		61	deg F			
Temperature		61	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Activity of U-235	U	-6.72	pCi/L	0	0.57	RL-7124
Alpha activity	U	-6.26	pCi/L	1.42	5.88	EPA-900.0
Americium-241	U	-35.1	pCi/L	70.2	62	RL-7124
Beta activity		403	pCi/L	15.6	6.04	EPA-900.0
Cesium-134	U	-0.0112	pCi/L	0.0223	12.6	RL-7124
Cesium-137	U	-0.676	pCi/L	1.35	14.8	RL-7124
Cobalt-60	U	-6.95	pCi/L	13.9	12.4	RL-7124
Dissolved Alpha		25.5	pCi/L	6.28	8.07	EPA-900.0
Dissolved Beta		355	pCi/L	19.2	10.4	EPA-900.0
Neptunium-237	U	-0.316	pCi/L	0.2	0.989	RL-7103
Plutonium-238	U	-0.0652	pCi/L	0.103	0.333	RL-7120
Plutonium-239/240	U	-0.015	pCi/L	0.0351	0.16	RL-7120
Potassium-40	U	62.5	pCi/L	125	308	RL-7124
Technetium-99		522	pCi/L	22.8	16.2	RL-7100
Thorium-228	U	0.0485	pCi/L	0.0396	0.245	RL-7120
Thorium-230	U	0.0134	pCi/L	0.0506	0.43	RL-7120
Thorium-232	U	0.00032	pCi/L	0.0224	0.15	RL-7120
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.05	mg/L		0.05	SW846-8260
1,1-Dichloroethane	U	0.05	mg/L		0.05	SW846-8260
Bromodichloromethane	U	0.05	mg/L		0.05	SW846-8260
cis-1,2-Dichloroethene	UX	0.05	mg/L		0.05	SW846-8260
Ethylbenzene	U	0.05	mg/L		0.05	SW846-8260
Tetrachloroethene	U	0.05	mg/L		0.05	SW846-8260
Toluene	U	0.05	mg/L		0.05	SW846-8260
Total Xylene	U	0.15	mg/L		0.15	SW846-8260
trans-1,2-Dichloroethene	U	0.05	mg/L		0.05	SW846-8260
Trichloroethene	DX	1	mg/L		0.01	SW846-8260

## MW346

## GWES02-02

## SURVEILLANCE QUARTERLY - 2ND QUARTER - GWES02-02

## MW346ESQ2-02

Collected: 3/20/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.59	Inches/Hg			
Barometric Pressure Reading		29.59	Inches/Hg			
Conductivity		528	umho/cm			
Conductivity		528	umho/cm			
Depth to Water		46.15	ft			
Depth to Water		46.15	ft			
Dissolved Oxygen		0.95	mg/L			
Dissolved Oxygen		0.95	mg/L			
pH		7.9	Std Unit			
pH		7.9	Std Unit			
Temperature		57.8	deg F			
Temperature		57.8	deg F			
<b>RADS</b>						
Activity of U-235	U	-6.63	pCi/L	0	0.637	RL-7124
Alpha activity	U	2.45	pCi/L	1.31	8.14	EPA-900.0
Americium-241	U	-18.4	pCi/L	36.8	38.6	RL-7124
Beta activity		7.84	pCi/L	1.48	5.59	EPA-900.0
Cesium-134	U	1.05	pCi/L	2.09	14.9	RL-7124
Cesium-137	U	2.27	pCi/L	4.54	16.7	RL-7124
Cobalt-60	U	-12.4	pCi/L	24.8	16.7	RL-7124
Dissolved Alpha		13.1	pCi/L	5.6	7.79	EPA-900.0
Dissolved Beta	U	9.89	pCi/L	2.02	10.3	EPA-900.0
Neptunium-237	U	-0.956	pCi/L	0.723	1.33	RL-7103
Plutonium-238	U	-0.0706	pCi/L	0.0994	0.302	RL-7120
Plutonium-239/240	U	-0.0234	pCi/L	0.036	0.152	RL-7120
Potassium-40	U	-155	pCi/L	309	402	RL-7124
Technetium-99	U	10.2	pCi/L	11.9	17.1	RL-7100
Thorium-228	U	0.0918	pCi/L	0.0631	0.253	RL-7120
Thorium-230	U	0.0244	pCi/L	0.0512	0.437	RL-7120
Thorium-232	U	0.00037	pCi/L	0.0253	0.152	RL-7120
Uranium-238	U	0	pCi/L	0	10.4	RL-7124
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene	U	0.001	mg/L		0.001	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260

**MW63**

**GWES02-02**

**SURVEILLANCE QUARTERLY - 2ND QUARTER - GWES02-02**

**MW63ESQ2-02**

Collected: 3/7/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.77	Inches/Hg			
Barometric Pressure Reading		29.77	Inches/Hg			
Conductivity		231	umho/cm			
Conductivity		231	umho/cm			
Depth to Water		46.31	ft			
Depth to Water		46.31	ft			
Dissolved Oxygen		3.96	mg/L			
Dissolved Oxygen		3.96	mg/L			
pH		6.18	Std Unit			
pH		6.18	Std Unit			
Temperature		62.5	deg F			
Temperature		62.5	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Activity of U-235	U	-3.92	pCi/L	0	0.628	RL-7124
Alpha activity	U	2.04	pCi/L	1.18	3.61	EPA-900.0
Americium-241	U	-38	pCi/L	75.9	37.6	RL-7124
Beta activity		11.6	pCi/L	1.9	5.21	EPA-900.0
Cesium-134	U	-8.11	pCi/L	16.2	13.4	RL-7124
Cesium-137	U	-0.21	pCi/L	0.419	16	RL-7124
Cobalt-60	U	-14.1	pCi/L	28.3	18.9	RL-7124
Dissolved Alpha	U	5.7	pCi/L	2.85	6.97	EPA-900.0
Dissolved Beta	U	2.69	pCi/L	0.621	9.77	EPA-900.0
Neptunium-237	U	0.0903	pCi/L	0.0414	0.989	RL-7103
Plutonium-238	U	0.0419	pCi/L	0.125	0.34	RL-7120
Plutonium-239/240	U	-0.0089	pCi/L	0.0423	0.18	RL-7120
Potassium-40	U	-223	pCi/L	446	371	RL-7124
Technetium-99	U	0.808	pCi/L	12.8	18.9	RL-7100
Thorium-228	U	-0.0049	pCi/L	0.044	0.259	RL-7120
Thorium-230	U	0.0381	pCi/L	0.0602	0.44	RL-7120
Thorium-232	U	0.0205	pCi/L	0.029	0.159	RL-7120
Uranium-238	U	0	pCi/L	0	10.2	RL-7124
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene		0.012	mg/L		0.001	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260

MW63

GWES02-02

SURVEILLANCE QUARTERLY - 2ND QUARTER - GWES02-02

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**MW65**

**GWES02-02**

**SURVEILLANCE QUARTERLY - 2ND QUARTER - GWES02-02**

**MW65ESQ2-02**

Collected: 3/5/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.91	Inches/Hg			
Barometric Pressure Reading		29.91	Inches/Hg			
Conductivity		178.5	umho/cm			
Conductivity		178.5	umho/cm			
Depth to Water		46.64	ft			
Depth to Water		46.64	ft			
Dissolved Oxygen		3.29	mg/L			
Dissolved Oxygen		3.29	mg/L			
pH		6.05	Std Unit			
pH		6.05	Std Unit			
Temperature		58.9	deg F			
Temperature		58.9	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Activity of U-235	U	-5.72	pCi/L	0	0.637	RL-7124
Alpha activity	U	2.81	pCi/L	1.45	3.33	EPA-900.0
Americium-241	U	-26.3	pCi/L	52.6	37.9	RL-7124
Beta activity		11.3	pCi/L	1.86	5.1	EPA-900.0
Cesium-134	U	4.14	pCi/L	8.28	14.9	RL-7124
Cesium-137	U	1.5	pCi/L	3	16.4	RL-7124
Cobalt-60	U	-18.2	pCi/L	36.3	16.1	RL-7124
Dissolved Alpha	U	-0.639	pCi/L	0.572	6.41	EPA-900.0
Dissolved Beta		13.6	pCi/L	2.48	9.57	EPA-900.0
Neptunium-237	U	0.316	pCi/L	0.129	0.989	RL-7103
Plutonium-238	U	-0.031	pCi/L	0.109	0.336	RL-7120
Plutonium-239/240	U	0.0322	pCi/L	0.0458	0.174	RL-7120
Potassium-40	U	-50	pCi/L	100	414	RL-7124
Technetium-99	U	4.44	pCi/L	13	18.9	RL-7100
Thorium-228	U	0.00882	pCi/L	0.0378	0.266	RL-7120
Thorium-230	U	0.316	pCi/L	0.117	0.447	RL-7120
Thorium-232	U	-0.0003	pCi/L	0.0535	0.162	RL-7120
Uranium-238	U	0	pCi/L	0	10.4	RL-7124
<b>VOA</b>						
1,1,1-Trichloroethane	UX	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	UX	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	UX	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	UX	0.005	mg/L		0.005	SW846-8260
Benzene	UX	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	UX	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	UX	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	UX	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	UX	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	UX	0.005	mg/L		0.005	SW846-8260
Toluene	UX	0.005	mg/L		0.005	SW846-8260
Total Xylene	UX	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	UX	0.005	mg/L		0.005	SW846-8260
Trichloroethene	X	0.027	mg/L		0.001	SW846-8260
Vinyl chloride	UX	0.002	mg/L		0.002	SW846-8260

MW65

GWES02-02

SURVEILLANCE QUARTERLY - 2ND QUARTER - GWES02-02

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**MW185**

**GWES02-03**

**SURVEILLANCE QUARTERLY - 3RD QUARTER - GWES02-03**

**MW185ESQ3-02**

Collected: 6/6/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.47	Inches/Hg			
Conductivity		498	umho/cm			
Depth to Water		41.3	ft			
Dissolved Oxygen		1.49	mg/L			
pH		6.22	Std Unit			
Temperature		61.9	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Alpha activity	U	-0.349	pCi/L	0.0735	8.35	EPA-900.0
Beta activity		517	pCi/L	17.2	6.51	EPA-900.0
Technetium-99		785	pCi/L	28.4	17.3	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.5	mg/L		0.5	SW846-8260
1,1-Dichloroethane	U	0.5	mg/L		0.5	SW846-8260
Bromodichloromethane	U	0.5	mg/L		0.5	SW846-8260
Toluene	U	0.5	mg/L		0.5	SW846-8260
Total Xylene	U	1.5	mg/L		1.5	SW846-8260
trans-1,2-Dichloroethene	U	0.5	mg/L		0.5	SW846-8260
Trichloroethene	DX	3.5	mg/L		0.1	SW846-8260



**MW186**

**GWES02-03**

**SURVEILLANCE QUARTERLY - 3RD QUARTER - GWES02-03**

**MW186ESQ3-02**

Collected: 6/6/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.47	Inches/Hg			
Conductivity		1510	umho/cm			
Depth to Water		6.52	ft			
Dissolved Oxygen		0	mg/L			
pH		5.73	Std Unit			
Temperature		60.4	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Alpha activity	U	9.15	pCi/L	4.58	25.9	EPA-900.0
Beta activity		41.8	pCi/L	6.18	18.3	EPA-900.0
Technetium-99	BU	10.5	pCi/L	11.6	16.9	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.05	mg/L		0.05	SW846-8260
1,1-Dichloroethane	UX	0.05	mg/L		0.05	SW846-8260
Bromodichloromethane	U	0.05	mg/L		0.05	SW846-8260
cis-1,2-Dichloroethene	DX	0.4	mg/L		0.05	SW846-8260
Ethylbenzene	U	0.05	mg/L		0.05	SW846-8260
Tetrachloroethene	U	0.05	mg/L		0.05	SW846-8260
Toluene	U	0.05	mg/L		0.05	SW846-8260
Total Xylene	U	0.15	mg/L		0.15	SW846-8260
trans-1,2-Dichloroethene	U	0.05	mg/L		0.05	SW846-8260
Trichloroethene	DX	0.15	mg/L		0.01	SW846-8260
Vinyl chloride	DX	0.67	mg/L		0.02	SW846-8260

**MW187**

**GWES02-03**

**SURVEILLANCE QUARTERLY - 3RD QUARTER - GWES02-03**

**MW187ESQ3-02**

Collected: 6/5/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.38	Inches/Hg			
Conductivity		854	umho/cm			
Depth to Water		7.13	ft			
Dissolved Oxygen		0.18	mg/L			
pH		6.19	Std Unit			
Temperature		62.6	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Alpha activity	U	6.5	pCi/L	3.25	11.3	EPA-900.0
Beta activity	U	2.78	pCi/L	0.614	6.59	EPA-900.0
Technetium-99	U	-12.8	pCi/L	0	17.3	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.1	mg/L		0.1	SW846-8260
1,1-Dichloroethane	U	0.1	mg/L		0.1	SW846-8260
Bromodichloromethane	U	0.1	mg/L		0.1	SW846-8260
cis-1,2-Dichloroethene	UX	0.1	mg/L		0.1	SW846-8260
Ethylbenzene	U	0.1	mg/L		0.1	SW846-8260
Toluene	U	0.1	mg/L		0.1	SW846-8260
Total Xylene	U	0.3	mg/L		0.3	SW846-8260
trans-1,2-Dichloroethene	U	0.1	mg/L		0.1	SW846-8260
Trichloroethene	DX	1.2	mg/L		0.02	SW846-8260

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**MW333**

**GWES02-03**

## SURVEILLANCE QUARTERLY - 3RD QUARTER - GWES02-03

**MW333ESQ3-02**

Collected: 6/10/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.62	Inches/Hg			
Conductivity		218	umho/cm			
Depth to Water		44.52	ft			
Dissolved Oxygen		0.87	mg/L			
pH		6	Std Unit			
Temperature		64.1	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Alpha activity	U	1.57	pCi/L	0.909	5.6	EPA-900.0
Beta activity	U	-2.59	pCi/L	0.663	5.78	EPA-900.0
Technetium-99	BU	-15.7	pCi/L	0	16.9	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.05	mg/L		0.05	SW846-8260
1,1-Dichloroethane	U	0.05	mg/L		0.05	SW846-8260
Bromodichloromethane	U	0.05	mg/L		0.05	SW846-8260
cis-1,2-Dichloroethene	UX	0.05	mg/L		0.05	SW846-8260
Ethylbenzene	U	0.05	mg/L		0.05	SW846-8260
Tetrachloroethene	U	0.05	mg/L		0.05	SW846-8260
Toluene	U	0.05	mg/L		0.05	SW846-8260
Total Xylene	U	0.15	mg/L		0.15	SW846-8260
trans-1,2-Dichloroethene	U	0.05	mg/L		0.05	SW846-8260
Trichloroethene	DX	0.42	mg/L		0.01	SW846-8260

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**MW337**

**GWES02-03**

## SURVEILLANCE QUARTERLY - 3RD QUARTER - GWES02-03

**MW337ESQ3-02**

Collected: 6/10/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.62	Inches/Hg			
Conductivity		208	umho/cm			
Depth to Water		41.84	ft			
Dissolved Oxygen		3.12	mg/L			
pH		5.8	Std Unit			
Temperature		64.5	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Alpha activity	U	-1.91	pCi/L	1.21	5.05	EPA-900.0
Beta activity		43.3	pCi/L	4.2	5.63	EPA-900.0
Technetium-99	B	55.1	pCi/L	13.1	16.9	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.025	mg/L		0.025	SW846-8260
1,1-Dichloroethane	U	0.025	mg/L		0.025	SW846-8260
Benzene	U	0.025	mg/L		0.025	SW846-8260
Bromodichloromethane	U	0.025	mg/L		0.025	SW846-8260
cis-1,2-Dichloroethene	D	0.029	mg/L		0.025	SW846-8260
Ethylbenzene	U	0.025	mg/L		0.025	SW846-8260
Tetrachloroethene	U	0.025	mg/L		0.025	SW846-8260
Toluene	U	0.025	mg/L		0.025	SW846-8260
Total Xylene	U	0.075	mg/L		0.075	SW846-8260
trans-1,2-Dichloroethene	U	0.025	mg/L		0.025	SW846-8260
Trichloroethene	DX	0.32	mg/L		0.005	SW846-8260

**MW338**

**GWES02-03**

**SURVEILLANCE QUARTERLY - 3RD QUARTER - GWES02-03**

**MW338ESQ3-02**

Collected: 6/10/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.62	Inches/Hg			
Conductivity		169	umho/cm			
Depth to Water		42.04	ft			
Dissolved Oxygen		2.65	mg/L			
pH		5.8	Std Unit			
Temperature		64.4	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Alpha activity	U	1.08	pCi/L	0.621	5.7	EPA-900.0
Beta activity	U	5.59	pCi/L	1	5.81	EPA-900.0
Technetium-99	BU	1.54	pCi/L	11.5	16.9	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.01	mg/L		0.01	SW846-8260
1,1,2-Trichloroethane	U	0.01	mg/L		0.01	SW846-8260
1,1-Dichloroethane	U	0.01	mg/L		0.01	SW846-8260
1,2-Dichloroethane	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.01	mg/L		0.01	SW846-8260
Bromodichloromethane	U	0.01	mg/L		0.01	SW846-8260
Carbon tetrachloride	U	0.01	mg/L		0.01	SW846-8260
cis-1,2-Dichloroethene	UX	0.01	mg/L		0.01	SW846-8260
Ethylbenzene	U	0.01	mg/L		0.01	SW846-8260
Tetrachloroethene	U	0.01	mg/L		0.01	SW846-8260
Toluene	U	0.01	mg/L		0.01	SW846-8260
Total Xylene	U	0.03	mg/L		0.03	SW846-8260
trans-1,2-Dichloroethene	U	0.01	mg/L		0.01	SW846-8260
Trichloroethene	DX	0.13	mg/L		0.002	SW846-8260

**MW339**

**GWES02-03**

**SURVEILLANCE QUARTERLY - 3RD QUARTER - GWES02-03**

**MW339ESQ3-02**

Collected: 6/11/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.41	Inches/Hg			
Conductivity		508.5	umho/cm			
Depth to Water		41.32	ft			
Dissolved Oxygen		2.3	mg/L			
pH		5.92	Std Unit			
Temperature		67.9	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Alpha activity	U	-4.66	pCi/L	0.427	7.5	EPA-900.0
Beta activity		2620	pCi/L	39.1	5.55	EPA-900.0
Technetium-99	B	3240	pCi/L	52.1	16.9	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	2.5	mg/L		2.5	SW846-8260
1,1-Dichloroethane	U	2.5	mg/L		2.5	SW846-8260
Bromodichloromethane	U	2.5	mg/L		2.5	SW846-8260
Toluene	U	2.5	mg/L		2.5	SW846-8260
Total Xylene	U	7.5	mg/L		7.5	SW846-8260
Trichloroethene	DX	24	mg/L		0.5	SW846-8260

# Paducah-OREIS Data Report

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**MW340**

**GWES02-03**

## SURVEILLANCE QUARTERLY - 3RD QUARTER - GWES02-03

**MW340ESQ3-02**

Collected: 6/11/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.54	Inches/Hg			
Conductivity		473	umho/cm			
Depth to Water		41.9	ft			
Dissolved Oxygen		3.05	mg/L			
pH		5.94	Std Unit			
Temperature		62.9	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Alpha activity		7.78	pCi/L	1.75	7.53	EPA-900.0
Beta activity		330	pCi/L	13.7	5.56	EPA-900.0
Technetium-99		294	pCi/L	17.9	15.3	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.05	mg/L		0.05	SW846-8260
1,1-Dichloroethane	U	0.05	mg/L		0.05	SW846-8260
Bromodichloromethane	U	0.05	mg/L		0.05	SW846-8260
cis-1,2-Dichloroethene	U	0.05	mg/L		0.05	SW846-8260
Ethylbenzene	U	0.05	mg/L		0.05	SW846-8260
Tetrachloroethene	U	0.05	mg/L		0.05	SW846-8260
Toluene	U	0.05	mg/L		0.05	SW846-8260
Total Xylene	U	0.15	mg/L		0.15	SW846-8260
trans-1,2-Dichloroethene	U	0.05	mg/L		0.05	SW846-8260
Trichloroethene	DX	0.73	mg/L		0.01	SW846-8260

**MW346**

**GWES02-03**

**SURVEILLANCE QUARTERLY - 3RD QUARTER - GWES02-03**

**MW346ESQ3-02**

Collected: 6/11/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.59	Inches/Hg			
Conductivity		524	umho/cm			
Depth to Water		45.32	ft			
Dissolved Oxygen		0.86	mg/L			
pH		8.1	Std Unit			
Temperature		65	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Alpha activity	U	2.6	pCi/L	1.26	9.06	EPA-900.0
Beta activity		10.6	pCi/L	1.87	5.35	EPA-900.0
Technetium-99	U	-16	pCi/L	0	15.3	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene	U	0.001	mg/L		0.001	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260



**MW63**

**GWES02-03**

**SURVEILLANCE QUARTERLY - 3RD QUARTER - GWES02-03**

**MW63ESQ3-02**

Collected: 6/5/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.41	Inches/Hg			
Conductivity		250	umho/cm			
Depth to Water		39.79	ft			
Dissolved Oxygen		3.73	mg/L			
pH		6.12	Std Unit			
Temperature		63.3	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Alpha activity	U	2.01	pCi/L	1.07	5.25	EPA-900.0
Beta activity		8.47	pCi/L	1.47	5.09	EPA-900.0
Technetium-99	U	7.11	pCi/L	11.7	17.3	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene		0.016	mg/L		0.001	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260

**MW65**

**GWES02-03**

**SURVEILLANCE QUARTERLY - 3RD QUARTER - GWES02-03**

**MW65ESQ3-02**

Collected: 6/6/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.5	Inches/Hg			
Conductivity		213	umho/cm			
Depth to Water		40.05	ft			
Dissolved Oxygen		4.95	mg/L			
pH		5.9	Std Unit			
Temperature		63.9	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Alpha activity	U	2.78	pCi/L	1.28	5.58	EPA-900.0
Beta activity		17.1	pCi/L	2.34	5.77	EPA-900.0
Technetium-99	BU	15.1	pCi/L	11.8	16.9	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	UX	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene		0.038	mg/L		0.001	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260

**MW185**

**GWES02-04**

**SURVEILLANCE QUARTERLY - 4TH QUARTER - GWES02-04**

**MW185ESQ4-02**

Collected: 9/6/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.5	Inches/Hg			
Conductivity		458	umho/cm			
Depth to Water		47.4	ft			
Dissolved Oxygen		2.41	mg/L			
pH		6.06	Std Unit			
Temperature		61.3	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Alpha activity		5.44	pCi/L	0.841	3.55	EPA-900.0
Beta activity		632	pCi/L	18.6	5.87	EPA-900.0
Technetium-99		752	pCi/L	28.5	17.5	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.5	mg/L		0.5	SW846-8260
1,1-Dichloroethane	U	0.5	mg/L		0.5	SW846-8260
Bromodichloromethane	U	0.5	mg/L		0.5	SW846-8260
Toluene	U	0.5	mg/L		0.5	SW846-8260
Total Xylene	U	1.5	mg/L		1.5	SW846-8260
trans-1,2-Dichloroethene	U	0.5	mg/L		0.5	SW846-8260
Trichloroethene	DX	4.3	mg/L		0.1	SW846-8260

**MW186**

**GWES02-04**

**SURVEILLANCE QUARTERLY - 4TH QUARTER - GWES02-04**

**MW186ESQ4-02**

Collected: 9/6/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.5	Inches/Hg			
Conductivity		1457	umho/cm			
Depth to Water		8.28	ft			
Dissolved Oxygen		0.66	mg/L			
pH		5.73	Std Unit			
Temperature		64.2	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Alpha activity		5.95	pCi/L	3.18	5.09	EPA-900.0
Beta activity		20.4	pCi/L	2.87	6.68	EPA-900.0
Technetium-99		28.3	pCi/L	12.7	17.5	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.05	mg/L		0.05	SW846-8260
1,1-Dichloroethane	UX	0.05	mg/L		0.05	SW846-8260
Bromodichloromethane	U	0.05	mg/L		0.05	SW846-8260
cis-1,2-Dichloroethene	DX	0.35	mg/L		0.05	SW846-8260
Ethylbenzene	U	0.05	mg/L		0.05	SW846-8260
Tetrachloroethene	U	0.05	mg/L		0.05	SW846-8260
Toluene	U	0.05	mg/L		0.05	SW846-8260
Total Xylene	U	0.15	mg/L		0.15	SW846-8260
trans-1,2-Dichloroethene	U	0.05	mg/L		0.05	SW846-8260
Trichloroethene	D	0.11	mg/L		0.01	SW846-8260
Vinyl chloride	DX	0.6	mg/L		0.02	SW846-8260

**MW187**

**GWES02-04**

**SURVEILLANCE QUARTERLY - 4TH QUARTER - GWES02-04**

**MW187ESQ4-02**

Collected: 9/6/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.53	Inches/Hg			
Conductivity		875	umho/cm			
Depth to Water		8.9	ft			
Dissolved Oxygen		1.07	mg/L			
pH		6.18	Std Unit			
Temperature		65.7	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Alpha activity		9.44	pCi/L	5.24	6	EPA-900.0
Beta activity	U	2.04	pCi/L	0.446	7.19	EPA-900.0
Technetium-99	U	4.4	pCi/L	11.9	17.5	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.1	mg/L		0.1	SW846-8260
1,1-Dichloroethane	U	0.1	mg/L		0.1	SW846-8260
Bromodichloromethane	U	0.1	mg/L		0.1	SW846-8260
cis-1,2-Dichloroethene	UX	0.1	mg/L		0.1	SW846-8260
Ethylbenzene	U	0.1	mg/L		0.1	SW846-8260
Toluene	U	0.1	mg/L		0.1	SW846-8260
Total Xylene	U	0.3	mg/L		0.3	SW846-8260
trans-1,2-Dichloroethene	U	0.1	mg/L		0.1	SW846-8260
Trichloroethene	DX	1.5	mg/L		0.02	SW846-8260

**MW333**

**GWES02-04**

**SURVEILLANCE QUARTERLY - 4TH QUARTER - GWES02-04**

**MW333ESQ4-02**

Collected: 9/5/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.59	Inches/Hg			
Conductivity		211	umho/cm			
Depth to Water		49.52	ft			
Dissolved Oxygen		1.7	mg/L			
pH		5.83	Std Unit			
Temperature		65	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Alpha activity	U	-0.977	pCi/L	0.798	5.5	EPA-900.0
Beta activity	U	-0.125	pCi/L	0.0285	5.48	EPA-900.0
Technetium-99	U	8.51	pCi/L	11.9	17.5	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.05	mg/L		0.05	SW846-8260
1,1-Dichloroethane	U	0.05	mg/L		0.05	SW846-8260
Bromodichloromethane	U	0.05	mg/L		0.05	SW846-8260
cis-1,2-Dichloroethene	U	0.05	mg/L		0.05	SW846-8260
Ethylbenzene	U	0.05	mg/L		0.05	SW846-8260
Tetrachloroethene	U	0.05	mg/L		0.05	SW846-8260
Toluene	U	0.05	mg/L		0.05	SW846-8260
Total Xylene	U	0.15	mg/L		0.15	SW846-8260
trans-1,2-Dichloroethene	U	0.05	mg/L		0.05	SW846-8260
Trichloroethene	DX	0.33	mg/L		0.01	SW846-8260

**MW337**

**GWES02-04**

**SURVEILLANCE QUARTERLY - 4TH QUARTER - GWES02-04**

**MW337ESQ4-02**

Collected: 9/5/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.53	Inches/Hg			
Conductivity		170	umho/cm			
Depth to Water		47.13	ft			
Dissolved Oxygen		5.79	mg/L			
pH		5.57	Std Unit			
Temperature		65.9	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Alpha activity	U	0.989	pCi/L	0.298	5.12	EPA-900.0
Beta activity		115	pCi/L	7.2	5.38	EPA-900.0
Technetium-99		196	pCi/L	17.7	17.5	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.025	mg/L		0.025	SW846-8260
1,1-Dichloroethane	U	0.025	mg/L		0.025	SW846-8260
Benzene	U	0.025	mg/L		0.025	SW846-8260
Bromodichloromethane	U	0.025	mg/L		0.025	SW846-8260
cis-1,2-Dichloroethene	U	0.025	mg/L		0.025	SW846-8260
Ethylbenzene	U	0.025	mg/L		0.025	SW846-8260
Tetrachloroethene	U	0.025	mg/L		0.025	SW846-8260
Toluene	U	0.025	mg/L		0.025	SW846-8260
Total Xylene	U	0.075	mg/L		0.075	SW846-8260
trans-1,2-Dichloroethene	U	0.025	mg/L		0.025	SW846-8260
Trichloroethene	DX	0.096	mg/L		0.005	SW846-8260

**MW338**

**GWES02-04**

**SURVEILLANCE QUARTERLY - 4TH QUARTER - GWES02-04**

**MW338ESQ4-02**

Collected: 9/5/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.53	Inches/Hg			
Conductivity		189	umho/cm			
Depth to Water		47.32	ft			
Dissolved Oxygen		6.5	mg/L			
pH		5.53	Std Unit			
Temperature		65.6	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Alpha activity	U	0.0927	pCi/L	0.0586	4.83	EPA-900.0
Beta activity	U	2.41	pCi/L	0.488	5.3	EPA-900.0
Technetium-99	U	2.99	pCi/L	11.9	17.5	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	UX	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene		0.011	mg/L		0.001	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260



**MW339**

**GWES02-04**

**SURVEILLANCE QUARTERLY - 4TH QUARTER - GWES02-04**

**MW339ESQ4-02**

Collected: 9/25/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.83	Inches/Hg			
Conductivity		494	umho/cm			
Depth to Water		48.41	ft			
Dissolved Oxygen		3.44	mg/L			
pH		5.57	Std Unit			
Temperature		61.3	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Alpha activity	U	-39.1	pCi/L	3.51	7.51	EPA-900.0
Beta activity		2170	pCi/L	35.1	5.79	EPA-900.0
Technetium-99		49.9	pCi/L	14.6	19.1	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	2.5	mg/L		2.5	SW846-8260
1,1-Dichloroethane	U	2.5	mg/L		2.5	SW846-8260
Bromodichloromethane	U	2.5	mg/L		2.5	SW846-8260
Toluene	U	2.5	mg/L		2.5	SW846-8260
Total Xylene	U	7.5	mg/L		7.5	SW846-8260
Trichloroethene	DX	23	mg/L		0.5	SW846-8260

# Paducah-OREIS Data Report

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**MW340**

**GWES02-04**

## SURVEILLANCE QUARTERLY - 4TH QUARTER - GWES02-04

**MW340ESQ4-02**

Collected: 9/6/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.53	Inches/Hg			
Conductivity		457	umho/cm			
Depth to Water		47.75	ft			
Dissolved Oxygen		4.13	mg/L			
pH		5.83	Std Unit			
Temperature		63.7	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Alpha activity	U	-0.953	pCi/L	0.187	3.88	EPA-900.0
Beta activity		441	pCi/L	15.7	6.04	EPA-900.0
Technetium-99		505	pCi/L	24.2	17.5	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.1	mg/L		0.1	SW846-8260
1,1-Dichloroethane	U	0.1	mg/L		0.1	SW846-8260
Bromodichloromethane	U	0.1	mg/L		0.1	SW846-8260
cis-1,2-Dichloroethene	U	0.1	mg/L		0.1	SW846-8260
Ethylbenzene	U	0.1	mg/L		0.1	SW846-8260
Toluene	U	0.1	mg/L		0.1	SW846-8260
Total Xylene	U	0.3	mg/L		0.3	SW846-8260
trans-1,2-Dichloroethene	U	0.1	mg/L		0.1	SW846-8260
Trichloroethene	DX	1.3	mg/L		0.02	SW846-8260

Paducah-OREIS Data Report

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MW346

GWES02-04

SURVEILLANCE QUARTERLY - 4TH QUARTER - GWES02-04

MW346ESQ4-02

Collected: 9/23/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.68	Inches/Hg			
Conductivity		521	umho/cm			
Depth to Water		49.5	ft			
Dissolved Oxygen		0.26	mg/L			
pH		8.22	Std Unit			
Temperature		61.6	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Alpha activity		14.7	pCi/L	5.12	4.7	EPA-900.0
Beta activity		12.5	pCi/L	1.98	5.9	EPA-900.0
Technetium-99		26.1	pCi/L	13.8	19.1	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene	X	0.001	mg/L		0.001	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260

**MW63**

**GWES02-04**

**SURVEILLANCE QUARTERLY - 4TH QUARTER - GWES02-04**

**MW63ESQ4-02**

Collected: 9/6/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.65	Inches/Hg			
Conductivity		255	umho/cm			
Depth to Water		46.31	ft			
Dissolved Oxygen		4.71	mg/L			
pH		6.1	Std Unit			
Temperature		67.5	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Alpha activity	U	2.24	pCi/L	1.58	2.81	EPA-900.0
Beta activity	U	4.28	pCi/L	0.836	5.48	EPA-900.0
Technetium-99	U	14.2	pCi/L	12.3	17.5	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene		0.006	mg/L		0.001	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260

**MW65**

**GWES02-04**

**SURVEILLANCE QUARTERLY - 4TH QUARTER - GWES02-04**

**MW65ESQ4-02**

Collected: 9/6/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.65	Inches/Hg			
Conductivity		188	umho/cm			
Depth to Water		46.29	ft			
Dissolved Oxygen		4.64	mg/L			
pH		6	Std Unit			
Temperature		66.3	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Alpha activity		3.87	pCi/L	1.82	2.3	EPA-900.0
Beta activity		16.6	pCi/L	2.31	5.2	EPA-900.0
Technetium-99		22.3	pCi/L	12.6	17.5	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	UX	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene		0.04	mg/L		0.001	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260

MW180

GWES02-05

SURVEILLANCE ANNUAL BACKGROUND - GWES02-05

MW180ESA3D-02

Collected: 3/21/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		47.3	mg/L		2	EPA-300.0
<b>Field P</b>						
Barometric Pressure Reading		29.83	Inches/Hg			
Conductivity		754	umho/cm			
Depth to Water		17.47	ft			
Dissolved Oxygen		4.29	mg/L			
pH		7	Std Unit			
Temperature		56.2	deg F			
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Cadmium	*BNU	0.005	mg/L		0.005	SW846-7131
Chromium		0.086	mg/L		0.025	SW846-6010A
Copper	U	0.025	mg/L		0.025	SW846-6010A
Iron	N	0.999	mg/L		0.2	SW846-6010A
Nickel	B	0.085	mg/L		0.05	SW846-6010A
Total Metals	U	5	mg/L		5	SW846-6010A
Uranium		0.002	mg/L		0.001	IN7105
Uranium		0.002	mg/L		0.001	IN7105
Zinc	U	0.1	mg/L		0.1	SW846-6010A
<b>RADS</b>						
Activity of U-235	U	0	pCi/L	0	0.635	RL-7124
Alpha activity		9.85	pCi/L	3.72	7.97	EPA-900.0
Americium-241	U	-10.1	pCi/L	20.2	38.2	RL-7124
Beta activity		48.1	pCi/L	5.09	6.23	EPA-900.0
Cesium-134	U	-9.32	pCi/L	18.6	12.8	RL-7124
Cesium-137	U	9.24	pCi/L	18.5	18.4	RL-7124
Cobalt-60	U	0.931	pCi/L	1.86	17.9	RL-7124
Dissolved Alpha	U	6.05	pCi/L	3.13	10.3	EPA-900.0
Dissolved Beta		54.5	pCi/L	6.73	11.8	EPA-900.0
Neptunium-237	U	-0.227	pCi/L	0.143	0.942	RL-7103
Plutonium-238	U	-0.0561	pCi/L	0.106	0.306	RL-7120
Plutonium-239/240	U	0.0159	pCi/L	0.0476	0.149	RL-7120
Potassium-40	U	78.5	pCi/L	157	439	RL-7124
Suspended Alpha	U	-0.273	pCi/L	0.315	4.03	EPA-900.0
Suspended Beta	U	-1.96	pCi/L	0.502	9.09	EPA-900.0
Technetium-99		61.3	pCi/L	13.4	16.8	RL-7100
Thorium-228	U	0.0748	pCi/L	0.0901	0.294	RL-7120
Thorium-230	U	-0.0074	pCi/L	0.103	0.479	RL-7120
Thorium-232	U	0.00148	pCi/L	0.0725	0.191	RL-7120
Uranium-238	U	0	pCi/L	0	10.2	RL-7124
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260

**MW180**

**GWES02-05**

**SURVEILLANCE ANNUAL BACKGROUND - GWES02-05**

Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Carbonaceous Biochemical Oxygen D	BJU	10 mg/L	10	SM-5210 B
Chromium, hexavalent	U	0.01 mg/L	0.01	SM-3500-Cr D 17
Hardness - Total as CaCO3		190 mg/L	20	EPA-130.2
Suspended Solids		10 mg/L	10	EPA-160.1

## MW182

## GWES02-05

## SURVEILLANCE ANNUAL BACKGROUND - GWES02-05

## MW182ESA3-02

Collected: 3/21/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		9.6	mg/L		2	EPA-300.0
<b>Field P</b>						
Barometric Pressure Reading		29.83	Inches/Hg			
Conductivity		1152	umho/cm			
Depth to Water		9.43	ft			
Dissolved Oxygen		0.76	mg/L			
pH		6.5	Std Unit			
Temperature		57	deg F			
<b>METAL</b>						
Aluminum		0.676	mg/L		0.2	SW846-6010A
Cadmium	*BNU	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.025	mg/L		0.025	SW846-6010A
Copper	U	0.025	mg/L		0.025	SW846-6010A
Iron	N	20.7	mg/L		0.2	SW846-6010A
Nickel	BU	0.05	mg/L		0.05	SW846-6010A
Phosphorous		0.18	mg/L		0.05	EPA-365.3
Total Metals		21.4	mg/L		5	SW846-6010A
Uranium		0.31	mg/L		0.001	IN7105
Uranium		0.31	mg/L		0.001	IN7105
Zinc	U	0.1	mg/L		0.1	SW846-6010A
<b>RADS</b>						
Activity of U-235		53.8	pCi/L	19.1	17.2	RL-7124
Alpha activity		210	pCi/L	29.4	13.5	EPA-900.0
Americium-241	U	-11.4	pCi/L	22.9	45.8	RL-7124
Beta activity		127	pCi/L	11.6	11.7	EPA-900.0
Cesium-134	U	-9.59	pCi/L	19.2	13.1	RL-7124
Cesium-137	U	3.84	pCi/L	7.68	17.4	RL-7124
Cobalt-60	U	12.9	pCi/L	25.9	19.9	RL-7124
Dissolved Alpha		173	pCi/L	25.9	12.5	EPA-900.0
Dissolved Beta		124	pCi/L	11.3	12.6	EPA-900.0
Neptunium-237	U	-0.317	pCi/L	0.225	0.942	RL-7103
Plutonium-238	U	0.00913	pCi/L	0.123	0.308	RL-7120
Plutonium-239/240	U	0.00024	pCi/L	0.0454	0.154	RL-7120
Potassium-40	U	-147	pCi/L	294	393	RL-7124
Suspended Alpha	U	0.0358	pCi/L	0.0358	4.19	EPA-900.0
Suspended Beta	U	-1.1	pCi/L	0.274	9.21	EPA-900.0
Technetium-99	U	14.4	pCi/L	11.9	16.8	RL-7100
Thorium-228	U	0.162	pCi/L	0.0785	0.246	RL-7120
Thorium-230	U	0.249	pCi/L	0.118	0.445	RL-7120
Thorium-232	U	0.0198	pCi/L	0.046	0.15	RL-7120
Uranium	J	2170	pCi/L	880	564	RL-7124
Uranium	J	2170	pCi/L	880	564	RL-7124
Uranium-234	J	840	pCi/L	368	217	RL-7124
Uranium-235		0.652	wt %	0.0539		RL-7124
Uranium-238	J	1270	pCi/L	250	329	RL-7124
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260



**MW182****GWES02-05****SURVEILLANCE ANNUAL BACKGROUND - GWES02-05**

1,2-Dichloroethane	U	0.005 mg/L	0.005	SW846-8260
Benzene	U	0.005 mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005 mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Carbonaceous Biochemical Oxygen D	BJUX	10 mg/L	10	SM-5210 B
Chromium, hexavalent	*U	0.01 mg/L	0.01	SM-3500-Cr D 17
Hardness - Total as CaCO3		570 mg/L	20	EPA-130.2
Suspended Solids		51 mg/L	10	EPA-160.1

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MW182

GWES02-05

SURVEILLANCE ANNUAL BACKGROUND - GWES02-05

MW182DESA3-02

Collected: 3/21/2002

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		9.5	mg/L		2	EPA-300.0
<b>Field P</b>						
Barometric Pressure Reading		29.83	Inches/Hg			
Conductivity		1152	umho/cm			
Depth to Water		9.43	ft			
Dissolved Oxygen		0.76	mg/L			
pH		6.5	Std Unit			
Temperature		57	deg F			
<b>METAL</b>						
Aluminum		0.485	mg/L		0.2	SW846-6010A
Cadmium	*BNU	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.025	mg/L		0.025	SW846-6010A
Copper	U	0.025	mg/L		0.025	SW846-6010A
Iron	N	20.3	mg/L		0.2	SW846-6010A
Nickel	BU	0.05	mg/L		0.05	SW846-6010A
Phosphorous		0.09	mg/L		0.05	EPA-365.3
Total Metals		20.8	mg/L		5	SW846-6010A
Uranium		0.35	mg/L		0.001	IN7105
Uranium		0.35	mg/L		0.001	IN7105
Zinc	U	0.1	mg/L		0.1	SW846-6010A
<b>RADS</b>						
Activity of U-235	U	0	pCi/L	0	0.642	RL-7124
Alpha activity		146	pCi/L	20.9	10.4	EPA-900.0
Americium-241	U	5.5	pCi/L	11	40.1	RL-7124
Beta activity		129	pCi/L	9.36	7.06	EPA-900.0
Cesium-134	U	-3.22	pCi/L	6.43	14.7	RL-7124
Cesium-137	U	-2.99	pCi/L	5.97	15.7	RL-7124
Cobalt-60	U	-0.0901	pCi/L	0.18	19.2	RL-7124
Dissolved Alpha		143	pCi/L	23.9	13.2	EPA-900.0
Dissolved Beta		142	pCi/L	12.3	12.8	EPA-900.0
Neptunium-237	U	-0.136	pCi/L	0.0786	0.942	RL-7103
Plutonium-238	U	-0.0301	pCi/L	0.117	0.31	RL-7120
Plutonium-239/240	U	-0.0055	pCi/L	0.0494	0.158	RL-7120
Potassium-40	U	-158	pCi/L	317	382	RL-7124
Suspended Alpha	U	1.08	pCi/L	0.813	4.01	EPA-900.0
Suspended Beta	U	-2.39	pCi/L	0.623	9.07	EPA-900.0
Technetium-99	U	12.4	pCi/L	11.9	16.8	RL-7100
Thorium-228	UT	0.0722	pCi/L	0.102	0.394	RL-7120
Thorium-230	UT	0.0272	pCi/L	0.123	0.571	RL-7120
Thorium-232	UT	-0.0331	pCi/L	0.122	0.295	RL-7120
Uranium-238	U	0	pCi/L	0	10.3	RL-7124
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260

**MW182**

**GWES02-05**

**SURVEILLANCE ANNUAL BACKGROUND - GWES02-05**

cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Carbonaceous Biochemical Oxygen D	BJUX	10 mg/L	10	SM-5210 B
Chromium, hexavalent	*U	0.01 mg/L	0.01	SM-3500-Cr D 17
Hardness - Total as CaCO3		550 mg/L	20	EPA-130.2
Suspended Solids		125 mg/L	10	EPA-160.1

**MW180**

**GWES02-06**

**SURVEILLANCE ANNUAL MONITORING - GWES02-06**

**MW180ESA8D-02**

Collected: 9/11/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		44.7	mg/L		2	EPA-300.0
<b>Field P</b>						
Barometric Pressure Reading		29.62	Inches/Hg			
Conductivity		799	umho/cm			
Depth to Water		16.65	ft			
Dissolved Oxygen		1.3	mg/L			
pH		6.78	Std Unit			
Temperature		69.3	deg F			
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Cadmium	BUW	0.005	mg/L		0.005	SW846-7131
Chromium		0.197	mg/L		0.025	SW846-6010A
Copper	U	0.05	mg/L		0.05	SW846-6010A
Iron		0.655	mg/L		0.2	SW846-6010A
Nickel		0.114	mg/L		0.05	SW846-6010A
Total Metals	U	5	mg/L		5	SW846-6010A
Uranium		0.002	mg/L		0.001	IN7105
Zinc	U	0.1	mg/L		0.1	SW846-6010A
<b>RADS</b>						
Alpha activity	U	9.55	pCi/L	3.14	10.7	EPA-900.0
Beta activity		82.8	pCi/L	6.75	6.65	EPA-900.0
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene	U	0.001	mg/L		0.001	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260
<b>WETCHEM</b>						
Carbonaceous Biochemical Oxygen D	JU	10	mg/L		10	SM-5210 B
Chromium, hexavalent	U	0.01	mg/L		0.01	SM-3500-Cr D 17
Hardness - Total as CaCO3		281	mg/L		20	EPA-130.2
Suspended Solids	U	25	mg/L		25	EPA-160.1

## MW182

## GWES02-06

## SURVEILLANCE ANNUAL MONITORING - GWES02-06

## MW182ESA8-02

Collected: 9/10/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		7.1	mg/L		2	EPA-300.0
<b>Field P</b>						
Barometric Pressure Reading		29.62	Inches/Hg			
Conductivity		1044	umho/cm			
Depth to Water		18.2	ft			
Dissolved Oxygen		1.54	mg/L			
pH		6.5	Std Unit			
Temperature		74.1	deg F			
<b>METAL</b>						
Aluminum		1.22	mg/L		0.2	SW846-6010A
Cadmium	BUW	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.025	mg/L		0.025	SW846-6010A
Copper	U	0.05	mg/L		0.05	SW846-6010A
Iron		20.1	mg/L		0.2	SW846-6010A
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Total Metals		21.4	mg/L		5	SW846-6010A
Uranium		0.2	mg/L		0.001	IN7105
Zinc	U	0.1	mg/L		0.1	SW846-6010A
<b>RADS</b>						
Alpha activity		109	pCi/L	17.4	13.1	EPA-900.0
Beta activity		130	pCi/L	9.07	7.35	EPA-900.0
Technetium-99	U	15.8	pCi/L	12.1	17.2	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene	U	0.001	mg/L		0.001	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260
<b>WETCHEM</b>						
Carbonaceous Biochemical Oxygen D	JU	10	mg/L		10	SM-5210 B
Chromium, hexavalent	U	0.01	mg/L		0.01	SM-3500-Cr D 17

MW66

GWES02-07

SURVEILLANCE ANNUAL RADIOLOGICAL GWES02-07

MW66AR5-02

Collected: 5/9/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.41	Inches/Hg			
Conductivity		431	umho/cm			
Depth to Water		40.52	ft			
Dissolved Oxygen		4.63	mg/L			
pH		5.97	Std Unit			
Temperature		60.5	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Americium-241	U	-1.36	pCi/L	2.72	27.1	RL-7124
Cesium-134	U	-2.8	pCi/L	5.59	11.8	RL-7124
Cesium-137	U	0.979	pCi/L	1.96	14.6	RL-7124
Cobalt-60	U	1.24	pCi/L	2.48	15.4	RL-7124
Dissolved Alpha		22	pCi/L	3.13	10.4	EPA-900.0
Dissolved Beta		1730	pCi/L	42.1	10.1	EPA-900.0
Neptunium-237	U	-0.624	pCi/L	0.416	1.01	RL-7103
Plutonium-238	U	-0.0119	pCi/L	0.105	0.264	RL-7120
Plutonium-239/240	U	-0.0039	pCi/L	0.0424	0.119	RL-7120
Potassium-40	U	-19.7	pCi/L	39.3	255	RL-7124
Suspended Alpha	U	0.602	pCi/L	0.401	6.42	EPA-900.0
Suspended Beta	U	5.69	pCi/L	1.23	8.9	EPA-900.0
Thorium-228	U	-0.0162	pCi/L	0.0383	0.335	RL-7120
Thorium-230	U	0.223	pCi/L	0.159	0.964	RL-7120
Thorium-232	U	0.0207	pCi/L	0.0543	0.68	RL-7120
Uranium-235	U	-4.77	pCi/L	0	0.551	RL-7124
Uranium-238	U	0	pCi/L	0	8.01	RL-7124

**MW185**

**GWES03-01**

**SURVEILLANCE QUARTERLY - 1ST QUARTER GWES03-01**

**MW185ESQ1-03**

Collected: 12/26/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		30.15	Inches/Hg			
Conductivity		482	umho/cm			
Depth to Water		50.65	ft			
Dissolved Oxygen		1.17	mg/L			
pH		6.5	Std Unit			
Temperature		53.2	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	SW846-6020
<b>RADS</b>						
Alpha activity	U	-9.82	pCi/L	2.04	3.7	EPA-900.0
Beta activity		496	pCi/L	15.8	4.44	EPA-900.0
Technetium-99		786	pCi/L	28	17.3	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.25	mg/L		0.25	SW846-8260
1,1-Dichloroethane	U	0.25	mg/L		0.25	SW846-8260
Bromodichloromethane	U	0.25	mg/L		0.25	SW846-8260
cis-1,2-Dichloroethene	U	0.25	mg/L		0.25	SW846-8260
Ethylbenzene	U	0.25	mg/L		0.25	SW846-8260
Toluene	U	0.25	mg/L		0.25	SW846-8260
Total Xylene	U	0.75	mg/L		0.75	SW846-8260
trans-1,2-Dichloroethene	U	0.25	mg/L		0.25	SW846-8260
Trichloroethene	D	3.1	mg/L		0.05	SW846-8260

**MW186**

**GWES03-01**

**SURVEILLANCE QUARTERLY - 1ST QUARTER GWES03-01**

**MW186ESQ1-03**

Collected: 12/26/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		30.15	Inches/Hg			
Conductivity		1469	umho/cm			
Depth to Water		9.81	ft			
Dissolved Oxygen		0	mg/L			
pH		6.1	Std Unit			
Temperature		51.4	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	SW846-6020
<b>RADS</b>						
Alpha activity	U	6.5	pCi/L	2.84	11.1	EPA-900.0
Beta activity		47.8	pCi/L	6.47	11.7	EPA-900.0
Technetium-99		22.1	pCi/L	12.4	17.3	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.05	mg/L		0.05	SW846-8260
1,1-Dichloroethane	U	0.05	mg/L		0.05	SW846-8260
Bromodichloromethane	U	0.05	mg/L		0.05	SW846-8260
cis-1,2-Dichloroethene	D	0.24	mg/L		0.05	SW846-8260
Ethylbenzene	U	0.05	mg/L		0.05	SW846-8260
Tetrachloroethene	U	0.05	mg/L		0.05	SW846-8260
Toluene	U	0.05	mg/L		0.05	SW846-8260
Total Xylene	U	0.15	mg/L		0.15	SW846-8260
trans-1,2-Dichloroethene	U	0.05	mg/L		0.05	SW846-8260
Trichloroethene	D	0.058	mg/L		0.01	SW846-8260
Vinyl chloride	D	0.28	mg/L		0.02	SW846-8260



MW187

GWES03-01

**SURVEILLANCE QUARTERLY - 1ST QUARTER GWES03-01**

MW187ESQ1-03

Collected: 12/4/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		30	Inches/Hg			
Conductivity		916	umho/cm			
Depth to Water		7.67	ft			
Dissolved Oxygen		0.65	mg/L			
pH		6.24	Std Unit			
Temperature		60.7	deg F			
<b>METAL</b>						
Uranium	B	0.00153	mg/L		0.001	SW846-6020
<b>RADS</b>						
Alpha activity	U	0.628	pCi/L	0.475	7.75	EPA-900.0
Beta activity	U	-1.87	pCi/L	0.457	11.4	EPA-900.0
Technetium-99	U	1.36	pCi/L	12.2	17.9	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.1	mg/L		0.1	SW846-8260
1,1-Dichloroethane	U	0.1	mg/L		0.1	SW846-8260
Bromodichloromethane	U	0.1	mg/L		0.1	SW846-8260
cis-1,2-Dichloroethene	D	0.19	mg/L		0.1	SW846-8260
Ethylbenzene	U	0.1	mg/L		0.1	SW846-8260
Toluene	U	0.1	mg/L		0.1	SW846-8260
Total Xylene	U	0.3	mg/L		0.3	SW846-8260
trans-1,2-Dichloroethene	U	0.1	mg/L		0.1	SW846-8260
Trichloroethene	DX	1.8	mg/L		0.02	SW846-8260

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**MW333**

**GWES03-01**

## SURVEILLANCE QUARTERLY - 1ST QUARTER GWES03-01

**MW333ESQ1-03**

Collected: 12/2/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.12	Inches/Hg			
Conductivity		202	umho/cm			
Depth to Water		52.35	ft			
Dissolved Oxygen		1.57	mg/L			
pH		6.09	Std Unit			
Temperature		63.7	deg F			
<b>METAL</b>						
Uranium	BU	0.001	mg/L		0.001	SW846-6020
<b>RADS</b>						
Alpha activity	U	1.7	pCi/L	0.879	2.7	EPA-900.0
Beta activity	U	0.462	pCi/L	0.105	4.94	EPA-900.0
Technetium-99	U	-6.2	pCi/L	0	18.5	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.025	mg/L		0.025	SW846-8260
1,1-Dichloroethane	U	0.025	mg/L		0.025	SW846-8260
Benzene	U	0.025	mg/L		0.025	SW846-8260
Bromodichloromethane	U	0.025	mg/L		0.025	SW846-8260
cis-1,2-Dichloroethene	U	0.025	mg/L		0.025	SW846-8260
Ethylbenzene	U	0.025	mg/L		0.025	SW846-8260
Tetrachloroethene	U	0.025	mg/L		0.025	SW846-8260
Toluene	U	0.025	mg/L		0.025	SW846-8260
Total Xylene	U	0.075	mg/L		0.075	SW846-8260
trans-1,2-Dichloroethene	U	0.025	mg/L		0.025	SW846-8260
Trichloroethene	DX	0.53	mg/L		0.005	SW846-8260

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**MW337**

**GWES03-01**

## SURVEILLANCE QUARTERLY - 1ST QUARTER GWES03-01

**MW337ESQ1-03**

Collected: 12/2/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.12	Inches/Hg			
Conductivity		156	umho/cm			
Depth to Water		49.82	ft			
Dissolved Oxygen		5.52	mg/L			
pH		5.85	Std Unit			
Temperature		62.5	deg F			
<b>METAL</b>						
Uranium	BU	0.001	mg/L		0.001	SW846-6020
<b>RADS</b>						
Alpha activity	U	1.72	pCi/L	0.551	2.54	EPA-900.0
Beta activity		127	pCi/L	7.34	4.82	EPA-900.0
Technetium-99		205	pCi/L	18.5	18.5	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	UX	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene		0.1	mg/L		0.001	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260

**MW338**

**GWES03-01**

**SURVEILLANCE QUARTERLY - 1ST QUARTER GWES03-01**

**MW338ESQ1-03**

Collected: 12/3/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		30.09	Inches/Hg			
Conductivity		189	umho/cm			
Depth to Water		50.72	ft			
Dissolved Oxygen		6.22	mg/L			
pH		5.56	Std Unit			
Temperature		61.3	deg F			
<b>METAL</b>						
Uranium	B	0.00161	mg/L		0.001	SW846-6020
<b>RADS</b>						
Alpha activity	U	0.447	pCi/L	0.298	2.61	EPA-900.0
Beta activity	U	3.19	pCi/L	0.631	4.87	EPA-900.0
Technetium-99	U	13.4	pCi/L	12.6	17.9	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	UX	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene		0.008	mg/L		0.001	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260

**MW339**

**GWES03-01**

**SURVEILLANCE QUARTERLY - 1ST QUARTER GWES03-01**

**MW339ESQ1-03**

Collected: 12/23/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		30.03	Inches/Hg			
Conductivity		489	umho/cm			
Depth to Water		50.51	ft			
Dissolved Oxygen		2.49	mg/L			
pH		6	Std Unit			
Temperature		56	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	SW846-6020
<b>RADS</b>						
Alpha activity	U	1.7	pCi/L	0.165	3.08	EPA-900.0
Beta activity		1970	pCi/L	31.7	4.87	EPA-900.0
Technetium-99		2770	pCi/L	49.1	17.3	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	2	mg/L		2	SW846-8260
1,1-Dichloroethane	U	2	mg/L		2	SW846-8260
Bromodichloromethane	U	2	mg/L		2	SW846-8260
Toluene	U	2	mg/L		2	SW846-8260
Total Xylene	U	6	mg/L		6	SW846-8260
Trichloroethene	DX	20	mg/L		0.4	SW846-8260

**MW340**

**GWES03-01**

**SURVEILLANCE QUARTERLY - 1ST QUARTER GWES03-01**

**MW340ESQ1-03**

Collected: 12/26/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		30.15	Inches/Hg			
Conductivity		449	umho/cm			
Depth to Water		51.14	ft			
Dissolved Oxygen		2.91	mg/L			
pH		6.2	Std Unit			
Temperature		55.7	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	SW846-6020
<b>RADS</b>						
Alpha activity	U	-2.24	pCi/L	0.466	3.93	EPA-900.0
Beta activity		377	pCi/L	14	4.55	EPA-900.0
Technetium-99		507	pCi/L	23.5	17.3	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.1	mg/L		0.1	SW846-8260
1,1-Dichloroethane	U	0.1	mg/L		0.1	SW846-8260
Bromodichloromethane	U	0.1	mg/L		0.1	SW846-8260
cis-1,2-Dichloroethene	U	0.1	mg/L		0.1	SW846-8260
Ethylbenzene	U	0.1	mg/L		0.1	SW846-8260
Toluene	U	0.1	mg/L		0.1	SW846-8260
Total Xylene	U	0.3	mg/L		0.3	SW846-8260
trans-1,2-Dichloroethene	U	0.1	mg/L		0.1	SW846-8260
Trichloroethene	D	1.1	mg/L		0.02	SW846-8260

**MW346****GWES03-01****SURVEILLANCE QUARTERLY - 1ST QUARTER GWES03-01****MW346ESQ1-03**

Collected: 12/18/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.62	Inches/Hg			
Conductivity		507	umho/cm			
Depth to Water		47.05	ft			
Dissolved Oxygen		0.55	mg/L			
pH		8.4	Std Unit			
Temperature		59.9	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	SW846-6020
<b>RADS</b>						
Alpha activity		7.01	pCi/L	2.56	3.55	EPA-900.0
Beta activity		11.2	pCi/L	1.89	5.16	EPA-900.0
Technetium-99	U	0	pCi/L	0	17.6	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene	U	0.001	mg/L		0.001	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260

**MW63**

**GWES03-01**

**SURVEILLANCE QUARTERLY - 1ST QUARTER GWES03-01**

**MW63ESQ1-03**

Collected: 12/2/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.68	Inches/Hg			
Conductivity		245	umho/cm			
Depth to Water		49	ft			
Dissolved Oxygen		3.65	mg/L			
pH		6.1	Std Unit			
Temperature		58.7	deg F			
<b>METAL</b>						
Uranium	BU	0.001	mg/L		0.001	SW846-6020
<b>RADS</b>						
Alpha activity	U	-0.131	pCi/L	0.107	2.8	EPA-900.0
Beta activity	U	3.75	pCi/L	0.728	5.01	EPA-900.0
Technetium-99	U	11.4	pCi/L	12.6	17.9	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene		0.008	mg/L		0.001	SW846-8260
Vinyl chloride	JU	0.002	mg/L		0.002	SW846-8260



**MW65**

**GWES03-01**

**SURVEILLANCE QUARTERLY - 1ST QUARTER GWES03-01**

**MW65ESQ1-03**

Collected: 12/2/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.68	Inches/Hg			
Conductivity		185	umho/cm			
Depth to Water		48.89	ft			
Dissolved Oxygen		4.59	mg/L			
pH		5.9	Std Unit			
Temperature		59.3	deg F			
<b>METAL</b>						
Uranium	B	0.00171	mg/L		0.001	SW846-6020
<b>RADS</b>						
Alpha activity	U	1.23	pCi/L	0.634	2.65	EPA-900.0
Beta activity		13.6	pCi/L	1.96	4.91	EPA-900.0
Technetium-99		34.4	pCi/L	13.5	17.9	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	UX	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene		0.05	mg/L		0.001	SW846-8260
Vinyl chloride	JU	0.002	mg/L		0.002	SW846-8260

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**MW180**

**GWES03-02**

**Surveillance Semi-Annual Monitoring Phase 1 - March, Event 1 GWES03-**

**MW180ESQ2-03**

Collected: 3/11/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.68	Inches/Hg			
Conductivity		813	umho/cm			
Depth to Water		15.15	ft			
Dissolved Oxygen		4.42	mg/L			
pH		7.16	Std Unit			
Redox		192	mV			
Temperature		60.3	deg F			
Turbidity		13.4	NTU			
<b>METAL</b>						
Uranium		0.00522	mg/L		0.001	SW846-6020
Uranium	U	0.005	mg/L		0.005	ST7106-ISOT
<b>RADS</b>						
Alpha activity	U	-0.519	pCi/L	0.25	8.63	EPA-900.0
Beta activity		84.3	pCi/L	7.63	7.95	EPA-900.0
Dissolved Alpha	U	1.86	pCi/L	0.96	9.17	EPA-900.0
Dissolved Beta	B	65.2	pCi/L	7.11	17.2	EPA-900.0
Potassium-40	U	-258	pCi/L	515	374	RL-7124
Suspended Alpha	U	2.08	pCi/L	1.47	5.25	EPA-900.0
Suspended Beta	BU	-15.4	pCi/L	3.84	13.5	EPA-900.0
Technetium-99		107	pCi/L	14.7	15.9	RL-7100
Thorium-228	U	-0.0101	pCi/L	0.04	0.21	RL-7120
Thorium-230	U	-0.0339	pCi/L	0.05	0.21	RL-7120
Thorium-232	U	0.00037	pCi/L	0.02	0.13	RL-7120
Thorium-234		204	pCi/L	140	170	RL-7124
Uranium-234	U	0.001	mg/L		0.001	ST7106-ISOT
Uranium-235	U	0.001	mg/L		0.001	ST7106-ISOT
Uranium-238		0.00471	mg/L		0.001	ST7106-ISOT
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene	U	0.001	mg/L		0.001	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260

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**MW182**

**GWES03-02**

**Surveillance Semi-Annual Monitoring Phase 1 - March, Event 1 GWES03-**

**MW182ESQ2-03**

Collected: 3/11/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.68	Inches/Hg			
Conductivity		1004	umho/cm			
Depth to Water		14.07	ft			
Dissolved Oxygen		1.5	mg/L			
pH		6.81	Std Unit			
Redox		175	mV			
Temperature		57.7	deg F			
Turbidity		1999	NTU			
<b>METAL</b>						
Uranium	X	0.168	mg/L		0.001	SW846-6020
Uranium		0.164	mg/L		0.05	ST7106-ISOT
<b>RADS</b>						
Alpha activity		91.6	pCi/L	15.5	9.7	EPA-900.0
Beta activity		116	pCi/L	11.2	12.6	EPA-900.0
Dissolved Alpha		62.4	pCi/L	11.9	8.86	EPA-900.0
Dissolved Beta	B	101	pCi/L	9.48	17	EPA-900.0
Potassium-40	U	-247	pCi/L	493	380	RL-7124
Suspended Alpha	U	2.86	pCi/L	1.81	5.28	EPA-900.0
Suspended Beta	BU	-14.7	pCi/L	3.59	13.5	EPA-900.0
Technetium-99		19.6	pCi/L	11.8	15.9	RL-7100
Thorium-228	U	0.0525	pCi/L	0.09	0.26	RL-7120
Thorium-230	U	-0.0501	pCi/L	0.11	0.26	RL-7120
Thorium-232	U	0.00144	pCi/L	0.07	0.19	RL-7120
Thorium-234	U	54.9	pCi/L	175	156	RL-7124
Uranium-234	U	0.01	mg/L		0.01	ST7106-ISOT
Uranium-235	U	0.01	mg/L		0.01	ST7106-ISOT
Uranium-235		0.539	wt %			ST7106-ISOT
Uranium-238		0.163	mg/L		0.01	ST7106-ISOT
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene	U	0.001	mg/L		0.001	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260

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MW346

GWES03-02

Surveillance Semi-Annual Monitoring Phase 1 - March, Event 1 GWES03-

MW346ESQ2-03

Collected: 3/11/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.68	Inches/Hg			
Conductivity		529	umho/cm			
Depth to Water		44.9	ft			
Dissolved Oxygen		0.71	mg/L			
pH		8.38	Std Unit			
Redox		56	mV			
Temperature		60.3	deg F			
Turbidity		82.3	NTU			
<b>METAL</b>						
Uranium	B	0.00107	mg/L		0.001	SW846-6020
Uranium	U	0.005	mg/L		0.005	ST7106-ISOT
<b>RADS</b>						
Alpha activity		5.87	pCi/L	2.45	4.86	EPA-900.0
Beta activity		11.2	pCi/L	1.93	6.32	EPA-900.0
Dissolved Alpha	U	5.71	pCi/L	3.05	6.94	EPA-900.0
Dissolved Beta	BU	-14.2	pCi/L	3.26	15.4	EPA-900.0
Potassium-40	U	-84.9	pCi/L	170	415	RL-7124
Suspended Alpha	U	0.717	pCi/L	0.71	5.31	EPA-900.0
Suspended Beta	BU	-19.4	pCi/L	5.61	13.6	EPA-900.0
Technetium-99	U	2.34	pCi/L	11.2	15.9	RL-7100
Thorium-228	U	0.037	pCi/L	0.05	0.21	RL-7120
Thorium-230	U	0.0962	pCi/L	0.09	0.21	RL-7120
Thorium-232	U	0.0757	pCi/L	0.06	0.14	RL-7120
Thorium-234	U	6.96	pCi/L	13.9	268	RL-7124
Uranium-234	U	0.001	mg/L		0.001	ST7106-ISOT
Uranium-235	U	0.001	mg/L		0.001	ST7106-ISOT
Uranium-238	U	0.001	mg/L		0.001	ST7106-ISOT
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene	U	0.001	mg/L		0.001	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260

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**MW66**

**GWES03-02**

**Surveillance Semi-Annual Monitoring Phase 1 - March, Event 1 GWES03-**

**MW66ESQ2-03**

Collected: 3/24/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.91	Inches/Hg			
Conductivity		351	umho/cm			
Depth to Water		44.13	ft			
Dissolved Oxygen		4.57	mg/L			
pH		5.9	Std Unit			
Redox		242	mV			
Temperature		65.1	deg F			
Turbidity		6.5	NTU			
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium	U	0.005	mg/L		0.005	ST7106-ISOT
<b>RADS</b>						
Dissolved Alpha		24.2	pCi/L	3.47	8.13	EPA-900.0
Dissolved Beta		1280	pCi/L	38.4	10.3	EPA-900.0
Potassium-40	U	31.3	pCi/L	62.6	292	RL-7124
Suspended Alpha	U	-2.65	pCi/L	3.75	6.65	EPA-900.0
Suspended Beta	U	8.18	pCi/L	1.83	9.32	EPA-900.0
Thorium-228	U	-0.0469	pCi/L	0.04	0.22	RL-7120
Thorium-230	U	-0.0084	pCi/L	0.06	0.23	RL-7120
Thorium-232	U	0.0108	pCi/L	0.03	0.14	RL-7120
Thorium-234	U	-41.9	pCi/L	83.9	307	RL-7124
Uranium-234	U	0.001	mg/L		0.001	ST7106-ISOT
Uranium-235	U	0.001	mg/L		0.001	ST7106-ISOT
Uranium-238	U	0.001	mg/L		0.001	ST7106-ISOT

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## MW185

### GWES03-03

## Surveillance Semi-Annual Monitoring Phase 1 - June, Event 2 GWES03-03

### MW185ESQ3-03

Collected: 6/16/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.94	Inches/Hg			
Conductivity		536	umho/cm			
Depth to Water		43.69	ft			
Dissolved Oxygen		1.97	mg/L			
pH		6.62	Std Unit			
Redox		167	mV			
Temperature		61.9	deg F			
Turbidity		43.4	NTU			
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium	U	0.005	mg/L		0.005	ST7106-ISOT
<b>RADS</b>						
Alpha activity	U	1.92	pCi/L	0.33	3.88	EPA-900.0
Beta activity		556	pCi/L	18.4	6.42	EPA-900.0
Dissolved Alpha	U	2.8	pCi/L	0.71	9.93	EPA-900.0
Dissolved Beta		574	pCi/L	27.2	12.7	EPA-900.0
Mass of U-235	U	0.001	mg/L		0.001	ST7106-ISOT
Potassium-40	U	-61	pCi/L	122	406	RL-7124
Suspended Alpha	U	0.943	pCi/L	0.71	7.29	EPA-900.0
Suspended Beta	U	3.07	pCi/L	0.74	11.7	EPA-900.0
Technetium-99		720	pCi/L	27.4	17.8	RL-7100
Thorium-228	U	0.0382	pCi/L	0.04	0.21	RL-7120
Thorium-230	U	-0.0925	pCi/L	0.06	0.54	RL-7120
Thorium-232	U	0.0496	pCi/L	0.05	0.16	RL-7120
Thorium-234	U	158	pCi/L	158	150	RL-7124
Uranium-234	U	5E-06	mg/L		5E-06	ST7106-ISOT
Uranium-238	U	0.001	mg/L		0.001	ST7106-ISOT
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.25	mg/L		0.25	SW846-8260
1,1-Dichloroethane	U	0.25	mg/L		0.25	SW846-8260
Bromodichloromethane	U	0.25	mg/L		0.25	SW846-8260
cis-1,2-Dichloroethene	D	0.49	mg/L		0.25	SW846-8260
Ethylbenzene	U	0.25	mg/L		0.25	SW846-8260
Toluene	U	0.25	mg/L		0.25	SW846-8260
Total Xylene	U	0.75	mg/L		0.75	SW846-8260
trans-1,2-Dichloroethene	U	0.25	mg/L		0.25	SW846-8260
Trichloroethene	DX	4.1	mg/L		0.05	SW846-8260

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**MW186**

**GWES03-03**

**Surveillance Semi-Annual Monitoring Phase 1 - June, Event 2 GWES03-03**

**MW186ESQ3-03**

Collected: 6/16/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.94	Inches/Hg			
Conductivity		1480	umho/cm			
Depth to Water		7.5	ft			
Dissolved Oxygen		0.57	mg/L			
pH		6.03	Std Unit			
Redox		98	mV			
Temperature		60.3	deg F			
Turbidity		41.2	NTU			
<b>METAL</b>						
Uranium	U	0.005	mg/L		0.005	ST7106-ISOT
Uranium	U	0.001	mg/L		0.001	SW846-6020
<b>RADS</b>						
Alpha activity		20.7	pCi/L	8.45	10.6	EPA-900.0
Beta activity		38.4	pCi/L	5.66	13.8	EPA-900.0
Dissolved Alpha	U	-1.11	pCi/L	0.78	18.7	EPA-900.0
Dissolved Beta		47.8	pCi/L	7.07	14.6	EPA-900.0
Mass of U-235	U	0.001	mg/L		0.001	ST7106-ISOT
Potassium-40	U	33	pCi/L	230	192	RL-7124
Suspended Alpha	U	0.0501	pCi/L	0.04	7.24	EPA-900.0
Suspended Beta	U	-0.918	pCi/L	0.24	11.7	EPA-900.0
Technetium-99	U	9.4	pCi/L	12.5	17.8	RL-7100
Thorium-228	UT	0.067	pCi/L	0.13	0.28	RL-7120
Thorium-230	UT	-0.0304	pCi/L	0.14	0.61	RL-7120
Thorium-232	UT	0.00404	pCi/L	0.14	0.26	RL-7120
Thorium-234	U	-22.9	pCi/L	45.8	271	RL-7124
Uranium-234	U	5E-06	mg/L		5E-06	ST7106-ISOT
Uranium-238	U	0.001	mg/L		0.001	ST7106-ISOT
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.05	mg/L		0.05	SW846-8260
1,1-Dichloroethane	UX	0.05	mg/L		0.05	SW846-8260
Bromodichloromethane	U	0.05	mg/L		0.05	SW846-8260
cis-1,2-Dichloroethene	D	0.35	mg/L		0.05	SW846-8260
Ethylbenzene	U	0.05	mg/L		0.05	SW846-8260
Tetrachloroethene	U	0.05	mg/L		0.05	SW846-8260
Toluene	U	0.05	mg/L		0.05	SW846-8260
Total Xylene	U	0.15	mg/L		0.15	SW846-8260
trans-1,2-Dichloroethene	U	0.05	mg/L		0.05	SW846-8260
Trichloroethene	D	0.2	mg/L		0.01	SW846-8260
Vinyl chloride	DX	0.55	mg/L		0.02	SW846-8260

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**MW187**

**GWES03-03**

**Surveillance Semi-Annual Monitoring Phase 1 - June, Event 2 GWES03-03**

**MW187ESQ3-03**

Collected: 6/10/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.85	Inches/Hg			
Conductivity		872	umho/cm			
Depth to Water		7.02	ft			
Dissolved Oxygen		1.67	mg/L			
pH		6.5	Std Unit			
Redox		228	mV			
Temperature		64.1	deg F			
Turbidity		138	NTU			
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium	U	0.005	mg/L		0.005	ST7106-ISOT
<b>RADS</b>						
Alpha activity	U	-1.04	pCi/L	0.79	9.47	EPA-900.0
Beta activity	U	3.75	pCi/L	0.82	6.32	EPA-900.0
Dissolved Alpha	U	7.64	pCi/L	4.08	11.9	EPA-900.0
Dissolved Beta	U	5.41	pCi/L	1.29	11.7	EPA-900.0
Mass of U-235	U	0.001	mg/L		0.001	ST7106-ISOT
Potassium-40	U	66.4	pCi/L	270	192	RL-7124
Suspended Alpha	U	2.63	pCi/L	1.58	5.95	EPA-900.0
Suspended Beta	U	1.62	pCi/L	0.42	9.88	EPA-900.0
Technetium-99	U	7.49	pCi/L	11.4	16.5	RL-7100
Thorium-228	U	-0.0205	pCi/L	0.03	0.22	RL-7120
Thorium-230		0.69	pCi/L	0.19	0.5	RL-7120
Thorium-232	U	0.0429	pCi/L	0.05	0.16	RL-7120
Thorium-234	U	-248	pCi/L	495	252	RL-7124
Uranium-234	U	5E-06	mg/L		5E-06	ST7106-ISOT
Uranium-238	U	0.001	mg/L		0.001	ST7106-ISOT
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.1	mg/L		0.1	SW846-8260
1,1-Dichloroethane	U	0.1	mg/L		0.1	SW846-8260
Bromodichloromethane	U	0.1	mg/L		0.1	SW846-8260
cis-1,2-Dichloroethene	UX	0.1	mg/L		0.1	SW846-8260
Ethylbenzene	U	0.1	mg/L		0.1	SW846-8260
Toluene	U	0.1	mg/L		0.1	SW846-8260
Total Xylene	U	0.3	mg/L		0.3	SW846-8260
trans-1,2-Dichloroethene	U	0.1	mg/L		0.1	SW846-8260
Trichloroethene	DX	1.7	mg/L		0.02	SW846-8260



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**MW333**

**GWES03-03**

**Surveillance Semi-Annual Monitoring Phase 1 - June, Event 2 GWES03-03**

**MW333ESQ3-03**

Collected: 6/10/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.85	Inches/Hg			
Conductivity		238	umho/cm			
Depth to Water		46.67	ft			
Dissolved Oxygen		1.6	mg/L			
pH		6.3	Std Unit			
Redox		196	mV			
Temperature		62.4	deg F			
Turbidity		29.7	NTU			
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium	U	0.005	mg/L		0.005	ST7106-ISOT
<b>RADS</b>						
Alpha activity	U	1.08	pCi/L	0.62	4.58	EPA-900.0
Beta activity	U	1.1	pCi/L	0.26	5.35	EPA-900.0
Dissolved Alpha	U	-1.84	pCi/L	2.6	6.8	EPA-900.0
Dissolved Beta	U	4.51	pCi/L	1.09	10.3	EPA-900.0
Mass of U-235	U	0.001	mg/L		0.001	ST7106-ISOT
Potassium-40	U	72.4	pCi/L	231	182	RL-7124
Suspended Alpha	U	4.36	pCi/L	2.25	6.01	EPA-900.0
Suspended Beta	U	3.8	pCi/L	0.92	9.94	EPA-900.0
Technetium-99	U	12.4	pCi/L	11.7	16.5	RL-7100
Thorium-228	U	0.00321	pCi/L	0.02	0.2	RL-7120
Thorium-230	U	-0.0407	pCi/L	0.07	0.49	RL-7120
Thorium-232	U	0.0272	pCi/L	0.02	0.12	RL-7120
Thorium-234	U	-85.9	pCi/L	172	267	RL-7124
Uranium-234	U	5E-06	mg/L		5E-06	ST7106-ISOT
Uranium-238	U	0.001	mg/L		0.001	ST7106-ISOT
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.025	mg/L		0.025	SW846-8260
1,1-Dichloroethane	U	0.025	mg/L		0.025	SW846-8260
Benzene	U	0.025	mg/L		0.025	SW846-8260
Bromodichloromethane	U	0.025	mg/L		0.025	SW846-8260
cis-1,2-Dichloroethene	D	0.043	mg/L		0.025	SW846-8260
Ethylbenzene	U	0.025	mg/L		0.025	SW846-8260
Tetrachloroethene	U	0.025	mg/L		0.025	SW846-8260
Toluene	U	0.025	mg/L		0.025	SW846-8260
Total Xylene	U	0.075	mg/L		0.075	SW846-8260
trans-1,2-Dichloroethene	U	0.025	mg/L		0.025	SW846-8260
Trichloroethene	DX	0.55	mg/L		0.005	SW846-8260

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**MW337**

**GWES03-03**

**Surveillance Semi-Annual Monitoring Phase 1 - June, Event 2 GWES03-03**

**MW337ESQ3-03**

Collected: 6/9/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.88	Inches/Hg			
Conductivity		230	umho/cm			
Depth to Water		44.03	ft			
Dissolved Oxygen		3.09	mg/L			
pH		6.24	Std Unit			
Redox		185	mV			
Temperature		64.3	deg F			
Turbidity		9.4	NTU			
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium	U	0.005	mg/L		0.005	ST7106-ISOT
<b>RADS</b>						
Alpha activity	U	0.265	pCi/L	0.1	4.47	EPA-900.0
Beta activity		63.1	pCi/L	5.53	5.32	EPA-900.0
Dissolved Alpha	U	2.54	pCi/L	1.16	6.68	EPA-900.0
Dissolved Beta		73.8	pCi/L	8.3	10.3	EPA-900.0
Mass of U-235	U	0.001	mg/L		0.001	ST7106-ISOT
Potassium-40	U	137	pCi/L	228	185	RL-7124
Suspended Alpha	U	1.76	pCi/L	1.17	6.04	EPA-900.0
Suspended Beta	U	1.36	pCi/L	0.35	9.96	EPA-900.0
Technetium-99		113	pCi/L	16.4	18.5	RL-7100
Thorium-228	U	0.00793	pCi/L	0.03	0.21	RL-7120
Thorium-230	U	-0.0461	pCi/L	0.11	0.57	RL-7120
Thorium-232	U	-0.0084	pCi/L	0.03	0.14	RL-7120
Thorium-234	U	10.7	pCi/L	21.4	271	RL-7124
Uranium-234	U	5E-06	mg/L		5E-06	ST7106-ISOT
Uranium-238	U	0.001	mg/L		0.001	ST7106-ISOT
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.025	mg/L		0.025	SW846-8260
1,1-Dichloroethane	U	0.025	mg/L		0.025	SW846-8260
Benzene	U	0.025	mg/L		0.025	SW846-8260
Bromodichloromethane	U	0.025	mg/L		0.025	SW846-8260
cis-1,2-Dichloroethene	D	0.056	mg/L		0.025	SW846-8260
Ethylbenzene	U	0.025	mg/L		0.025	SW846-8260
Tetrachloroethene	U	0.025	mg/L		0.025	SW846-8260
Toluene	U	0.025	mg/L		0.025	SW846-8260
Total Xylene	U	0.075	mg/L		0.075	SW846-8260
trans-1,2-Dichloroethene	U	0.025	mg/L		0.025	SW846-8260
Trichloroethene	DX	0.58	mg/L		0.005	SW846-8260

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MW338

GWES03-03

Surveillance Semi-Annual Monitoring Phase 1 - June, Event 2 GWES03-03

MW338ESQ3-03

Collected: 6/9/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.88	Inches/Hg			
Conductivity		176	umho/cm			
Depth to Water		44.42	ft			
Dissolved Oxygen		2.36	mg/L			
pH		6.12	Std Unit			
Redox		158	mV			
Temperature		65.8	deg F			
Turbidity		41.6	NTU			
<b>METAL</b>						
Uranium	U	0.005	mg/L		0.005	ST7106-ISOT
Uranium	U	0.001	mg/L		0.001	SW846-6020
<b>RADS</b>						
Alpha activity	U	-0.525	pCi/L	0.37	4.32	EPA-900.0
Beta activity		8.03	pCi/L	1.47	5.28	EPA-900.0
Dissolved Alpha	U	0.512	pCi/L	0.38	6.68	EPA-900.0
Dissolved Beta	U	8.14	pCi/L	1.8	10.3	EPA-900.0
Mass of U-235	U	0.001	mg/L		0.001	ST7106-ISOT
Potassium-40	U	-78	pCi/L	156	396	RL-7124
Suspended Alpha	U	2.9	pCi/L	1.75	6	EPA-900.0
Suspended Beta	U	-2.71	pCi/L	0.82	9.93	EPA-900.0
Technetium-99		18.8	pCi/L	11.8	16.3	RL-7100
Thorium-228	U	-0.0104	pCi/L	0.02	0.22	RL-7120
Thorium-230	U	0.0159	pCi/L	0.07	0.49	RL-7120
Thorium-232	U	0.00784	pCi/L	0.03	0.13	RL-7120
Thorium-234	U	42.4	pCi/L	84.9	284	RL-7124
Uranium-234	U	5E-06	mg/L		5E-06	ST7106-ISOT
Uranium-238	U	0.001	mg/L		0.001	ST7106-ISOT
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.01	mg/L		0.01	SW846-8260
1,1,2-Trichloroethane	U	0.01	mg/L		0.01	SW846-8260
1,1-Dichloroethane	U	0.01	mg/L		0.01	SW846-8260
1,2-Dichloroethane	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.01	mg/L		0.01	SW846-8260
Bromodichloromethane	U	0.01	mg/L		0.01	SW846-8260
Carbon tetrachloride	U	0.01	mg/L		0.01	SW846-8260
cis-1,2-Dichloroethene	UX	0.01	mg/L		0.01	SW846-8260
Ethylbenzene	U	0.01	mg/L		0.01	SW846-8260
Tetrachloroethene	U	0.01	mg/L		0.01	SW846-8260
Toluene	U	0.01	mg/L		0.01	SW846-8260
Total Xylene	U	0.03	mg/L		0.03	SW846-8260
trans-1,2-Dichloroethene	U	0.01	mg/L		0.01	SW846-8260
Trichloroethene	DX	0.14	mg/L		0.002	SW846-8260

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**MW339**

**GWES03-03**

**Surveillance Semi-Annual Monitoring Phase 1 - June, Event 2 GWES03-03**

**MW339ESQ3-03**

Collected: 6/16/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.91	Inches/Hg			
Conductivity		501	umho/cm			
Depth to Water		43.82	ft			
Dissolved Oxygen		1.96	mg/L			
pH		6.1	Std Unit			
Redox		176	mV			
Temperature		64.3	deg F			
Turbidity		29.9	NTU			
<b>METAL</b>						
Uranium	U	0.005	mg/L		0.005	ST7106-ISOT
Uranium	U	0.001	mg/L		0.001	SW846-6020
<b>RADS</b>						
Alpha activity	U	-12.6	pCi/L	1.2	3.65	EPA-900.0
Beta activity		2120	pCi/L	35.9	6.33	EPA-900.0
Dissolved Alpha		20.1	pCi/L	2.74	9.48	EPA-900.0
Dissolved Beta		1980	pCi/L	50.8	12.6	EPA-900.0
Mass of U-235	U	0.001	mg/L		0.001	ST7106-ISOT
Potassium-40	U	-235	pCi/L	470	332	RL-7124
Suspended Alpha	U	4.72	pCi/L	2.53	7.18	EPA-900.0
Suspended Beta	U	3.66	pCi/L	0.87	11.6	EPA-900.0
Technetium-99		2610	pCi/L	48.4	17.8	RL-7100
Thorium-228	U	0.0372	pCi/L	0.04	0.21	RL-7120
Thorium-230	U	0.202	pCi/L	0.13	0.55	RL-7120
Thorium-232	U	-0.0077	pCi/L	0.05	0.14	RL-7120
Thorium-234	U	-8.9	pCi/L	17.8	269	RL-7124
Uranium-234	U	5E-06	mg/L		5E-06	ST7106-ISOT
Uranium-238	U	0.001	mg/L		0.001	ST7106-ISOT
<b>VOA</b>						
1,1,1-Trichloroethane	U	2	mg/L		2	SW846-8260
1,1-Dichloroethane	U	2	mg/L		2	SW846-8260
Bromodichloromethane	U	2	mg/L		2	SW846-8260
Toluene	U	2	mg/L		2	SW846-8260
Total Xylene	U	6	mg/L		6	SW846-8260
Trichloroethene	DX	22	mg/L		0.4	SW846-8260

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## MW340

### GWES03-03

## Surveillance Semi-Annual Monitoring Phase 1 - June, Event 2 GWES03-03

### MW340ESQ3-03

Collected: 6/16/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.94	Inches/Hg			
Conductivity		469	umho/cm			
Depth to Water		44.32	ft			
Dissolved Oxygen		3.36	mg/L			
pH		6.2	Std Unit			
Redox		163	mV			
Temperature		64.1	deg F			
Turbidity		133	NTU			
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium	U	0.005	mg/L		0.005	ST7106-ISOT
<b>RADS</b>						
Alpha activity		5.51	pCi/L	1.05	3.8	EPA-900.0
Beta activity		435	pCi/L	16.2	6.39	EPA-900.0
Dissolved Alpha		17.7	pCi/L	4.38	10	EPA-900.0
Dissolved Beta		406	pCi/L	22.7	12.7	EPA-900.0
Mass of U-235	U	0.001	mg/L		0.001	ST7106-ISOT
Potassium-40	U	72.5	pCi/L	264	190	RL-7124
Suspended Alpha	U	2.53	pCi/L	1.68	7.2	EPA-900.0
Suspended Beta	U	-6.11	pCi/L	1.98	11.7	EPA-900.0
Technetium-99		505	pCi/L	23.8	17.8	RL-7100
Thorium-228	U	0.0309	pCi/L	0.04	0.21	RL-7120
Thorium-230	U	0.274	pCi/L	0.13	0.54	RL-7120
Thorium-232	U	0.0268	pCi/L	0.06	0.13	RL-7120
Thorium-234	U	7.54	pCi/L	15.1	282	RL-7124
Uranium-234	U	5E-06	mg/L		5E-06	ST7106-ISOT
Uranium-238	U	0.001	mg/L		0.001	ST7106-ISOT
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.1	mg/L		0.1	SW846-8260
1,1-Dichloroethane	U	0.1	mg/L		0.1	SW846-8260
Bromodichloromethane	U	0.1	mg/L		0.1	SW846-8260
cis-1,2-Dichloroethene	U	0.1	mg/L		0.1	SW846-8260
Ethylbenzene	U	0.1	mg/L		0.1	SW846-8260
Toluene	U	0.1	mg/L		0.1	SW846-8260
Total Xylene	U	0.3	mg/L		0.3	SW846-8260
trans-1,2-Dichloroethene	U	0.1	mg/L		0.1	SW846-8260
Trichloroethene	DX	1.2	mg/L		0.02	SW846-8260

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## MW63

### GWES03-03

## Surveillance Semi-Annual Monitoring Phase 1 - June, Event 2 GWES03-03

### MW63ESQ3-03

Collected: 6/10/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.85	Inches/Hg			
Conductivity		253	umho/cm			
Depth to Water		42.46	ft			
Dissolved Oxygen		2.31	mg/L			
pH		6.4	Std Unit			
Redox		148	mV			
Temperature		64	deg F			
Turbidity		224	NTU			
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium	U	0.005	mg/L		0.005	ST7106-ISOT
<b>RADS</b>						
Alpha activity	U	2.66	pCi/L	1.22	4.66	EPA-900.0
Beta activity		8.16	pCi/L	1.5	5.37	EPA-900.0
Dissolved Alpha	U	1.54	pCi/L	1.03	6.81	EPA-900.0
Dissolved Beta	U	8.46	pCi/L	1.86	10.3	EPA-900.0
Mass of U-235	U	0.001	mg/L		0.001	ST7106-ISOT
Potassium-40		233	pCi/L	210	175	RL-7124
Suspended Alpha	U	0.837	pCi/L	0.63	6.01	EPA-900.0
Suspended Beta	U	1.36	pCi/L	0.35	9.94	EPA-900.0
Technetium-99		20.8	pCi/L	11.9	16.3	RL-7100
Thorium-228	U	-0.0192	pCi/L	0.03	0.21	RL-7120
Thorium-230		0.713	pCi/L	0.18	0.5	RL-7120
Thorium-232	U	0.0568	pCi/L	0.06	0.14	RL-7120
Thorium-234	U	38.2	pCi/L	76.4	278	RL-7124
Uranium-234	U	5E-06	mg/L		5E-06	ST7106-ISOT
Uranium-238	U	0.001	mg/L		0.001	ST7106-ISOT
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene		0.014	mg/L		0.001	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260

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## MW65

### GWES03-03

## Surveillance Semi-Annual Monitoring Phase 1 - June, Event 2 GWES03-03

### MW65ESQ3-03

Collected: 6/11/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.8	Inches/Hg			
Conductivity		206	umho/cm			
Depth to Water		42.35	ft			
Dissolved Oxygen		3.34	mg/L			
pH		6	Std Unit			
Redox		261	mV			
Temperature		63.8	deg F			
Turbidity		18.7	NTU			
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium	U	0.005	mg/L		0.005	ST7106-ISOT
<b>RADS</b>						
Alpha activity	U	-1.08	pCi/L	0.81	4.43	EPA-900.0
Beta activity		14.8	pCi/L	2.29	5.28	EPA-900.0
Dissolved Alpha	U	-0.551	pCi/L	0.55	6.22	EPA-900.0
Dissolved Beta		19	pCi/L	3.59	10.1	EPA-900.0
Mass of U-235	U	0.001	mg/L		0.001	ST7106-ISOT
Potassium-40	U	-275	pCi/L	550	276	RL-7124
Suspended Alpha	U	-0.213	pCi/L	0.24	5.46	EPA-900.0
Suspended Beta	U	3.93	pCi/L	1.01	9.72	EPA-900.0
Technetium-99		25.8	pCi/L	12.2	16.5	RL-7100
Thorium-228	U	-0.0025	pCi/L	0.02	0.21	RL-7120
Thorium-230	U	0.479	pCi/L	0.15	0.54	RL-7120
Thorium-232	U	0.0242	pCi/L	0.03	0.14	RL-7120
Thorium-234	U	50.2	pCi/L	101	320	RL-7124
Uranium-234	U	5E-06	mg/L		5E-06	ST7106-ISOT
Uranium-238	U	0.001	mg/L		0.001	ST7106-ISOT
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	UX	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene		0.043	mg/L		0.001	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260

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## MW65

### GWES03-03

## Surveillance Semi-Annual Monitoring Phase 1 - June, Event 2 GWES03-03

### MW65DESQ3-03

Collected: 6/11/2003

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.8	Inches/Hg			
Conductivity		206	umho/cm			
Depth to Water		42.35	ft			
Dissolved Oxygen		3.34	mg/L			
pH		6	Std Unit			
Redox		261	mV			
Temperature		63.8	deg F			
Turbidity		18.7	NTU			
<b>METAL</b>						
Uranium	U	0.005	mg/L		0.005	ST7106-ISOT
Uranium	U	0.001	mg/L		0.001	SW846-6020
<b>RADS</b>						
Alpha activity	U	1.73	pCi/L	1.73	4.48	EPA-900.0
Beta activity		11.4	pCi/L	1.92	5.29	EPA-900.0
Dissolved Alpha	U	2.63	pCi/L	1.75	6.1	EPA-900.0
Dissolved Beta		13.1	pCi/L	2.73	10.1	EPA-900.0
Mass of U-235	U	0.001	mg/L		0.001	ST7106-ISOT
Potassium-40	U	-103	pCi/L	206	315	RL-7124
Suspended Alpha	U	2.18	pCi/L	1.54	5.45	EPA-900.0
Suspended Beta	U	6.45	pCi/L	1.54	9.72	EPA-900.0
Technetium-99		27.2	pCi/L	12.2	16.5	RL-7100
Thorium-228	U	0.0169	pCi/L	0.05	0.24	RL-7120
Thorium-230	U	-0.127	pCi/L	0.08	0.56	RL-7120
Thorium-232	U	-0.0911	pCi/L	0.06	0.17	RL-7120
Thorium-234	U	107	pCi/L	214	325	RL-7124
Uranium-234	U	5E-06	mg/L		5E-06	ST7106-ISOT
Uranium-238	U	0.001	mg/L		0.001	ST7106-ISOT
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	UX	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene		0.041	mg/L		0.001	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260



**MW180**

**GWES03-04**

**Wellbore Semi-Annual Monitoring Phase 2 - September, Event 1 GWES03-04**

**MW180ESQ4-03**

Collected: 9/10/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		30.03	Inches/Hg			
Conductivity		809	umho/cm			
Depth to Water		15.25	ft			
Dissolved Oxygen		1.17	mg/L			
pH		6.98	Std Unit			
Redox		134	mV			
Temperature		64.8	deg F			
Turbidity		38.7	NTU			
<b>METAL</b>						
Uranium		0.0031	mg/L		0.001	SW846-6020
<b>RADS</b>						
Alpha activity	U	8.35	pCi/L	2.95	12.9	EPA-900.0
Beta activity		121	pCi/L	9.33	7.85	EPA-900.0
Technetium-99		148	pCi/L	15.4	15.5	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene	U	0.001	mg/L		0.001	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260

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**MW182**

**GWES03-04**

**Wellance Semi-Annual Monitoring Phase 2 - September, Event 1 GWES03-04**

**MW182ESQ4-03**

Collected: 9/10/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		30.03	Inches/Hg			
Conductivity		1.057	umho/cm			
Depth to Water		13.74	ft			
Dissolved Oxygen		1.16	mg/L			
pH		6.76	Std Unit			
Redox		-31	mV			
Temperature		66.3	deg F			
Turbidity		744	NTU			
<b>METAL</b>						
Uranium	X	0.122	mg/L		0.01	SW846-6020
<b>RADS</b>						
Alpha activity		81	pCi/L	14.1	14.6	EPA-900.0
Beta activity		91	pCi/L	7.84	7.16	EPA-900.0
Technetium-99		17.8	pCi/L	10.9	14.9	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene	U	0.001	mg/L		0.001	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260

**MW346**

**GWES03-04**

**veillance Semi-Annual Monitoring Phase 2 - September, Event 1 GWES03-04**

**MW346ESQ4-03**

Collected: 9/10/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		30.03	Inches/Hg			
Conductivity		519	umho/cm			
Depth to Water		46.05	ft			
Dissolved Oxygen		0.82	mg/L			
pH		8.51	Std Unit			
Redox		-58	mV			
Temperature		63.3	deg F			
Turbidity		32.7	NTU			
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	SW846-6020
<b>RADS</b>						
Alpha activity	U	4.73	pCi/L	2.23	8.46	EPA-900.0
Beta activity		8.96	pCi/L	1.69	7.11	EPA-900.0
Technetium-99	U	5.3	pCi/L	10.8	15.5	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene	U	0.001	mg/L		0.001	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260

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**MW185**

**GWES04-01**

**Surveillance Semi-Annual Monitoring-Phase 2 - December, Event2 GWES0**

**MW185SA1-04**

Collected: 12/9/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.83	Inches/Hg			
Conductivity		489	umho/cm			
Depth to Water		48.97	ft			
Dissolved Oxygen		2.41	mg/L			
pH		6.62	Std Unit			
Redox		124	mV			
Temperature		60.3	deg F			
Turbidity		45.5	NTU			
<b>METAL</b>						
Uranium	U	0.005	mg/L		0.005	ST7106-ISOT
Uranium	BU	0.001	mg/L		0.001	SW846-6020
<b>RADS</b>						
Alpha activity	U	3.23	pCi/L	0.557	5.79	EPA-900.0
Beta activity		592	pCi/L	19.2	5.81	EPA-900.0
Technetium-99		817	pCi/L	27.7	15.4	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.25	mg/L		0.25	SW846-8260
1,1-Dichloroethane	U	0.25	mg/L		0.25	SW846-8260
Bromodichloromethane	U	0.25	mg/L		0.25	SW846-8260
cis-1,2-Dichloroethene	D	0.29	mg/L		0.25	SW846-8260
Ethylbenzene	U	0.25	mg/L		0.25	SW846-8260
Toluene	U	0.25	mg/L		0.25	SW846-8260
Total Xylene	U	0.75	mg/L		0.75	SW846-8260
trans-1,2-Dichloroethene	U	0.25	mg/L		0.25	SW846-8260
Trichloroethene	DX	3.8	mg/L		0.05	SW846-8260

**MW186**

**GWES04-01**

**Surveillance Semi-Annual Monitoring-Phase 2 - December, Event2 GWES0**

**MW186SA1-04**

Collected: 12/9/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.83	Inches/Hg			
Conductivity		1500	umho/cm			
Depth to Water		8.55	ft			
Dissolved Oxygen		0.76	mg/L			
pH		6.25	Std Unit			
Redox		83	mV			
Temperature		61.1	deg F			
Turbidity		43.5	NTU			
<b>METAL</b>						
Uranium	U	0.005	mg/L		0.005	ST7106-ISOT
Uranium	BU	0.001	mg/L		0.001	SW846-6020
<b>RADS</b>						
Alpha activity	U	12.5	pCi/L	5.91	19.3	EPA-900.0
Beta activity		48	pCi/L	6.96	12.8	EPA-900.0
Technetium-99		27.3	pCi/L	11.6	15.4	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.05	mg/L		0.05	SW846-8260
1,1-Dichloroethane	UX	0.05	mg/L		0.05	SW846-8260
Bromodichloromethane	U	0.05	mg/L		0.05	SW846-8260
cis-1,2-Dichloroethene	D	0.36	mg/L		0.05	SW846-8260
Ethylbenzene	U	0.05	mg/L		0.05	SW846-8260
Tetrachloroethene	U	0.05	mg/L		0.05	SW846-8260
Toluene	U	0.05	mg/L		0.05	SW846-8260
Total Xylene	U	0.15	mg/L		0.15	SW846-8260
trans-1,2-Dichloroethene	U	0.05	mg/L		0.05	SW846-8260
Trichloroethene	D	0.1	mg/L		0.01	SW846-8260
Vinyl chloride	DJX	0.72	mg/L		0.02	SW846-8260

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MW187

GWES04-01

Surveillance Semi-Annual Monitoring-Phase 2 - December, Event2 GWES0

MW187SA1-04

Collected: 12/9/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.83	Inches/Hg			
Conductivity		926	umho/cm			
Depth to Water		6.77	ft			
Dissolved Oxygen		1.23	mg/L			
pH		6.54	Std Unit			
Redox		105	mV			
Temperature		62.8	deg F			
Turbidity		64	NTU			
<b>METAL</b>						
Uranium	BU	0.001	mg/L		0.001	SW846-6020
Uranium	U	0.005	mg/L		0.005	ST7106-ISOT
<b>RADS</b>						
Alpha activity	U	2.57	pCi/L	1.63	10.9	EPA-900.0
Beta activity		10.4	pCi/L	1.97	6.57	EPA-900.0
Technetium-99	U	6.97	pCi/L	10.8	15.4	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.1	mg/L		0.1	SW846-8260
1,1-Dichloroethane	U	0.1	mg/L		0.1	SW846-8260
Bromodichloromethane	U	0.1	mg/L		0.1	SW846-8260
cis-1,2-Dichloroethene	D	0.16	mg/L		0.1	SW846-8260
Ethylbenzene	U	0.1	mg/L		0.1	SW846-8260
Toluene	U	0.1	mg/L		0.1	SW846-8260
Total Xylene	U	0.3	mg/L		0.3	SW846-8260
trans-1,2-Dichloroethene	U	0.1	mg/L		0.1	SW846-8260
Trichloroethene	DX	2	mg/L		0.02	SW846-8260

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MW333

GWES04-01

Surveillance Semi-Annual Monitoring-Phase 2 - December, Event2 GWES0

MW333SA1-04

Collected: 12/4/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.94	Inches/Hg			
Conductivity		230	umho/cm			
Depth to Water		51.8	ft			
Dissolved Oxygen		2.35	mg/L			
pH		6.5	Std Unit			
Redox		187	mV			
Temperature		56.8	deg F			
Turbidity		15.9	NTU			
<b>METAL</b>						
Uranium	U	0.005	mg/L		0.005	ST7106-ISOT
Uranium	NU	0.001	mg/L		0.001	SW846-6020
<b>RADS</b>						
Alpha activity	U	0.213	pCi/L	0.174	4.83	EPA-900.0
Beta activity	U	2.21	pCi/L	0.562	5.53	EPA-900.0
Technetium-99	U	0	pCi/L	0	17.1	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.025	mg/L		0.025	SW846-8260
1,1-Dichloroethane	U	0.025	mg/L		0.025	SW846-8260
Benzene	U	0.025	mg/L		0.025	SW846-8260
Bromodichloromethane	U	0.025	mg/L		0.025	SW846-8260
cis-1,2-Dichloroethene	D	0.037	mg/L		0.025	SW846-8260
Ethylbenzene	U	0.025	mg/L		0.025	SW846-8260
Tetrachloroethene	U	0.025	mg/L		0.025	SW846-8260
Toluene	U	0.025	mg/L		0.025	SW846-8260
Total Xylene	U	0.075	mg/L		0.075	SW846-8260
trans-1,2-Dichloroethene	U	0.025	mg/L		0.025	SW846-8260
Trichloroethene	DX	0.44	mg/L		0.005	SW846-8260

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MW337

GWES04-01

Surveillance Semi-Annual Monitoring-Phase 2 - December, Event2 GWES0

MW337SA1-04

Collected: 12/4/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.94	Inches/Hg			
Conductivity		188	umho/cm			
Depth to Water		49.22	ft			
Dissolved Oxygen		4.75	mg/L			
pH		6.3	Std Unit			
Redox		182	mV			
Temperature		55.5	deg F			
Turbidity		10	NTU			
<b>METAL</b>						
Uranium	NU	0.001	mg/L		0.001	SW846-6020
Uranium	U	0.005	mg/L		0.005	ST7106-ISOT
<b>RADS</b>						
Alpha activity		10.8	pCi/L	2.66	4.65	EPA-900.0
Beta activity		159	pCi/L	9.75	5.48	EPA-900.0
Technetium-99		168	pCi/L	16.7	17.1	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.025	mg/L		0.025	SW846-8260
1,1-Dichloroethane	U	0.025	mg/L		0.025	SW846-8260
Benzene	U	0.025	mg/L		0.025	SW846-8260
Bromodichloromethane	U	0.025	mg/L		0.025	SW846-8260
cis-1,2-Dichloroethene	UX	0.025	mg/L		0.025	SW846-8260
Ethylbenzene	U	0.025	mg/L		0.025	SW846-8260
Tetrachloroethene	U	0.025	mg/L		0.025	SW846-8260
Toluene	U	0.025	mg/L		0.025	SW846-8260
Total Xylene	U	0.075	mg/L		0.075	SW846-8260
trans-1,2-Dichloroethene	U	0.025	mg/L		0.025	SW846-8260
Trichloroethene	DX	0.11	mg/L		0.005	SW846-8260



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**MW338**

**GWES04-01**

**Surveillance Semi-Annual Monitoring-Phase 2 - December, Event2 GWES0**

**MW338SA1-04**

Collected: 12/4/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.94	Inches/Hg			
Conductivity		202	umho/cm			
Depth to Water		49.47	ft			
Dissolved Oxygen		5.43	mg/L			
pH		6.2	Std Unit			
Redox		193	mV			
Temperature		56.2	deg F			
Turbidity		52.9	NTU			
<b>METAL</b>						
Uranium	U	0.005	mg/L		0.005	ST7106-ISOT
Uranium	NU	0.001	mg/L		0.001	SW846-6020
<b>RADS</b>						
Alpha activity	U	1.42	pCi/L	0.899	4.87	EPA-900.0
Beta activity		6.17	pCi/L	1.32	5.54	EPA-900.0
Technetium-99	U	0	pCi/L	0	17.1	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	UX	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene		0.009	mg/L		0.001	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260

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**MW339**

**GWES04-01**

**Surveillance Semi-Annual Monitoring-Phase 2 - December, Event2 GWES0**

**MW339SA1-04**

Collected: 12/10/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.44	Inches/Hg			
Conductivity		497	umho/cm			
Depth to Water		48.72	ft			
Dissolved Oxygen		3.61	mg/L			
pH		5.95	Std Unit			
Redox		245	mV			
Temperature		60.6	deg F			
Turbidity		24.6	NTU			
<b>METAL</b>						
Uranium	U	0.005	mg/L		0.005	ST7106-ISOT
Uranium	U	0.001	mg/L		0.001	SW846-6020
<b>RADS</b>						
Alpha activity	U	5.59	pCi/L	0.56	10.4	EPA-900.0
Beta activity		1860	pCi/L	35.2	7.2	EPA-900.0
Technetium-99		2460	pCi/L	45.5	15.4	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	2.5	mg/L		2.5	SW846-8260
1,1-Dichloroethane	U	2.5	mg/L		2.5	SW846-8260
Bromodichloromethane	U	2.5	mg/L		2.5	SW846-8260
Toluene	U	2.5	mg/L		2.5	SW846-8260
Total Xylene	U	7.5	mg/L		7.5	SW846-8260
Trichloroethene	DX	19	mg/L		0.5	SW846-8260

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**MW340**

**GWES04-01**

**Surveillance Semi-Annual Monitoring-Phase 2 - December, Event2 GWES0**

**MW340SA1-04**

Collected: 12/10/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.44	Inches/Hg			
Conductivity		461	umho/cm			
Depth to Water		49.1	ft			
Dissolved Oxygen		3.81	mg/L			
pH		6.02	Std Unit			
Redox		275	mV			
Temperature		60.9	deg F			
Turbidity		72.3	NTU			
<b>METAL</b>						
Uranium	U	0.005	mg/L		0.005	ST7106-ISOT
Uranium	U	0.001	mg/L		0.001	SW846-6020
<b>RADS</b>						
Alpha activity		14.2	pCi/L	2.55	10.5	EPA-900.0
Beta activity		429	pCi/L	16.8	7.22	EPA-900.0
Technetium-99		516	pCi/L	22.9	15.4	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.1	mg/L		0.1	SW846-8260
1,1-Dichloroethane	U	0.1	mg/L		0.1	SW846-8260
Bromodichloromethane	U	0.1	mg/L		0.1	SW846-8260
cis-1,2-Dichloroethene	U	0.1	mg/L		0.1	SW846-8260
Ethylbenzene	U	0.1	mg/L		0.1	SW846-8260
Toluene	U	0.1	mg/L		0.1	SW846-8260
Total Xylene	U	0.3	mg/L		0.3	SW846-8260
trans-1,2-Dichloroethene	U	0.1	mg/L		0.1	SW846-8260
Trichloroethene	DX	1.5	mg/L		0.02	SW846-8260

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## MW63

### GWES04-01

## Surveillance Semi-Annual Monitoring-Phase 2 - December, Event2 GWES0

### MW63SA1-04

Collected: 12/4/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.93	Inches/Hg			
Conductivity		385	umho/cm			
Depth to Water		48.12	ft			
Dissolved Oxygen		2.18	mg/L			
pH		6.24	Std Unit			
Redox		-28	mV			
Temperature		61.9	deg F			
Turbidity		10.8	NTU			
<b>METAL</b>						
Uranium	U	0.005	mg/L		0.005	ST7106-ISOT
Uranium	NU	0.001	mg/L		0.001	SW846-6020
<b>RADS</b>						
Alpha activity	U	-0.151	pCi/L	0.123	6.23	EPA-900.0
Beta activity		7.34	pCi/L	1.53	5.84	EPA-900.0
Technetium-99	U	2.89	pCi/L	11.1	15.9	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene		0.009	mg/L		0.001	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260

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MW65

GWES04-01

Surveillance Semi-Annual Monitoring-Phase 2 - December, Event2 GWES0

MW65SA1-04

Collected: 12/9/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.83	Inches/Hg			
Conductivity		205	umho/cm			
Depth to Water		47.75	ft			
Dissolved Oxygen		3.8	mg/L			
pH		6.28	Std Unit			
Redox		136	mV			
Temperature		61	deg F			
Turbidity		10.9	NTU			
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	SW846-6020
Uranium	U	0.005	mg/L		0.005	ST7106-ISOT
<b>RADS</b>						
Alpha activity	U	0.388	pCi/L	0.194	6.81	EPA-900.0
Beta activity		13.2	pCi/L	2.09	6.59	EPA-900.0
Technetium-99		27.4	pCi/L	11.6	15.4	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	UX	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	UX	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene		0.068	mg/L		0.001	SW846-8260
Vinyl chloride	JU	0.002	mg/L		0.002	SW846-8260

MW185

GWES97-01

Surveillance Quarterly Monitoring 1st Qtr FY97

6279-96

Collected: 11/12/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Conductivity		439	umho/cm			
Depth to Water		48.45	ft			
Dissolved Oxygen		1.83	mg/L			
pH		6.2	Std Unit			
Temperature		56	deg F			
<b>RADS</b>						
Alpha activity		3.7	pCi/L	0.8		RL-7122
Beta activity		489	pCi/L	18		RL-7122
Technetium-99		841	pCi/L	28		RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.5	mg/L			SW846-8260
1,1-Dichloroethane	U	0.5	mg/L			SW846-8260
Bromodichloromethane	U	0.5	mg/L			SW846-8260
Toluene	U	0.5	mg/L			SW846-8260
Total Xylene	U	1	mg/L			SW846-8260
trans-1,2-Dichloroethene	U	0.5	mg/L			SW846-8260
Trichloroethene		2.6	mg/L			SW846-8260

MW186

GWES97-01

Surveillance Quarterly Monitoring 1st Qtr FY97

6280-96

Collected: 11/12/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Conductivity		1990	umho/cm			
Depth to Water		9.71	ft			
Dissolved Oxygen		0.59	mg/L			
pH		5.8	Std Unit			
Temperature		59	deg F			
<b>RADS</b>						
Alpha activity		2.8	pCi/L	1.1		RL-7122
Beta activity		66	pCi/L	8		RL-7122
Technetium-99		38	pCi/L	12		RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.5	mg/L			SW846-8260
1,1-Dichloroethane	U	0.5	mg/L			SW846-8260
Bromodichloromethane	U	0.5	mg/L			SW846-8260
cis-1,2-Dichloroethene		1.4	mg/L			SW846-8260
Toluene	U	0.5	mg/L			SW846-8260
Total Xylene	U	1	mg/L			SW846-8260
trans-1,2-Dichloroethene	U	0.5	mg/L			SW846-8260
Trichloroethene		0.4	mg/L			SW846-8260

MW187

GWES97-01

Surveillance Quarterly Monitoring 1st Qtr FY97

6281-96

Collected: 11/12/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Conductivity		930	umho/cm			
Depth to Water		8.14	ft			
Dissolved Oxygen		0.86	mg/L			
pH		6.2	Std Unit			
Temperature		59	deg F			
<b>RADS</b>						
Alpha activity		5.6	pCi/L	2.1		RL-7122
Beta activity		10	pCi/L	2		RL-7122
Technetium-99		13	pCi/L	11		RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.05	mg/L			SW846-8260
1,1-Dichloroethane	U	0.05	mg/L			SW846-8260
Bromodichloromethane	U	0.05	mg/L			SW846-8260
cis-1,2-Dichloroethene	U	0.05	mg/L			SW846-8260
Ethylbenzene	U	0.05	mg/L			SW846-8260
Tetrachloroethene	U	0.05	mg/L			SW846-8260
Toluene	U	0.05	mg/L			SW846-8260
Total Xylene	U	0.1	mg/L			SW846-8260
trans-1,2-Dichloroethene	U	0.05	mg/L			SW846-8260
Trichloroethene		0.45	mg/L			SW846-8260



**MW63**

**GWES97-01**

**Surveillance Quarterly Monitoring 1st Qtr FY97**

**6276-96**

Collected: 11/11/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Conductivity		115	umho/cm			
Depth to Water		47.21	ft			
Dissolved Oxygen		6.1	mg/L			
pH		6.1	Std Unit			
Temperature		59	deg F			
<b>RADS</b>						
Alpha activity		15.5	pCi/L	5.3		RL-7122
Beta activity		30	pCi/L	5		RL-7122
Technetium-99		3	pCi/L	11		RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1-Dichloroethane	U	0.005	mg/L			SW846-8260
1,2-Dichloroethane	U	0.005	mg/L			SW846-8260
Benzene	U	0.005	mg/L			SW846-8260
Bromodichloromethane	U	0.005	mg/L			SW846-8260
Carbon tetrachloride	U	0.005	mg/L			SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L			SW846-8260
Ethylbenzene	U	0.005	mg/L			SW846-8260
Tetrachloroethene	U	0.005	mg/L			SW846-8260
Toluene	U	0.005	mg/L			SW846-8260
Total Xylene	U	0.01	mg/L			SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L			SW846-8260
Trichloroethene	U	0.001	mg/L			SW846-8260

**MW65  
GWES97-01  
6277-96**

**Surveillance Quarterly Monitoring 1st Qtr FY97**

Collected: 11/11/1996

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Conductivity		128	umho/cm			
Depth to Water		47.2	ft			
Dissolved Oxygen		3.02	mg/L			
pH		5.9	Std Unit			
Temperature		59	deg F			
<b>RADS</b>						
Alpha activity		-2.6	pCi/L	-1.6		RL-7122
Beta activity		7	pCi/L	1		RL-7122
Technetium-99		21	pCi/L	12		RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1-Dichloroethane	U	0.005	mg/L			SW846-8260
1,2-Dichloroethane	U	0.005	mg/L			SW846-8260
Benzene	U	0.005	mg/L			SW846-8260
Bromodichloromethane	U	0.005	mg/L			SW846-8260
Carbon tetrachloride	U	0.005	mg/L			SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L			SW846-8260
Ethylbenzene	U	0.005	mg/L			SW846-8260
Tetrachloroethene	U	0.005	mg/L			SW846-8260
Toluene	U	0.005	mg/L			SW846-8260
Total Xylene	U	0.01	mg/L			SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L			SW846-8260
Trichloroethene	U	0.001	mg/L			SW846-8260

**MW185**

**GWES97-02**

**Surveillance Quarterly Monitoring 2nd Qtr FY97**

**5133-97**

Collected: 2/6/1997

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		44.94	ft			
Dissolved Oxygen		2.04	mg/L			
pH		6.2	Std Unit			
Specific Conductivity (PIP)		453	umho/cm			
Temperature		58	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			IN7105
<b>RADS</b>						
Alpha activity		4.7	pCi/L	0.9		RL-7122
Beta activity		627	pCi/L	20		RL-7122
Technetium-99		798	pCi/L	27		RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.25	mg/L			SW846-8260
1,1-Dichloroethane	U	0.25	mg/L			SW846-8260
Bromodichloromethane	U	0.25	mg/L			SW846-8260
cis-1,2-Dichloroethene	U	0.25	mg/L			SW846-8260
Ethylbenzene	U	0.25	mg/L			SW846-8260
Toluene	U	0.25	mg/L			SW846-8260
Total Xylene	U	0.25	mg/L			SW846-8260
trans-1,2-Dichloroethene	U	0.25	mg/L			SW846-8260
Trichloroethene		2.6	mg/L			SW846-8260

MW186

GWES97-02

Surveillance Quarterly Monitoring 2nd Qtr FY97

5134-97

Collected: 2/6/1997

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		9.79	ft			
Dissolved Oxygen		0.22	mg/L			
pH		5.8	Std Unit			
Specific Conductivity (PIP)		1900	umho/cm			
Temperature		56	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			IN7105
<b>RADS</b>						
Alpha activity		0.6	pCi/L	0.2		RL-7122
Beta activity		81	pCi/L	9		RL-7122
Technetium-99		35	pCi/L	12		RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.25	mg/L			SW846-8260
1,1-Dichloroethane	U	0.25	mg/L			SW846-8260
Bromodichloromethane	U	0.25	mg/L			SW846-8260
cis-1,2-Dichloroethene		0.92	mg/L			SW846-8260
Ethylbenzene	U	0.25	mg/L			SW846-8260
Toluene	U	0.25	mg/L			SW846-8260
Total Xylene	U	0.25	mg/L			SW846-8260
trans-1,2-Dichloroethene	U	0.25	mg/L			SW846-8260
Trichloroethene		0.24	mg/L			SW846-8260
Vinyl chloride		1.1	mg/L			SW846-8260

MW187

GWES97-02

Surveillance Quarterly Monitoring 2nd Qtr FY97

5135-97

Collected: 2/6/1997

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		7.93	ft			
Dissolved Oxygen		3.2	mg/L			
pH		6.5	Std Unit			
Specific Conductivity (PIP)		901	umho/cm			
Temperature		58	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			IN7105
<b>RADS</b>						
Alpha activity		-1.1	pCi/L	-0.5		RL-7122
Beta activity		4	pCi/L	1		RL-7122
Technetium-99		0	pCi/L	0		RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.05	mg/L			SW846-8260
1,1-Dichloroethane	U	0.05	mg/L			SW846-8260
Bromodichloromethane	U	0.05	mg/L			SW846-8260
cis-1,2-Dichloroethene	U	0.05	mg/L			SW846-8260
Ethylbenzene	U	0.05	mg/L			SW846-8260
Tetrachloroethene	U	0.05	mg/L			SW846-8260
Toluene	U	0.05	mg/L			SW846-8260
Total Xylene	U	0.05	mg/L			SW846-8260
trans-1,2-Dichloroethene	U	0.05	mg/L			SW846-8260
Trichloroethene		0.26	mg/L			SW846-8260

**MW63**  
**GWES97-02**  
**5129-97**

**Surveillance Quarterly Monitoring 2nd Qtr FY97**

Collected: 2/4/1997

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		43.34	ft			
Dissolved Oxygen		8.58	mg/L			
pH		5.9	Std Unit			
Specific Conductivity (PIP)		220	umho/cm			
Temperature		59	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			IN7105
<b>RADS</b>						
Alpha activity		0.6	pCi/L	0.3		RL-7122
Beta activity		6	pCi/L	1		RL-7122
Technetium-99		8	pCi/L	11		RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1-Dichloroethane	U	0.005	mg/L			SW846-8260
1,2-Dichloroethane	U	0.005	mg/L			SW846-8260
Benzene	U	0.005	mg/L			SW846-8260
Bromodichloromethane	U	0.005	mg/L			SW846-8260
Carbon tetrachloride	U	0.005	mg/L			SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L			SW846-8260
Ethylbenzene	U	0.005	mg/L			SW846-8260
Tetrachloroethene	U	0.005	mg/L			SW846-8260
Toluene	U	0.005	mg/L			SW846-8260
Total Xylene	U	0.005	mg/L			SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L			SW846-8260
Trichloroethene	U	0.001	mg/L			SW846-8260

**MW65**  
**GWES97-02**  
**5130-97**

**Surveillance Quarterly Monitoring 2nd Qtr FY97**

Collected: 2/4/1997

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		43.37	ft			
Dissolved Oxygen		3.71	mg/L			
pH		5.8	Std Unit			
Specific Conductivity (PIP)		188	umho/cm			
Temperature		60	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			IN7105
<b>RADS</b>						
Alpha activity		-1.8	pCi/L	-1.8		RL-7122
Beta activity		5	pCi/L	1		RL-7122
Technetium-99		6	pCi/L	11		RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1-Dichloroethane	U	0.005	mg/L			SW846-8260
1,2-Dichloroethane	U	0.005	mg/L			SW846-8260
Benzene	U	0.005	mg/L			SW846-8260
Bromodichloromethane	U	0.005	mg/L			SW846-8260
Carbon tetrachloride	U	0.005	mg/L			SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L			SW846-8260
Ethylbenzene	U	0.005	mg/L			SW846-8260
Tetrachloroethene	U	0.005	mg/L			SW846-8260
Toluene	U	0.005	mg/L			SW846-8260
Total Xylene	U	0.005	mg/L			SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L			SW846-8260
Trichloroethene		0.001	mg/L			SW846-8260

**MW180**

**GWES97-03**

**Surveillance Quarterly Monitoring 3rd Qtr FY97**

**5319-97**

Collected: 5/6/1997

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		15.53	ft			
Dissolved Oxygen		2.33	mg/L			
pH		6.9	Std Unit			
Specific Conductivity (PIP)		805	umho/cm			
Temperature		61	deg F			
<b>METAL</b>						
Uranium		0.002	mg/L			IN7105
<b>RADS</b>						
Alpha activity		4.6	pCi/L	1.8		RL-7122
Beta activity		21	pCi/L	3		RL-7122
Technetium-99		40	pCi/L	13		RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1-Dichloroethane	U	0.005	mg/L			SW846-8260
1,2-Dichloroethane	U	0.005	mg/L			SW846-8260
Benzene	U	0.005	mg/L			SW846-8260
Bromodichloromethane	U	0.005	mg/L			SW846-8260
Carbon tetrachloride	U	0.005	mg/L			SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L			SW846-8260
Ethylbenzene	U	0.005	mg/L			SW846-8260
Tetrachloroethene	U	0.005	mg/L			SW846-8260
Toluene	U	0.005	mg/L			SW846-8260
Total Xylene	U	0.005	mg/L			SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L			SW846-8260
Trichloroethene	U	0.001	mg/L			SW846-8260



**MW182**  
**GWES97-03**  
**5320-97**

**Surveillance Quarterly Monitoring 3rd Qtr FY97**

Collected: 5/6/1997

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		12.93	ft			
Dissolved Oxygen		0.25	mg/L			
pH		6.4	Std Unit			
Specific Conductivity (PIP)		1401	umho/cm			
Temperature		59	deg F			
<b>METAL</b>						
Uranium		0.5	mg/L			IN7105
<b>RADS</b>						
Alpha activity		241.8	pCi/L	32.1		RL-7122
Beta activity		263	pCi/L	21		RL-7122
Technetium-99		44	pCi/L	13		RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1-Dichloroethane	U	0.005	mg/L			SW846-8260
1,2-Dichloroethane	U	0.005	mg/L			SW846-8260
Benzene	U	0.005	mg/L			SW846-8260
Bromodichloromethane	U	0.005	mg/L			SW846-8260
Carbon tetrachloride	U	0.005	mg/L			SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L			SW846-8260
Ethylbenzene	U	0.005	mg/L			SW846-8260
Tetrachloroethene	U	0.005	mg/L			SW846-8260
Toluene	U	0.005	mg/L			SW846-8260
Total Xylene	U	0.005	mg/L			SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L			SW846-8260
Trichloroethene	U	0.001	mg/L			SW846-8260

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**MW187**

**GWES97-03**

## Surveillance Quarterly Monitoring 3rd Qtr FY97

**5309-97**

Collected: 5/12/1997

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		30.5	ft			
Dissolved Oxygen		1.09	mg/L			
pH		6.2	Std Unit			
Specific Conductivity (PIP)		873	umho/cm			
Temperature		58	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			IN7105
<b>RADS</b>						
Alpha activity		0.8	pCi/L	0.3		RL-7122
Beta activity		3	pCi/L	1		RL-7122
Technetium-99		2	pCi/L	11		RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.025	mg/L			SW846-8260
1,1-Dichloroethane	U	0.025	mg/L			SW846-8260
Benzene	U	0.025	mg/L			SW846-8260
Bromodichloromethane	U	0.025	mg/L			SW846-8260
cis-1,2-Dichloroethene		0.031	mg/L			SW846-8260
Ethylbenzene	U	0.025	mg/L			SW846-8260
Tetrachloroethene	U	0.025	mg/L			SW846-8260
Toluene	U	0.025	mg/L			SW846-8260
Total Xylene	U	0.025	mg/L			SW846-8260
trans-1,2-Dichloroethene	U	0.025	mg/L			SW846-8260
Trichloroethene		0.49	mg/L			SW846-8260

**MW63**

**GWES97-03**

**Surveillance Quarterly Monitoring 3rd Qtr FY97**

**5303-97**

Collected: 5/6/1997

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		39.95	ft			
Dissolved Oxygen		9.45	mg/L			
pH		6	Std Unit			
Specific Conductivity (PIP)		247	umho/cm			
Temperature		64	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			IN7105
<b>RADS</b>						
Alpha activity		0	pCi/L	0		RL-7122
Beta activity		2	pCi/L	0		RL-7122
Technetium-99		2	pCi/L	11		RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1-Dichloroethane	U	0.005	mg/L			SW846-8260
1,2-Dichloroethane	U	0.005	mg/L			SW846-8260
Benzene	U	0.005	mg/L			SW846-8260
Bromodichloromethane	U	0.005	mg/L			SW846-8260
Carbon tetrachloride	U	0.005	mg/L			SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L			SW846-8260
Ethylbenzene	U	0.005	mg/L			SW846-8260
Tetrachloroethene	U	0.005	mg/L			SW846-8260
Toluene	U	0.005	mg/L			SW846-8260
Total Xylene	U	0.005	mg/L			SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L			SW846-8260
Trichloroethene	U	0.001	mg/L			SW846-8260

**MW65**  
**GWES97-03**  
**5304-97**

**Surveillance Quarterly Monitoring 3rd Qtr FY97**

Collected: 5/6/1997

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		39.94	ft			
Dissolved Oxygen		4.06	mg/L			
pH		5.7	Std Unit			
Specific Conductivity (PIP)		184	umho/cm			
Temperature		62	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			IN7105
<b>RADS</b>						
Alpha activity		1.6	pCi/L	0.6		RL-7122
Beta activity		24	pCi/L	3		RL-7122
Technetium-99		4	pCi/L	11		RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1-Dichloroethane	U	0.005	mg/L			SW846-8260
1,2-Dichloroethane	U	0.005	mg/L			SW846-8260
Benzene	U	0.005	mg/L			SW846-8260
Bromodichloromethane	U	0.005	mg/L			SW846-8260
Carbon tetrachloride	U	0.005	mg/L			SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L			SW846-8260
Ethylbenzene	U	0.005	mg/L			SW846-8260
Tetrachloroethene	U	0.005	mg/L			SW846-8260
Toluene	U	0.005	mg/L			SW846-8260
Total Xylene	U	0.005	mg/L			SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L			SW846-8260
Trichloroethene		0.002	mg/L			SW846-8260

MW185

GWES97-04

Surveillance Quarterly Monitoring 4th Qtr FY97

5546-97

Collected: 8/4/1997

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		43.57	ft			
Dissolved Oxygen		2.79	mg/L			
pH		6.12	Std Unit			
Specific Conductivity (PIP)		440	umho/cm			
Temperature		69.4	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			IN7105
<b>RADS</b>						
Alpha activity		4	pCi/L	0.6		RL-7122
Beta activity		648	pCi/L	18		RL-7122
Technetium-99		800	pCi/L	27		RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.25	mg/L			SW846-8260
1,1-Dichloroethane	U	0.25	mg/L			SW846-8260
Bromodichloromethane	U	0.25	mg/L			SW846-8260
cis-1,2-Dichloroethene	U	0.25	mg/L			SW846-8260
Ethylbenzene	U	0.25	mg/L			SW846-8260
Toluene	U	0.25	mg/L			SW846-8260
Total Xylene	U	0.25	mg/L			SW846-8260
trans-1,2-Dichloroethene	U	0.25	mg/L			SW846-8260
Trichloroethene		2.8	mg/L			SW846-8260

**MW186**  
**GWES97-04**  
**5547-97**

**Surveillance Quarterly Monitoring 4th Qtr FY97**

Collected: 8/4/1997

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		7.45	ft			
Dissolved Oxygen		3.6	mg/L			
pH		5.69	Std Unit			
Specific Conductivity (PIP)		1850	umho/cm			
Temperature		68.6	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			IN7105
<b>RADS</b>						
Alpha activity		1	pCi/L	0.4		RL-7122
Beta activity		49	pCi/L	6		RL-7122
Technetium-99		31	pCi/L	11		RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.25	mg/L			SW846-8260
1,1-Dichloroethane	U	0.25	mg/L			SW846-8260
Bromodichloromethane	U	0.25	mg/L			SW846-8260
cis-1,2-Dichloroethene		1.1	mg/L			SW846-8260
Ethylbenzene	U	0.25	mg/L			SW846-8260
Toluene	U	0.25	mg/L			SW846-8260
Total Xylene	U	0.25	mg/L			SW846-8260
trans-1,2-Dichloroethene	U	0.25	mg/L			SW846-8260
Trichloroethene		0.35	mg/L			SW846-8260

MW187

GWES97-04

Surveillance Quarterly Monitoring 4th Qtr FY97

5548-97

Collected: 8/4/1997

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		8.93	ft			
Dissolved Oxygen		1.5	mg/L			
pH		6.1	Std Unit			
Specific Conductivity (PIP)		910	umho/cm			
Temperature		68.4	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			IN7105
<b>RADS</b>						
Alpha activity		3.6	pCi/L	1.4		RL-7122
Beta activity		15	pCi/L	2		RL-7122
Technetium-99		21	pCi/L	11		RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.025	mg/L			SW846-8260
1,1-Dichloroethane	U	0.025	mg/L			SW846-8260
Benzene	U	0.025	mg/L			SW846-8260
Bromodichloromethane	U	0.025	mg/L			SW846-8260
cis-1,2-Dichloroethene	U	0.025	mg/L			SW846-8260
Ethylbenzene	U	0.025	mg/L			SW846-8260
Tetrachloroethene	U	0.025	mg/L			SW846-8260
Toluene	U	0.025	mg/L			SW846-8260
Total Xylene	U	0.025	mg/L			SW846-8260
trans-1,2-Dichloroethene	U	0.025	mg/L			SW846-8260
Trichloroethene		0.5	mg/L			SW846-8260

MW333

GWES97-04

Surveillance Quarterly Monitoring 4th Qtr FY97

5688-97

Collected: 9/23/1997

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		48.99	ft			
Dissolved Oxygen		2.6	mg/L			
pH		5.98	Std Unit			
Specific Conductivity (PIP)		221	umho/cm			
Temperature		61.4	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			IN7105
<b>RADS</b>						
Alpha activity		-0.2	pCi/L	-0.1		RL-7122
Beta activity		2	pCi/L	1		RL-7122
Technetium-99		6	pCi/L	11		RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1-Dichloroethane	U	0.005	mg/L			SW846-8260
1,2-Dichloroethane	U	0.005	mg/L			SW846-8260
Benzene	U	0.005	mg/L			SW846-8260
Bromodichloromethane	U	0.005	mg/L			SW846-8260
Carbon tetrachloride	U	0.005	mg/L			SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L			SW846-8260
Ethylbenzene	U	0.005	mg/L			SW846-8260
Tetrachloroethene	U	0.005	mg/L			SW846-8260
Toluene	U	0.005	mg/L			SW846-8260
Total Xylene	U	0.005	mg/L			SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L			SW846-8260
Trichloroethene		0.005	mg/L			SW846-8260



**MW337**

**GWES97-04**

**Surveillance Quarterly Monitoring 4th Qtr FY97**

**5689-97**

Collected: 9/22/1997

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		46.57	ft			
Dissolved Oxygen		5.72	mg/L			
pH		5.7	Std Unit			
Specific Conductivity (PIP)		144.2	umho/cm			
Temperature		67.5	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			IN7105
<b>RADS</b>						
Alpha activity		3.8	pCi/L	1.2		RL-7122
Beta activity		21	pCi/L	3		RL-7122
Technetium-99		26	pCi/L	12		RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1-Dichloroethane	U	0.005	mg/L			SW846-8260
1,2-Dichloroethane	U	0.005	mg/L			SW846-8260
Benzene	U	0.005	mg/L			SW846-8260
Bromodichloromethane	U	0.005	mg/L			SW846-8260
Carbon tetrachloride	U	0.005	mg/L			SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L			SW846-8260
Ethylbenzene	U	0.005	mg/L			SW846-8260
Tetrachloroethene	U	0.005	mg/L			SW846-8260
Toluene	U	0.005	mg/L			SW846-8260
Total Xylene	U	0.005	mg/L			SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L			SW846-8260
Trichloroethene		0.038	mg/L			SW846-8260

MW338

GWES97-04

Surveillance Quarterly Monitoring 4th Qtr FY97

5690-97

Collected: 9/22/1997

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		46.71	ft			
Dissolved Oxygen		7.52	mg/L			
pH		5.61	Std Unit			
Specific Conductivity (PIP)		190	umho/cm			
Temperature		67.8	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			IN7105
<b>RADS</b>						
Alpha activity		-1.1	pCi/L	-0.6		RL-7122
Beta activity		3	pCi/L	1		RL-7122
Technetium-99		8	pCi/L	11		RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1-Dichloroethane	U	0.005	mg/L			SW846-8260
1,2-Dichloroethane	U	0.005	mg/L			SW846-8260
Benzene	U	0.005	mg/L			SW846-8260
Bromodichloromethane	U	0.005	mg/L			SW846-8260
Carbon tetrachloride	U	0.005	mg/L			SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L			SW846-8260
Ethylbenzene	U	0.005	mg/L			SW846-8260
Tetrachloroethene	U	0.005	mg/L			SW846-8260
Toluene	U	0.005	mg/L			SW846-8260
Total Xylene	U	0.005	mg/L			SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L			SW846-8260
Trichloroethene	U	0.001	mg/L			SW846-8260

MW340

GWES97-04

Surveillance Quarterly Monitoring 4th Qtr FY97

5692-97

Collected: 9/23/1997

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		47.21	ft			
Dissolved Oxygen		4.48	mg/L			
pH		5.86	Std Unit			
Specific Conductivity (PIP)		454	umho/cm			
Temperature		60.8	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			IN7105
<b>RADS</b>						
Alpha activity		6.2	pCi/L	1		RL-7122
Beta activity		419	pCi/L	15		RL-7122
Technetium-99		604	pCi/L	25		RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.1	mg/L			SW846-8260
1,1-Dichloroethane	U	0.1	mg/L			SW846-8260
Bromodichloromethane	U	0.1	mg/L			SW846-8260
cis-1,2-Dichloroethene	U	0.1	mg/L			SW846-8260
Ethylbenzene	U	0.1	mg/L			SW846-8260
Toluene	U	0.1	mg/L			SW846-8260
Total Xylene	U	0.1	mg/L			SW846-8260
trans-1,2-Dichloroethene	U	0.1	mg/L			SW846-8260
Trichloroethene		0.97	mg/L			SW846-8260

**MW63**  
**GWES97-04**  
**5542-97**

**Surveillance Quarterly Monitoring 4th Qtr FY97**

Collected: 8/4/1997

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		42.63	ft			
Dissolved Oxygen		13.6	mg/L			
pH		5.92	Std Unit			
Specific Conductivity (PIP)		258	umho/cm			
Temperature		69.8	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			IN7105
<b>RADS</b>						
Alpha activity		-2	pCi/L	-1		RL-7122
Beta activity		-1	pCi/L	0		RL-7122
Technetium-99		4	pCi/L	10		RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1-Dichloroethane	U	0.005	mg/L			SW846-8260
1,2-Dichloroethane	U	0.005	mg/L			SW846-8260
Benzene	U	0.005	mg/L			SW846-8260
Bromodichloromethane	U	0.005	mg/L			SW846-8260
Carbon tetrachloride	U	0.005	mg/L			SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L			SW846-8260
Ethylbenzene	U	0.005	mg/L			SW846-8260
Tetrachloroethene	U	0.005	mg/L			SW846-8260
Toluene	U	0.005	mg/L			SW846-8260
Total Xylene	U	0.005	mg/L			SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L			SW846-8260
Trichloroethene	U	0.001	mg/L			SW846-8260

MW64

GWES97-04

Surveillance Quarterly Monitoring 4th Qtr FY97

5608-97

Collected: 7/25/1997

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		6.84	ft			
Dissolved Oxygen		1.9	mg/L			
pH		6.68	Std Unit			
Specific Conductivity (PIP)		603	umho/cm			
Temperature		67.9	deg F			
<b>VOA</b>						
Trichloroethene		0.08	mg/L			SW846-8260

**MW65**

**GWES97-04**

**Surveillance Quarterly Monitoring 4th Qtr FY97**

**5543-97**

Collected: 8/4/1997

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		42.55	ft			
Dissolved Oxygen		3.82	mg/L			
pH		5.66	Std Unit			
Specific Conductivity (PIP)		190	umho/cm			
Temperature		66.2	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			IN7105
<b>RADS</b>						
Alpha activity		-0.8	pCi/L	-0.4		RL-7122
Beta activity		6	pCi/L	1		RL-7122
Technetium-99		11	pCi/L	11		RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1-Dichloroethane	U	0.005	mg/L			SW846-8260
1,2-Dichloroethane	U	0.005	mg/L			SW846-8260
Benzene	U	0.005	mg/L			SW846-8260
Bromodichloromethane	U	0.005	mg/L			SW846-8260
Carbon tetrachloride	U	0.005	mg/L			SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L			SW846-8260
Ethylbenzene	U	0.005	mg/L			SW846-8260
Tetrachloroethene	U	0.005	mg/L			SW846-8260
Toluene	U	0.005	mg/L			SW846-8260
Total Xylene	U	0.005	mg/L			SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L			SW846-8260
Trichloroethene		0.002	mg/L			SW846-8260

MW185

GWES98-01

Surveillance Quarterly Monitoring 1st Qtr FY98

5778-97

Collected: 11/18/1997

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Uranium	U	0.001	mg/L			IN7105
<b>RADS</b>						
Alpha activity		0.3	pCi/L	0.1		RL-7122
Beta activity		599	pCi/L	16		RL-7122
Technetium-99		984	pCi/L	31		RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.25	mg/L			SW846-8260
1,1-Dichloroethane	U	0.25	mg/L			SW846-8260
Bromodichloromethane	U	0.25	mg/L			SW846-8260
cis-1,2-Dichloroethene	U	0.25	mg/L			SW846-8260
Ethylbenzene	U	0.25	mg/L			SW846-8260
Toluene	U	0.25	mg/L			SW846-8260
Total Xylene	U	0.25	mg/L			SW846-8260
trans-1,2-Dichloroethene	U	0.25	mg/L			SW846-8260
Trichloroethene		3	mg/L			SW846-8260

MW186

GWES98-01

Surveillance Quarterly Monitoring 1st Qtr FY98

5779-97

Collected: 11/18/1997

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Uranium	U	0.001	mg/L			IN7105
<b>RADS</b>						
Alpha activity		-2.7	pCi/L	-0.8		RL-7122
Beta activity		39	pCi/L	3		RL-7122
Technetium-99		26	pCi/L	14		RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.25	mg/L			SW846-8260
1,1-Dichloroethane	U	0.25	mg/L			SW846-8260
Bromodichloromethane	U	0.25	mg/L			SW846-8260
cis-1,2-Dichloroethene		1	mg/L			SW846-8260
Ethylbenzene	U	0.25	mg/L			SW846-8260
Toluene	U	0.25	mg/L			SW846-8260
Total Xylene	U	0.25	mg/L			SW846-8260
trans-1,2-Dichloroethene	U	0.25	mg/L			SW846-8260
Trichloroethene		0.29	mg/L			SW846-8260



MW187

GWES98-01

Surveillance Quarterly Monitoring 1st Qtr FY98

5780-97

Collected: 11/18/1997

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Uranium	U	0.001	mg/L			IN7105
<b>RADS</b>						
Alpha activity		-2.6	pCi/L	-1.3		RL-7122
Beta activity		29	pCi/L	3		RL-7122
Technetium-99		4	pCi/L	13		RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.05	mg/L			SW846-8260
1,1-Dichloroethane	U	0.05	mg/L			SW846-8260
Bromodichloromethane	U	0.05	mg/L			SW846-8260
cis-1,2-Dichloroethene		0.074	mg/L			SW846-8260
Ethylbenzene	U	0.05	mg/L			SW846-8260
Tetrachloroethene	U	0.05	mg/L			SW846-8260
Toluene	U	0.05	mg/L			SW846-8260
Total Xylene	U	0.05	mg/L			SW846-8260
trans-1,2-Dichloroethene	U	0.05	mg/L			SW846-8260
Trichloroethene		0.57	mg/L			SW846-8260

MW333

GWES98-01

Surveillance Quarterly Monitoring 1st Qtr FY98

5783-97

Collected: 11/19/1997

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Uranium	U	0.001	mg/L			IN7105
<b>RADS</b>						
Alpha activity		-0.7	pCi/L	-0.4		RL-7122
Beta activity		2	pCi/L	0		RL-7122
Technetium-99		-8	pCi/L	0		RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1-Dichloroethane	U	0.005	mg/L			SW846-8260
1,2-Dichloroethane	U	0.005	mg/L			SW846-8260
Benzene	U	0.005	mg/L			SW846-8260
Bromodichloromethane	U	0.005	mg/L			SW846-8260
Carbon tetrachloride	U	0.005	mg/L			SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L			SW846-8260
Ethylbenzene	U	0.005	mg/L			SW846-8260
Tetrachloroethene	U	0.005	mg/L			SW846-8260
Toluene	U	0.005	mg/L			SW846-8260
Total Xylene	U	0.005	mg/L			SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L			SW846-8260
Trichloroethene		0.006	mg/L			SW846-8260

MW337

GWES98-01

Surveillance Quarterly Monitoring 1st Qtr FY98

5784-97

Collected: 11/19/1997

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Uranium	U	0.001	mg/L			IN7105
<b>RADS</b>						
Alpha activity		0.9	pCi/L	0.4		RL-7122
Beta activity		22	pCi/L	3		RL-7122
Technetium-99		21	pCi/L	14		RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1-Dichloroethane	U	0.005	mg/L			SW846-8260
1,2-Dichloroethane	U	0.005	mg/L			SW846-8260
Benzene	U	0.005	mg/L			SW846-8260
Bromodichloromethane	U	0.005	mg/L			SW846-8260
Carbon tetrachloride	U	0.005	mg/L			SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L			SW846-8260
Ethylbenzene	U	0.005	mg/L			SW846-8260
Tetrachloroethene	U	0.005	mg/L			SW846-8260
Toluene	U	0.005	mg/L			SW846-8260
Total Xylene	U	0.005	mg/L			SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L			SW846-8260
Trichloroethene		0.041	mg/L			SW846-8260

MW338

GWES98-01

Surveillance Quarterly Monitoring 1st Qtr FY98

5785-97

Collected: 11/19/1997

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Uranium	U	0.001	mg/L			IN7105
<b>RADS</b>						
Alpha activity		0.8	pCi/L	0.4		RL-7122
Beta activity		2	pCi/L	0		RL-7122
Technetium-99		-10	pCi/L	0		RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1-Dichloroethane	U	0.005	mg/L			SW846-8260
1,2-Dichloroethane	U	0.005	mg/L			SW846-8260
Benzene	U	0.005	mg/L			SW846-8260
Bromodichloromethane	U	0.005	mg/L			SW846-8260
Carbon tetrachloride	U	0.005	mg/L			SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L			SW846-8260
Ethylbenzene	U	0.005	mg/L			SW846-8260
Tetrachloroethene	U	0.005	mg/L			SW846-8260
Toluene	U	0.005	mg/L			SW846-8260
Total Xylene	U	0.005	mg/L			SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L			SW846-8260
Trichloroethene	U	0.001	mg/L			SW846-8260

**MW339**

**GWES98-01**

**Surveillance Quarterly Monitoring 1st Qtr FY98**

**5786-97**

Collected: 11/20/1997

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		49.34	ft			

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MW340

GWES98-01

Surveillance Quarterly Monitoring 1st Qtr FY98

5787-97

Collected: 11/19/1997

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Uranium	U	0.001	mg/L			IN7105
<b>RADS</b>						
Alpha activity		0.2	pCi/L	0		RL-7122
Beta activity		364	pCi/L	13		RL-7122
Technetium-99		616	pCi/L	27		RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.1	mg/L			SW846-8260
1,1-Dichloroethane	U	0.1	mg/L			SW846-8260
Bromodichloromethane	U	0.1	mg/L			SW846-8260
cis-1,2-Dichloroethene	U	0.1	mg/L			SW846-8260
Ethylbenzene	U	0.1	mg/L			SW846-8260
Toluene	U	0.1	mg/L			SW846-8260
Total Xylene	U	0.1	mg/L			SW846-8260
trans-1,2-Dichloroethene	U	0.1	mg/L			SW846-8260
Trichloroethene		0.96	mg/L			SW846-8260

**MW63**  
**GWES98-01**  
**5774-97**

**Surveillance Quarterly Monitoring 1st Qtr FY98**

Collected: 11/17/1997

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Uranium	U	0.001	mg/L			IN7105
<b>RADS</b>						
Alpha activity		-1.9	pCi/L	-1.1		RL-7122
Beta activity		2	pCi/L	0		RL-7122
Technetium-99		9	pCi/L	14		RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1-Dichloroethane	U	0.005	mg/L			SW846-8260
1,2-Dichloroethane	U	0.005	mg/L			SW846-8260
Benzene	U	0.005	mg/L			SW846-8260
Bromodichloromethane	U	0.005	mg/L			SW846-8260
Carbon tetrachloride	U	0.005	mg/L			SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L			SW846-8260
Ethylbenzene	U	0.005	mg/L			SW846-8260
Tetrachloroethene	U	0.005	mg/L			SW846-8260
Toluene	U	0.005	mg/L			SW846-8260
Total Xylene	U	0.005	mg/L			SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L			SW846-8260
Trichloroethene	U	0.001	mg/L			SW846-8260

**MW65**

**GWES98-01**

**Surveillance Quarterly Monitoring 1st Qtr FY98**

**5775-97**

Collected: 11/17/1997

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>METAL</b>						
Uranium	U	0.001	mg/L			IN7105
<b>RADS</b>						
Alpha activity		-1.1	pCi/L	-0.5		RL-7122
Beta activity		7	pCi/L	1		RL-7122
Technetium-99		14	pCi/L	13		RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1-Dichloroethane	U	0.005	mg/L			SW846-8260
1,2-Dichloroethane	U	0.005	mg/L			SW846-8260
Benzene	U	0.005	mg/L			SW846-8260
Bromodichloromethane	U	0.005	mg/L			SW846-8260
Carbon tetrachloride	U	0.005	mg/L			SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L			SW846-8260
Ethylbenzene	U	0.005	mg/L			SW846-8260
Tetrachloroethene	U	0.005	mg/L			SW846-8260
Toluene	U	0.005	mg/L			SW846-8260
Total Xylene	U	0.005	mg/L			SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L			SW846-8260
Trichloroethene		0.002	mg/L			SW846-8260



MW185

GWES98-02

Surveillance Quarterly Monitoring 2nd Qtr FY98

5079-98

Collected: 2/4/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Conductivity		435	umho/cm			
Depth to Water		50.71	ft			
Dissolved Oxygen		2.71	mg/L			
pH		6.07	Std Unit			
Temperature		55.1	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			IN7105
<b>RADS</b>						
Alpha activity	A	-2.1	pCi/L			RL-7122
Beta activity		870	pCi/L	22		RL-7122
Technetium-99		1008	pCi/L	32		RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.25	mg/L			SW846-8260
1,1-Dichloroethane	U	0.25	mg/L			SW846-8260
Bromodichloromethane	U	0.25	mg/L			SW846-8260
cis-1,2-Dichloroethene	U	0.25	mg/L			SW846-8260
Ethylbenzene	U	0.25	mg/L			SW846-8260
Toluene	U	0.25	mg/L			SW846-8260
Total Xylene	U	0.25	mg/L			SW846-8260
trans-1,2-Dichloroethene	U	0.25	mg/L			SW846-8260
Trichloroethene		3	mg/L			SW846-8260

MW186

GWES98-02

Surveillance Quarterly Monitoring 2nd Qtr FY98

5080-98

Collected: 2/9/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>Field P</b>						
Conductivity		1830	umho/cm			
Depth to Water		9.34	ft			
Dissolved Oxygen		0.75	mg/L			
pH		5.85	Std Unit			
Temperature		54.9	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			IN7105
<b>RADS</b>						
Alpha activity	A	6.8	pCi/L			RL-7122
Beta activity		55	pCi/L	7		RL-7122
Technetium-99		31	pCi/L	13		RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.25	mg/L			SW846-8260
1,1-Dichloroethane	U	0.25	mg/L			SW846-8260
Bromodichloromethane	U	0.25	mg/L			SW846-8260
cis-1,2-Dichloroethene		0.65	mg/L			SW846-8260
Ethylbenzene	U	0.25	mg/L			SW846-8260
Toluene	U	0.25	mg/L			SW846-8260
Total Xylene	U	0.25	mg/L			SW846-8260
trans-1,2-Dichloroethene	U	0.25	mg/L			SW846-8260
Trichloroethene		0.15	mg/L			SW846-8260
Vinyl chloride		0.74	mg/L			SW846-8260

MW187

GWES98-02

Surveillance Quarterly Monitoring 2nd Qtr FY98

5081-98

Collected: 2/4/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Conductivity		904	umho/cm			
Depth to Water		8.88	ft			
Dissolved Oxygen		1.99	mg/L			
pH		6.34	Std Unit			
Temperature		56.8	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			IN7105
<b>RADS</b>						
Alpha activity	A	-2.8	pCi/L			RL-7122
Beta activity		11	pCi/L	2		RL-7122
Technetium-99	A	5	pCi/L			RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.05	mg/L			SW846-8260
1,1-Dichloroethane	U	0.05	mg/L			SW846-8260
Bromodichloromethane	U	0.05	mg/L			SW846-8260
cis-1,2-Dichloroethene	U	0.05	mg/L			SW846-8260
Ethylbenzene	U	0.05	mg/L			SW846-8260
Tetrachloroethene	U	0.05	mg/L			SW846-8260
Toluene	U	0.05	mg/L			SW846-8260
Total Xylene	U	0.05	mg/L			SW846-8260
trans-1,2-Dichloroethene	U	0.05	mg/L			SW846-8260
Trichloroethene		0.47	mg/L			SW846-8260

MW333

GWES98-02

Surveillance Quarterly Monitoring 2nd Qtr FY98

5084-98

Collected: 2/9/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>Field P</b>						
Conductivity		213	umho/cm			
Depth to Water		53.24	ft			
Dissolved Oxygen		2.32	mg/L			
pH		5.96	Std Unit			
Temperature		60.1	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			IN7105
<b>RADS</b>						
Alpha activity	A	2.3	pCi/L			RL-7122
Beta activity	A	1	pCi/L			RL-7122
Technetium-99	A	1	pCi/L			RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1-Dichloroethane	U	0.005	mg/L			SW846-8260
1,2-Dichloroethane	U	0.005	mg/L			SW846-8260
Benzene	U	0.005	mg/L			SW846-8260
Bromodichloromethane	U	0.005	mg/L			SW846-8260
Carbon tetrachloride	U	0.005	mg/L			SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L			SW846-8260
Ethylbenzene	U	0.005	mg/L			SW846-8260
Tetrachloroethene	U	0.005	mg/L			SW846-8260
Toluene	U	0.005	mg/L			SW846-8260
Total Xylene	U	0.005	mg/L			SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L			SW846-8260
Trichloroethene	U	0.008	mg/L			SW846-8260

MW337

GWES98-02

Surveillance Quarterly Monitoring 2nd Qtr FY98

5085-98

Collected: 2/9/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Conductivity		144.5	umho/cm			
Depth to Water		50.6	ft			
Dissolved Oxygen		5.9	mg/L			
pH		5.66	Std Unit			
Temperature		61	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			IN7105
<b>RADS</b>						
Alpha activity	A	1.3	pCi/L			RL-7122
Beta activity		18	pCi/L	2		RL-7122
Technetium-99		26	pCi/L	12		RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1-Dichloroethane	U	0.005	mg/L			SW846-8260
1,2-Dichloroethane	U	0.005	mg/L			SW846-8260
Benzene	U	0.005	mg/L			SW846-8260
Bromodichloromethane	U	0.005	mg/L			SW846-8260
Carbon tetrachloride	U	0.005	mg/L			SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L			SW846-8260
Ethylbenzene	U	0.005	mg/L			SW846-8260
Tetrachloroethene	U	0.005	mg/L			SW846-8260
Toluene	U	0.005	mg/L			SW846-8260
Total Xylene	U	0.005	mg/L			SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L			SW846-8260
Trichloroethene		0.048	mg/L			SW846-8260

MW338

GWES98-02

Surveillance Quarterly Monitoring 2nd Qtr FY98

5086-98

Collected: 2/9/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>Field P</b>						
Conductivity		187	umho/cm			
Depth to Water		50.95	ft			
Dissolved Oxygen		6.8	mg/L			
pH		5.55	Std Unit			
Temperature		59.6	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			IN7105
<b>RADS</b>						
Alpha activity	A	4.2	pCi/L			RL-7122
Beta activity	A	5	pCi/L			RL-7122
Technetium-99	A	0	pCi/L			RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1-Dichloroethane	U	0.005	mg/L			SW846-8260
1,2-Dichloroethane	U	0.005	mg/L			SW846-8260
Benzene	U	0.005	mg/L			SW846-8260
Bromodichloromethane	U	0.005	mg/L			SW846-8260
Carbon tetrachloride	U	0.005	mg/L			SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L			SW846-8260
Ethylbenzene	U	0.005	mg/L			SW846-8260
Tetrachloroethene	U	0.005	mg/L			SW846-8260
Toluene	U	0.005	mg/L			SW846-8260
Total Xylene	U	0.005	mg/L			SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L			SW846-8260
Trichloroethene	U	0.001	mg/L			SW846-8260

MW340

GWES98-02

Surveillance Quarterly Monitoring 2nd Qtr FY98

5088-98

Collected: 2/9/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Conductivity		454	umho/cm			
Depth to Water		51.33	ft			
Dissolved Oxygen		4.63	mg/L			
pH		5.82	Std Unit			
Temperature		58.6	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			IN7105
<b>RADS</b>						
Alpha activity	A	6	pCi/L			RL-7122
Beta activity		467	pCi/L	16		RL-7122
Technetium-99		613	pCi/L	25		RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.1	mg/L			SW846-8260
1,1-Dichloroethane	U	0.1	mg/L			SW846-8260
Bromodichloromethane	U	0.1	mg/L			SW846-8260
cis-1,2-Dichloroethene	U	0.1	mg/L			SW846-8260
Ethylbenzene	U	0.1	mg/L			SW846-8260
Toluene	U	0.1	mg/L			SW846-8260
Total Xylene	U	0.1	mg/L			SW846-8260
trans-1,2-Dichloroethene	U	0.1	mg/L			SW846-8260
Trichloroethene		0.97	mg/L			SW846-8260

**MW63**  
**GWES98-02**  
**5075-98**

**Surveillance Quarterly Monitoring 2nd Qtr FY98**

Collected: 2/4/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>Field P</b>						
Conductivity		260	umho/cm			
Depth to Water		49.52	ft			
Dissolved Oxygen		11.8	mg/L			
pH		6	Std Unit			
Temperature		57.2	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			IN7105
<b>RADS</b>						
Alpha activity	A	-2.1	pCi/L			RL-7122
Beta activity		37	pCi/L	4		RL-7122
Technetium-99	A	-1	pCi/L			RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1-Dichloroethane	U	0.005	mg/L			SW846-8260
1,2-Dichloroethane	U	0.005	mg/L			SW846-8260
Benzene	U	0.005	mg/L			SW846-8260
Bromodichloromethane	U	0.005	mg/L			SW846-8260
Carbon tetrachloride	U	0.005	mg/L			SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L			SW846-8260
Ethylbenzene	U	0.005	mg/L			SW846-8260
Tetrachloroethene	U	0.005	mg/L			SW846-8260
Toluene	U	0.005	mg/L			SW846-8260
Total Xylene	U	0.005	mg/L			SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L			SW846-8260
Trichloroethene	U	0.001	mg/L			SW846-8260



**MW65**  
**GWES98-02**  
**5076-98**

**Surveillance Quarterly Monitoring 2nd Qtr FY98**

Collected: 2/4/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>Field P</b>						
Conductivity		187	umho/cm			
Depth to Water		49.63	ft			
Dissolved Oxygen		4.57	mg/L			
pH		5.82	Std Unit			
Temperature		58.4	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			IN7105
<b>RADS</b>						
Alpha activity	A	0.9	pCi/L			RL-7122
Beta activity		11	pCi/L	2		RL-7122
Technetium-99	A	14	pCi/L			RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1-Dichloroethane	U	0.005	mg/L			SW846-8260
1,2-Dichloroethane	U	0.005	mg/L			SW846-8260
Benzene	U	0.005	mg/L			SW846-8260
Bromodichloromethane	U	0.005	mg/L			SW846-8260
Carbon tetrachloride	U	0.005	mg/L			SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L			SW846-8260
Ethylbenzene	U	0.005	mg/L			SW846-8260
Tetrachloroethene	U	0.005	mg/L			SW846-8260
Toluene	U	0.005	mg/L			SW846-8260
Total Xylene	U	0.005	mg/L			SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L			SW846-8260
Trichloroethene		0.003	mg/L			SW846-8260

MW185

GWES98-03

Surveillance Quarterly Monitoring 3rd Qtr FY98

5278-98

Collected: 5/4/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Conductivity		509	umho/cm			
Depth to Water		48.26	ft			
Dissolved Oxygen		1.49	mg/L			
pH		6.32	Std Unit			
Temperature		63.3	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			IN7105
<b>RADS</b>						
Alpha activity	A	5.5	pCi/L	0.9		EPA-900.0
Beta activity		620	pCi/L	18		EPA-900.0
Technetium-99		852.9	pCi/L	29.8		RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.5	mg/L		0.5	SW846-8260
1,1-Dichloroethane	U	0.5	mg/L		0.5	SW846-8260
Bromodichloromethane	U	0.5	mg/L		0.5	SW846-8260
Toluene	U	0.5	mg/L		0.5	SW846-8260
Total Xylene	U	0.5	mg/L		0.5	SW846-8260
trans-1,2-Dichloroethene	U	0.5	mg/L		0.5	SW846-8260
Trichloroethene		3.1	mg/L		0.1	SW846-8260

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12/18/2007

**MW186**

**GWES98-03**

## Surveillance Quarterly Monitoring 3rd Qtr FY98

**5279-98**

Collected: 5/4/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Conductivity		1760	umho/cm			
Depth to Water		7.46	ft			
Dissolved Oxygen		0.03	mg/L			
pH		5.69	Std Unit			
Temperature		59.9	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			IN7105
<b>RADS</b>						
Alpha activity	A	2.9	pCi/L	1		EPA-900.0
Beta activity		72	pCi/L	6		EPA-900.0
Technetium-99		31.3	pCi/L	13		RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.125	mg/L		0.125	SW846-8260
1,1-Dichloroethane	U	0.125	mg/L		0.125	SW846-8260
Bromodichloromethane	U	0.125	mg/L		0.125	SW846-8260
cis-1,2-Dichloroethene		0.93	mg/L		0.125	SW846-8260
Ethylbenzene	U	0.125	mg/L		0.125	SW846-8260
Toluene	U	0.125	mg/L		0.125	SW846-8260
Total Xylene	U	0.125	mg/L		0.125	SW846-8260
trans-1,2-Dichloroethene	U	0.125	mg/L		0.125	SW846-8260
Trichloroethene		0.24	mg/L		0.025	SW846-8260
Vinyl chloride		1.4	mg/L		0.125	SW846-8260

MW187

GWES98-03

Surveillance Quarterly Monitoring 3rd Qtr FY98

5280-98

Collected: 5/5/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Conductivity		864	umho/cm			
Depth to Water		7.23	ft			
Dissolved Oxygen		2.38	mg/L			
pH		6.21	Std Unit			
Temperature		59.9	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			IN7105
<b>RADS</b>						
Alpha activity	A	-1.3	pCi/L	0.5		EPA-900.0
Beta activity		38	pCi/L	4		EPA-900.0
Technetium-99		22.9	pCi/L	12.8		RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.05	mg/L		0.05	SW846-8260
1,1-Dichloroethane	U	0.05	mg/L		0.05	SW846-8260
Bromodichloromethane	U	0.05	mg/L		0.05	SW846-8260
cis-1,2-Dichloroethene	U	0.05	mg/L		0.05	SW846-8260
Ethylbenzene	U	0.05	mg/L		0.05	SW846-8260
Tetrachloroethene	U	0.05	mg/L		0.05	SW846-8260
Toluene	U	0.05	mg/L		0.05	SW846-8260
Total Xylene	U	0.05	mg/L		0.05	SW846-8260
trans-1,2-Dichloroethene	U	0.05	mg/L		0.05	SW846-8260
Trichloroethene		0.69	mg/L		0.01	SW846-8260

MW333

GWES98-03

## Surveillance Quarterly Monitoring 3rd Qtr FY98

5283-98

Collected: 5/4/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Conductivity		226	umho/cm			
Depth to Water		51.21	ft			
Dissolved Oxygen		1.05	mg/L			
pH		5.8	Std Unit			
Temperature		61.9	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			IN7105
<b>RADS</b>						
Alpha activity	A	5.1	pCi/L	1.4		EPA-900.0
Beta activity		15	pCi/L	2		EPA-900.0
Technetium-99	A	3	pCi/L	12		RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.005	mg/L		0.005	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene		0.014	mg/L		0.001	SW846-8260

MW337

GWES98-03

Surveillance Quarterly Monitoring 3rd Qtr FY98

5284-98

Collected: 5/4/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Conductivity		190	umho/cm			
Depth to Water		48.69	ft			
Dissolved Oxygen		2.83	mg/L			
pH		5.71	Std Unit			
Temperature		61.6	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			IN7105
<b>RADS</b>						
Alpha activity	A	4.4	pCi/L	1.2		EPA-900.0
Beta activity		37	pCi/L	4		EPA-900.0
Technetium-99		36.8	pCi/L	13.3		RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.005	mg/L		0.005	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene		0.034	mg/L		0.001	SW846-8260

MW338

GWES98-03

Surveillance Quarterly Monitoring 3rd Qtr FY98

5285-98

Collected: 5/4/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Conductivity		181	umho/cm			
Depth to Water		48.83	ft			
Dissolved Oxygen		3.39	mg/L			
pH		5.7	Std Unit			
Temperature		64.6	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			IN7105
<b>RADS</b>						
Alpha activity	A	0.2	pCi/L	0.1		EPA-900.0
Beta activity		12	pCi/L	2		EPA-900.0
Technetium-99	A	-0.6	pCi/L	0		RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.005	mg/L		0.005	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene		0.002	mg/L		0.001	SW846-8260

MW339

GWES98-03

Surveillance Quarterly Monitoring 3rd Qtr FY98

5286-98

Collected: 5/5/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Conductivity		510	umho/cm			
Depth to Water		48.36	ft			
Dissolved Oxygen		1.53	mg/L			
pH		5.84	Std Unit			
Temperature		66.3	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			IN7105
<b>RADS</b>						
Alpha activity		46.2	pCi/L	3.5		EPA-900.0
Beta activity		2695	pCi/L	39		EPA-900.0
Technetium-99		3732.9	pCi/L	58.6		RL-7100
<b>VOA</b>						
Bromodichloromethane	U	5	mg/L		5	SW846-8260
Total Xylene	U	5	mg/L		5	SW846-8260
Trichloroethene		24	mg/L		1	SW846-8260



MW340

GWES98-03

Surveillance Quarterly Monitoring 3rd Qtr FY98

5287-98

Collected: 5/5/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Conductivity		469	umho/cm			
Depth to Water		48.67	ft			
Dissolved Oxygen		1.42	mg/L			
pH		5.91	Std Unit			
Temperature		61.7	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			IN7105
<b>RADS</b>						
Alpha activity		11.7	pCi/L	1.9		EPA-900.0
Beta activity		449	pCi/L	15		EPA-900.0
Technetium-99		618.1	pCi/L	26.1		RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.1	mg/L		0.1	SW846-8260
1,1-Dichloroethane	U	0.1	mg/L		0.1	SW846-8260
Bromodichloromethane	U	0.1	mg/L		0.1	SW846-8260
cis-1,2-Dichloroethene	U	0.1	mg/L		0.1	SW846-8260
Ethylbenzene	U	0.1	mg/L		0.1	SW846-8260
Toluene	U	0.1	mg/L		0.1	SW846-8260
Total Xylene	U	0.1	mg/L		0.1	SW846-8260
trans-1,2-Dichloroethene	U	0.1	mg/L		0.1	SW846-8260
Trichloroethene		1.1	mg/L		0.02	SW846-8260

**MW63**

**GWES98-03**

**Surveillance Quarterly Monitoring 3rd Qtr FY98**

**5274-98**

Collected: 5/4/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Conductivity		218	umho/cm			
Depth to Water		46.88	ft			
Dissolved Oxygen		9.3	mg/L			
pH		5.97	Std Unit			
Temperature		63.1	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			IN7105
<b>RADS</b>						
Alpha activity	A	3.4	pCi/L	1		EPA-900.0
Beta activity		29	pCi/L	3		EPA-900.0
Technetium-99	A	10.2	pCi/L	12.6		RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.005	mg/L		0.005	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene		0.002	mg/L		0.001	SW846-8260

**MW65**

**GWES98-03**

**Surveillance Quarterly Monitoring 3rd Qtr FY98**

**5275-98**

Collected: 5/4/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Conductivity		191	umho/cm			
Depth to Water		46.9	ft			
Dissolved Oxygen		3.74	mg/L			
pH		5.84	Std Unit			
Temperature		61.1	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			IN7105
<b>RADS</b>						
Alpha activity	A	3.5	pCi/L	1		EPA-900.0
Beta activity		19	pCi/L	2		EPA-900.0
Technetium-99	A	17.5	pCi/L	12.8		RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.005	mg/L		0.005	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene		0.003	mg/L		0.001	SW846-8260

MW185

GWES98-04

Surveillance Quarterly Monitoring 4th Qtr FY98

5474-98

Collected: 8/10/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Conductivity		473	umho/cm			
Depth to Water		45.88	ft			
Dissolved Oxygen		2.15	mg/L			
pH		6.1	Std Unit			
Temperature		68.6	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			IN7105
<b>RADS</b>						
Alpha activity		9.7	pCi/L	1.7		EPA-900.0
Beta activity		667	pCi/L	19		EPA-900.0
Technetium-99		1003.4	pCi/L	32.2		RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.5	mg/L		0.5	SW846-8260
1,1-Dichloroethane	U	0.5	mg/L		0.5	SW846-8260
Bromodichloromethane	U	0.5	mg/L		0.5	SW846-8260
Toluene	U	0.5	mg/L		0.5	SW846-8260
Total Xylene	U	0.5	mg/L		0.5	SW846-8260
trans-1,2-Dichloroethene	U	0.5	mg/L		0.5	SW846-8260
Trichloroethene		3.1	mg/L		0.1	SW846-8260

MW186

GWES98-04

Surveillance Quarterly Monitoring 4th Qtr FY98

5475-98

Collected: 8/10/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Conductivity		1720	umho/cm			
Depth to Water		8.12	ft			
Dissolved Oxygen		0.13	mg/L			
pH		5.5	Std Unit			
Temperature		66.7	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			IN7105
<b>RADS</b>						
Alpha activity	A	-0.1	pCi/L	0		EPA-900.0
Beta activity		61	pCi/L	7		EPA-900.0
Technetium-99		28.6	pCi/L	13		RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.25	mg/L		0.25	SW846-8260
1,1-Dichloroethane	U	0.25	mg/L		0.25	SW846-8260
Bromodichloromethane	U	0.25	mg/L		0.25	SW846-8260
cis-1,2-Dichloroethene		0.69	mg/L		0.25	SW846-8260
Ethylbenzene	U	0.25	mg/L		0.25	SW846-8260
Toluene	U	0.25	mg/L		0.25	SW846-8260
Total Xylene	U	0.25	mg/L		0.25	SW846-8260
trans-1,2-Dichloroethene	U	0.25	mg/L		0.25	SW846-8260
Trichloroethene		0.23	mg/L		0.05	SW846-8260
Vinyl chloride		1.2	mg/L		0.25	SW846-8260

MW187

GWES98-04

Surveillance Quarterly Monitoring 4th Qtr FY98

5476-98

Collected: 8/5/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Conductivity		912	umho/cm			
Depth to Water		8.32	ft			
Dissolved Oxygen		1.23	mg/L			
pH		6.16	Std Unit			
Temperature		69.7	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			IN7105
<b>RADS</b>						
Alpha activity	A	-3.1	pCi/L	1.3		EPA-900.0
Beta activity		19	pCi/L	3		EPA-900.0
Technetium-99	A	-4.2	pCi/L	0		RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.05	mg/L		0.05	SW846-8260
1,1-Dichloroethane	U	0.05	mg/L		0.05	SW846-8260
Bromodichloromethane	U	0.05	mg/L		0.05	SW846-8260
cis-1,2-Dichloroethene		0.051	mg/L		0.05	SW846-8260
Ethylbenzene	U	0.05	mg/L		0.05	SW846-8260
Tetrachloroethene	U	0.05	mg/L		0.05	SW846-8260
Toluene	U	0.05	mg/L		0.05	SW846-8260
Total Xylene	U	0.05	mg/L		0.05	SW846-8260
trans-1,2-Dichloroethene	U	0.05	mg/L		0.05	SW846-8260
Trichloroethene		0.7	mg/L		0.01	SW846-8260

MW333

GWES98-04

Surveillance Quarterly Monitoring 4th Qtr FY98

5479-98

Collected: 8/10/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Conductivity		199	umho/cm			
Depth to Water		48.53	ft			
Dissolved Oxygen		1.32	mg/L			
pH		5.68	Std Unit			
Temperature		69.9	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			IN7105
<b>RADS</b>						
Alpha activity	A	4.3	pCi/L	1.3		EPA-900.0
Beta activity		6	pCi/L	1		EPA-900.0
Technetium-99	A	3.9	pCi/L	11.4		RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.005	mg/L		0.005	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene		0.016	mg/L		0.001	SW846-8260

MW337

GWES98-04

Surveillance Quarterly Monitoring 4th Qtr FY98

5480-98

Collected: 8/10/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Conductivity		138.6	umho/cm			
Depth to Water		45.95	ft			
Dissolved Oxygen		4.68	mg/L			
pH		5.4	Std Unit			
Temperature		67.9	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			IN7105
<b>RADS</b>						
Alpha activity	A	0.6	pCi/L	0.2		EPA-900.0
Beta activity		35	pCi/L	3		EPA-900.0
Technetium-99		55.1	pCi/L	13.2		RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.005	mg/L		0.005	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene		0.058	mg/L		0.001	SW846-8260



MW338

GWES98-04

Surveillance Quarterly Monitoring 4th Qtr FY98

5481-98

Collected: 8/6/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>Field P</b>						
Conductivity		183	umho/cm			
Depth to Water		46.18	ft			
Dissolved Oxygen		6.35	mg/L			
pH		5.56	Std Unit			
Temperature		69.5	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			IN7105
<b>RADS</b>						
Alpha activity	A	-1.9	pCi/L	0.9		EPA-900.0
Beta activity	A	3	pCi/L	1		EPA-900.0
Technetium-99	A	0.2	pCi/L	12.8		RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.005	mg/L		0.005	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene	U	0.001	mg/L		0.001	SW846-8260

MW339

GWES98-04

Surveillance Quarterly Monitoring 4th Qtr FY98

5482-98

Collected: 8/10/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Conductivity		505	umho/cm			
Depth to Water		46	ft			
Dissolved Oxygen		1.63	mg/L			
pH		5.8	Std Unit			
Temperature		69.7	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			IN7105
<b>RADS</b>						
Alpha activity		20.9	pCi/L	2		EPA-900.0
Beta activity		3138	pCi/L	41		EPA-900.0
Technetium-99		4149.6	pCi/L	61		RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	2.5	mg/L		2.5	SW846-8260
1,1-Dichloroethane	U	2.5	mg/L		2.5	SW846-8260
Bromodichloromethane	U	2.5	mg/L		2.5	SW846-8260
Toluene	U	2.5	mg/L		2.5	SW846-8260
Total Xylene	U	2.5	mg/L		2.5	SW846-8260
Trichloroethene		25	mg/L		0.5	SW846-8260

MW340

GWES98-04

Surveillance Quarterly Monitoring 4th Qtr FY98

5483-98

Collected: 8/10/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Conductivity		468	umho/cm			
Depth to Water		46.42	ft			
Dissolved Oxygen		3.92	mg/L			
pH		5.71	Std Unit			
Temperature		67.4	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			IN7105
<b>RADS</b>						
Alpha activity	A	7.3	pCi/L	1.5		EPA-900.0
Beta activity		427	pCi/L	15		EPA-900.0
Technetium-99		616.2	pCi/L	25.7		RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.1	mg/L		0.1	SW846-8260
1,1-Dichloroethane	U	0.1	mg/L		0.1	SW846-8260
Bromodichloromethane	U	0.1	mg/L		0.1	SW846-8260
cis-1,2-Dichloroethene	U	0.1	mg/L		0.1	SW846-8260
Ethylbenzene	U	0.1	mg/L		0.1	SW846-8260
Toluene	U	0.1	mg/L		0.1	SW846-8260
Total Xylene	U	0.1	mg/L		0.1	SW846-8260
trans-1,2-Dichloroethene	U	0.1	mg/L		0.1	SW846-8260
Trichloroethene		0.93	mg/L		0.02	SW846-8260

**MW63**

**GWES98-04**

**Surveillance Quarterly Monitoring 4th Qtr FY98**

**5470-98**

Collected: 8/6/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Conductivity		247	umho/cm			
Depth to Water		44.78	ft			
Dissolved Oxygen		8.78	mg/L			
pH		6.1	Std Unit			
Temperature		68	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L			IN7105
<b>RADS</b>						
Alpha activity	A	-0.6	pCi/L	0.2		EPA-900.0
Beta activity		14	pCi/L	2		EPA-900.0
Technetium-99	A	2.9	pCi/L	13.2		RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.005	mg/L		0.005	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene	U	0.001	mg/L		0.001	SW846-8260

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**MW65**  
**GWES98-04**  
**5471-98**

## Surveillance Quarterly Monitoring 4th Qtr FY98

Collected: 8/6/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>Field P</b>						
Conductivity		188	umho/cm			
Depth to Water		44.75	ft			
Dissolved Oxygen		3.38	mg/L			
pH		5.8	Std Unit			
Temperature		64.9	deg F			
<b>METAL</b>						
Uranium		0.001	mg/L			IN7105
<b>RADS</b>						
Alpha activity	A	4.6	pCi/L	1.3		EPA-900.0
Beta activity		22	pCi/L	3		EPA-900.0
Technetium-99		21.5	pCi/L	12.8		RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.005	mg/L		0.005	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene		0.003	mg/L		0.001	SW846-8260

MW185

GWES99-01

Surveillance Quarterly Background Monitoring

5679-98

Collected: 11/12/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		30.33	Inches/Hg			
Conductivity		441	umho/cm			
Depth to Water		49.05	ft			
Dissolved Oxygen		2.76	mg/L			
pH		6	Std Unit			
Temperature		58.7	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Alpha activity	A	-3.41	pCi/L	0.53	6.77	EPA-900.0
Beta activity		756.15	pCi/L	20.49	5.59	EPA-900.0
Technetium-99		1188.7	pCi/L	36.5	19.41	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.5	mg/L		0.5	SW846-8260
1,1-Dichloroethane	U	0.5	mg/L		0.5	SW846-8260
Bromodichloromethane	U	0.5	mg/L		0.5	SW846-8260
Toluene	U	0.5	mg/L		0.5	SW846-8260
Total Xylene	U	1	mg/L		1	SW846-8260
trans-1,2-Dichloroethene	U	0.5	mg/L		0.5	SW846-8260
Trichloroethene		3.6	mg/L		0.1	SW846-8260

MW186

GWES99-01

Surveillance Quarterly Background Monitoring

5680-98

Collected: 11/12/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		30.33	Inches/Hg			
Conductivity		1770	umho/cm			
Depth to Water		10.09	ft			
Dissolved Oxygen		0	mg/L			
pH		5.59	Std Unit			
Temperature		62.3	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Alpha activity	A	2.48	pCi/L	1.24	7.25	EPA-900.0
Beta activity		29.42	pCi/L	3.89	5.86	EPA-900.0
Technetium-99	A	7.2	pCi/L	14.9	21.96	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.5	mg/L		0.5	SW846-8260
1,1-Dichloroethane	U	0.5	mg/L		0.5	SW846-8260
Bromodichloromethane	U	0.5	mg/L		0.5	SW846-8260
cis-1,2-Dichloroethene		0.84	mg/L		0.5	SW846-8260
Toluene	U	0.5	mg/L		0.5	SW846-8260
Total Xylene	U	1	mg/L		1	SW846-8260
trans-1,2-Dichloroethene	U	0.5	mg/L		0.5	SW846-8260
Trichloroethene		0.24	mg/L		0.1	SW846-8260
Vinyl chloride	J	1.2	mg/L		0.5	SW846-8260

MW187

GWES99-01

Surveillance Quarterly Background Monitoring

5681-98

Collected: 11/10/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.59	Inches/Hg			
Conductivity		919	umho/cm			
Depth to Water		9.21	ft			
Dissolved Oxygen		1.02	mg/L			
pH		6.15	Std Unit			
Temperature		63.3	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Alpha activity	A	1.33	pCi/L	0.61	11.61	EPA-900.0
Beta activity		6.85	pCi/L	1.34	6.67	EPA-900.0
Technetium-99	A	9.5	pCi/L	13.3	19.41	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.05	mg/L		0.05	SW846-8260
1,1-Dichloroethane	U	0.05	mg/L		0.05	SW846-8260
Bromodichloromethane	U	0.05	mg/L		0.05	SW846-8260
cis-1,2-Dichloroethene		0.066	mg/L		0.05	SW846-8260
Ethylbenzene	U	0.05	mg/L		0.05	SW846-8260
Tetrachloroethene	U	0.05	mg/L		0.05	SW846-8260
Toluene	U	0.05	mg/L		0.05	SW846-8260
Total Xylene	U	0.1	mg/L		0.1	SW846-8260
trans-1,2-Dichloroethene	U	0.05	mg/L		0.05	SW846-8260
Trichloroethene		0.67	mg/L		0.01	SW846-8260



MW333

GWES99-01

Surveillance Quarterly Background Monitoring

5684-98

Collected: 11/12/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		30.39	Inches/Hg			
Conductivity		177	umho/cm			
Depth to Water		54.33	ft			
Dissolved Oxygen		1.9	mg/L			
pH		6	Std Unit			
Temperature		60.6	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Alpha activity	A	-1.37	pCi/L	0.83	5.85	EPA-900.0
Beta activity		5.36	pCi/L	1.04	4.99	EPA-900.0
Technetium-99	A	16	pCi/L	13.5	19.41	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.01	mg/L		0.01	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene		0.016	mg/L		0.001	SW846-8260

MW337

GWES99-01

Surveillance Quarterly Background Monitoring

5685-98

Collected: 11/17/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		30.03	Inches/Hg			
Conductivity		142	umho/cm			
Depth to Water		48.8	ft			
Dissolved Oxygen		5.85	mg/L			
pH		5.58	Std Unit			
Temperature		62.1	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Alpha activity		3.06	pCi/L	1.34	1.61	EPA-900.0
Beta activity		37.83	pCi/L	3.93	4.14	EPA-900.0
Technetium-99		69.2	pCi/L	15.3	19.41	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.01	mg/L		0.01	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene		0.061	mg/L		0.001	SW846-8260

MW338

GWES99-01

Surveillance Quarterly Background Monitoring

5686-98

Collected: 11/17/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		30.03	Inches/Hg			
Conductivity		191	umho/cm			
Depth to Water		49.18	ft			
Dissolved Oxygen		7.17	mg/L			
pH		5.45	Std Unit			
Temperature		63.5	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Alpha activity	A	1.15	pCi/L	0.94	1.7	EPA-900.0
Beta activity	A	2.58	pCi/L	0.62	4.32	EPA-900.0
Technetium-99	A	-9.2	pCi/L	0	21.96	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.01	mg/L		0.01	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene	U	0.001	mg/L		0.001	SW846-8260

MW339

GWES99-01

Surveillance Quarterly Background Monitoring

5687-98

Collected: 11/17/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		30.06	Inches/Hg			
Conductivity		394	umho/cm			
Depth to Water		49.03	ft			
Dissolved Oxygen		2.66	mg/L			
pH		5.7	Std Unit			
Temperature		59.5	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Alpha activity		45.6	pCi/L	3.65	2.19	EPA-900.0
Beta activity		3037.94	pCi/L	42.53	5.22	EPA-900.0
Technetium-99		5116.9	pCi/L	71.6	19.41	RL-7100
<b>VOA</b>						
Bromodichloromethane	U	5	mg/L		5	SW846-8260
Trichloroethene		24	mg/L		1	SW846-8260

MW340

GWES99-01

Surveillance Quarterly Background Monitoring

5688-98

Collected: 11/12/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		30.24	Inches/Hg			
Conductivity		473	umho/cm			
Depth to Water		49.53	ft			
Dissolved Oxygen		4.52	mg/L			
pH		5.8	Std Unit			
Temperature		60.5	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Alpha activity	A	-1.39	pCi/L	0.27	4.66	EPA-900.0
Beta activity		552.12	pCi/L	17.56	5.05	EPA-900.0
Technetium-99		650.4	pCi/L	30.2	21.96	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.1	mg/L		0.1	SW846-8260
1,1-Dichloroethane	U	0.1	mg/L		0.1	SW846-8260
Bromodichloromethane	U	0.1	mg/L		0.1	SW846-8260
cis-1,2-Dichloroethene	U	0.1	mg/L		0.1	SW846-8260
Ethylbenzene	U	0.1	mg/L		0.1	SW846-8260
Toluene	U	0.1	mg/L		0.1	SW846-8260
Total Xylene	U	0.2	mg/L		0.2	SW846-8260
trans-1,2-Dichloroethene	U	0.1	mg/L		0.1	SW846-8260
Trichloroethene		0.95	mg/L		0.02	SW846-8260

**MW63**

**GWES99-01**

**Surveillance Quarterly Background Monitoring**

**5705-98**

Collected: 11/10/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.53	Inches/Hg			
Conductivity		254	umho/cm			
Depth to Water		47.1	ft			
Dissolved Oxygen		7.04	mg/L			
pH		5.94	Std Unit			
Temperature		61.6	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Alpha activity	A	-1.96	pCi/L	1.24	6.02	EPA-900.0
Beta activity		8.51	pCi/L	1.5	5.12	EPA-900.0
Technetium-99	A	14.8	pCi/L	13.8	19.41	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.01	mg/L		0.01	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene	U	0.001	mg/L		0.001	SW846-8260

**MW65**

**GWES99-01**

**Surveillance Quarterly Background Monitoring**

**5706-98**

Collected: 11/10/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.53	Inches/Hg			
Conductivity		185	umho/cm			
Depth to Water		47.08	ft			
Dissolved Oxygen		4.27	mg/L			
pH		5.75	Std Unit			
Temperature		61.4	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Alpha activity	A	-1.67	pCi/L	1.01	5.59	EPA-900.0
Beta activity		10.51	pCi/L	1.72	4.8	EPA-900.0
Technetium-99		24.5	pCi/L	14	19.41	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.01	mg/L		0.01	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene		0.003	mg/L		0.001	SW846-8260

MW185

GWES99-02

SURVEILLANCE QUARTERLY GWES99-02

5151-99

Collected: 3/2/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.71	Inches/Hg			
Conductivity		515	umho/cm			
Depth to Water		46.4	ft			
Dissolved Oxygen		1.84	mg/L			
pH		6.4	Std Unit			
Temperature		58.9	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Alpha activity	AD	-8.97	pCi/L	2.04	3.5	EPA-900.0
Beta activity		570.57	pCi/L	19.8	6.11	EPA-900.0
Technetium-99		921.72	pCi/L	30.69	17.87	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.5	mg/L		0.5	SW846-8260
1,1-Dichloroethane	U	0.5	mg/L		0.5	SW846-8260
Bromodichloromethane	U	0.5	mg/L		0.5	SW846-8260
Toluene	U	0.5	mg/L		0.5	SW846-8260
Total Xylene	U	1	mg/L		1	SW846-8260
trans-1,2-Dichloroethene	U	0.5	mg/L		0.5	SW846-8260
Trichloroethene		3.1	mg/L		0.1	SW846-8260



MW186

GWES99-02

SURVEILLANCE QUARTERLY GWES99-02

5152-99

Collected: 3/2/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.71	Inches/Hg			
Conductivity		1760	umho/cm			
Depth to Water		7.58	ft			
Dissolved Oxygen		1	mg/L			
pH		5.9	Std Unit			
Temperature		58.1	deg F			
<b>METAL</b>						
Uranium		0.01	mg/L		0.001	IN7105
<b>RADS</b>						
Alpha activity	AD	1.61	pCi/L	0.86	6.7	EPA-900.0
Beta activity		64.06	pCi/L	7.24	8.47	EPA-900.0
Technetium-99		32.65	pCi/L	13.24	17.87	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.05	mg/L		0.05	SW846-8260
1,1-Dichloroethane	U	0.05	mg/L		0.05	SW846-8260
Bromodichloromethane	U	0.05	mg/L		0.05	SW846-8260
cis-1,2-Dichloroethene		0.65	mg/L		0.05	SW846-8260
Ethylbenzene	U	0.05	mg/L		0.05	SW846-8260
Tetrachloroethene	U	0.05	mg/L		0.05	SW846-8260
Toluene	U	0.05	mg/L		0.05	SW846-8260
Total Xylene	U	0.1	mg/L		0.1	SW846-8260
trans-1,2-Dichloroethene	U	0.05	mg/L		0.05	SW846-8260
Trichloroethene		0.15	mg/L		0.01	SW846-8260
Vinyl chloride		0.88	mg/L		0.05	SW846-8260

MW187

GWES99-02

SURVEILLANCE QUARTERLY GWES99-02

5153-99

Collected: 3/2/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.71	Inches/Hg			
Conductivity		938	umho/cm			
Depth to Water		7.38	ft			
Dissolved Oxygen		2.46	mg/L			
pH		6.4	Std Unit			
Temperature		57.3	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Alpha activity	AD	2.86	pCi/L	1.65	4.63	EPA-900.0
Beta activity		16.23	pCi/L	2.92	7.51	EPA-900.0
Technetium-99	A	-3.23	pCi/L	0	17.87	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.025	mg/L		0.025	SW846-8260
1,1-Dichloroethane	U	0.025	mg/L		0.025	SW846-8260
Benzene	U	0.025	mg/L		0.025	SW846-8260
Bromodichloromethane	U	0.025	mg/L		0.025	SW846-8260
cis-1,2-Dichloroethene	U	0.025	mg/L		0.025	SW846-8260
Ethylbenzene	U	0.025	mg/L		0.025	SW846-8260
Tetrachloroethene	U	0.025	mg/L		0.025	SW846-8260
Toluene	U	0.025	mg/L		0.025	SW846-8260
Total Xylene	U	0.05	mg/L		0.05	SW846-8260
trans-1,2-Dichloroethene	U	0.025	mg/L		0.025	SW846-8260
Trichloroethene		0.49	mg/L		0.005	SW846-8260

**MW333**

**GWES99-02**

**SURVEILLANCE QUARTERLY GWES99-02**

**5161-99**

Collected: 3/3/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.8	Inches/Hg			
Conductivity		208	umho/cm			
Depth to Water		49.74	ft			
Dissolved Oxygen		1.34	mg/L			
pH		6	Std Unit			
Temperature		59	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Alpha activity	AD	0.68	pCi/L	0.51	2.64	EPA-900.0
Beta activity	A	2.83	pCi/L	0.68	4.71	EPA-900.0
Technetium-99		19.27	pCi/L	12.7	17.87	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.01	mg/L		0.01	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene		0.03	mg/L		0.001	SW846-8260

MW337

GWES99-02

SURVEILLANCE QUARTERLY GWES99-02

5162-99

Collected: 3/3/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.85	Inches/Hg			
Conductivity		178	umho/cm			
Depth to Water		47.23	ft			
Dissolved Oxygen		3.21	mg/L			
pH		5.9	Std Unit			
Temperature		59.4	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Alpha activity	AD	1.91	pCi/L	1.1	2.44	EPA-900.0
Beta activity	A	2.49	pCi/L	0.26	4.65	EPA-900.0
Technetium-99		62.71	pCi/L	14.15	17.87	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.025	mg/L		0.025	SW846-8260
1,1-Dichloroethane	U	0.025	mg/L		0.025	SW846-8260
Benzene	U	0.025	mg/L		0.025	SW846-8260
Bromodichloromethane	U	0.025	mg/L		0.025	SW846-8260
cis-1,2-Dichloroethene	U	0.025	mg/L		0.025	SW846-8260
Ethylbenzene	U	0.025	mg/L		0.025	SW846-8260
Tetrachloroethene	U	0.025	mg/L		0.025	SW846-8260
Toluene	U	0.025	mg/L		0.025	SW846-8260
Total Xylene	U	0.05	mg/L		0.05	SW846-8260
trans-1,2-Dichloroethene	U	0.025	mg/L		0.025	SW846-8260
Trichloroethene		0.11	mg/L		0.005	SW846-8260

**MW338**

**GWES99-02**

**SURVEILLANCE QUARTERLY GWES99-02**

**5163-99**

Collected: 3/3/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.8	Inches/Hg			
Conductivity		160	umho/cm			
Depth to Water		47.47	ft			
Dissolved Oxygen		3.66	mg/L			
pH		5.9	Std Unit			
Temperature		61.9	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Alpha activity	AD	0.35	pCi/L	0.31	2.64	EPA-900.0
Beta activity	A	1.7	pCi/L	0.44	4.96	EPA-900.0
Technetium-99		19.04	pCi/L	12.95	17.87	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.01	mg/L		0.01	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene		0.005	mg/L		0.001	SW846-8260

**MW339**

**GWES99-02**

**SURVEILLANCE QUARTERLY GWES99-02**

**5164-99**

Collected: 3/4/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		30.06	Inches/Hg			
Conductivity		544	umho/cm			
Depth to Water		47.09	ft			
Dissolved Oxygen		2.07	mg/L			
pH		5.9	Std Unit			
Temperature		53.8	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Alpha activity	A	-20.43	pCi/L	2.11	4.49	EPA-900.0
Beta activity		3217.57	pCi/L	303.42	6.31	EPA-900.0
Technetium-99		4013.14	pCi/L	59.39	17.73	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	2	mg/L		2	SW846-8260
1,1-Dichloroethane	U	2	mg/L		2	SW846-8260
Bromodichloromethane	U	2	mg/L		2	SW846-8260
Toluene	U	2	mg/L		2	SW846-8260
Total Xylene	U	4	mg/L		4	SW846-8260
Trichloroethene		21	mg/L		0.4	SW846-8260

**MW340**

**GWES99-02**

**SURVEILLANCE QUARTERLY GWES99-02**

**5165-99**

Collected: 3/3/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.74	Inches/Hg			
Conductivity		475	umho/cm			
Depth to Water		47.49	ft			
Dissolved Oxygen		1.63	mg/L			
pH		5.85	Std Unit			
Temperature		60	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Alpha activity	AD	-1.34	pCi/L	0.29	3.6	EPA-900.0
Beta activity		479.92	pCi/L	18.28	6.21	EPA-900.0
Technetium-99		684.17	pCi/L	27.64	17.87	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.25	mg/L		0.25	SW846-8260
1,1-Dichloroethane	U	0.25	mg/L		0.25	SW846-8260
Bromodichloromethane	U	0.25	mg/L		0.25	SW846-8260
cis-1,2-Dichloroethene	U	0.25	mg/L		0.25	SW846-8260
Ethylbenzene	U	0.25	mg/L		0.25	SW846-8260
Toluene	U	0.25	mg/L		0.25	SW846-8260
Total Xylene	U	0.5	mg/L		0.5	SW846-8260
trans-1,2-Dichloroethene	U	0.25	mg/L		0.25	SW846-8260
Trichloroethene		0.8	mg/L		0.05	SW846-8260

**MW63**  
**GWES99-02**  
**5137-99**

**SURVEILLANCE QUARTERLY GWES99-02**

Collected: 3/1/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.77	Inches/Hg			
Conductivity		243	umho/cm			
Depth to Water		45.4	ft			
Dissolved Oxygen		5.79	mg/L			
pH		6.07	Std Unit			
Temperature		60.4	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Alpha activity	AD	1.06	pCi/L	0.71	2.78	EPA-900.0
Beta activity		8.96	pCi/L	1.72	5.17	EPA-900.0
Technetium-99	A	14.92	pCi/L	12.19	17.51	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dimethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
m,p-Xylene	U	0.01	mg/L		0.01	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.01	mg/L		0.01	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene		0.002	mg/L		0.001	SW846-8260



**MW65**

**GWES99-02**

**SURVEILLANCE QUARTERLY GWES99-02**

**5138-99**

Collected: 3/1/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.77	Inches/Hg			
Conductivity		202	umho/cm			
Depth to Water		45.31	ft			
Dissolved Oxygen		3.37	mg/L			
pH		5.92	Std Unit			
Temperature		60.1	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Alpha activity	AD	0.76	pCi/L	0.48	2.4	EPA-900.0
Beta activity		13.42	pCi/L	2.18	4.58	EPA-900.0
Technetium-99		37.11	pCi/L	13.01	17.51	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dimethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
m,p-Xylene	U	0.01	mg/L		0.01	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.01	mg/L		0.01	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene		0.006	mg/L		0.001	SW846-8260

**MW185**  
**GWES99-03**  
**5295-99**

**SURVEILLANCE QUARTERLY GWES99-03**

Collected: 6/3/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.94	Inches/Hg			
Conductivity		450	umho/cm			
Depth to Water		44.76	ft			
Dissolved Oxygen		2.75	mg/L			
pH		6.2	Std Unit			
Temperature		62.4	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Alpha activity	A	3	pCi/L	0.57	5.41	EPA-900.0
Beta activity		814.83	pCi/L	22.9	6.74	EPA-900.0
Technetium-99		1030	pCi/L	31.9	17.5	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.5	mg/L		0.5	SW846-8260
1,1-Dichloroethane	U	0.5	mg/L		0.5	SW846-8260
Bromodichloromethane	U	0.5	mg/L		0.5	SW846-8260
Toluene	U	0.5	mg/L		0.5	SW846-8260
Total Xylene	U	1.5	mg/L		1.5	SW846-8260
trans-1,2-Dichloroethene	U	0.5	mg/L		0.5	SW846-8260
Trichloroethene		3.4	mg/L		0.1	SW846-8260

MW186

GWES99-03

SURVEILLANCE QUARTERLY GWES99-03

5296-99

Collected: 6/3/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.94	Inches/Hg			
Conductivity		1670	umho/cm			
Depth to Water		7.85	ft			
Dissolved Oxygen		0.12	mg/L			
pH		5.6	Std Unit			
Temperature		62.6	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Alpha activity	A	3.92	pCi/L	1.6	7.81	EPA-900.0
Beta activity		43.41	pCi/L	5.31	9.08	EPA-900.0
Technetium-99		30.1	pCi/L	13	17.5	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.2	mg/L		0.2	SW846-8260
1,1-Dichloroethane	U	0.2	mg/L		0.2	SW846-8260
Bromodichloromethane	U	0.2	mg/L		0.2	SW846-8260
cis-1,2-Dichloroethene		0.71	mg/L		0.2	SW846-8260
Ethylbenzene	U	0.2	mg/L		0.2	SW846-8260
Toluene	U	0.2	mg/L		0.2	SW846-8260
Total Xylene	U	0.6	mg/L		0.6	SW846-8260
trans-1,2-Dichloroethene	U	0.2	mg/L		0.2	SW846-8260
Trichloroethene		0.2	mg/L		0.04	SW846-8260
Vinyl chloride		1.4	mg/L		0.2	SW846-8260

MW187

GWES99-03

SURVEILLANCE QUARTERLY GWES99-03

5297-99

Collected: 6/3/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.97	Inches/Hg			
Conductivity		894	umho/cm			
Depth to Water		8.19	ft			
Dissolved Oxygen		0.46	mg/L			
pH		6.2	Std Unit			
Temperature		64.9	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Alpha activity	A	-1.1	pCi/L	0.73	7.81	EPA-900.0
Beta activity	A	8.92	pCi/L	1.7	9.06	EPA-900.0
Technetium-99	A	1.49	pCi/L	11.6	17.5	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.05	mg/L		0.05	SW846-8260
1,1-Dichloroethane	U	0.05	mg/L		0.05	SW846-8260
Bromodichloromethane	U	0.05	mg/L		0.05	SW846-8260
cis-1,2-Dichloroethene	UX	0.05	mg/L		0.05	SW846-8260
Ethylbenzene	U	0.05	mg/L		0.05	SW846-8260
Tetrachloroethene	U	0.05	mg/L		0.05	SW846-8260
Toluene	U	0.05	mg/L		0.05	SW846-8260
Total Xylene	U	0.15	mg/L		0.15	SW846-8260
trans-1,2-Dichloroethene	U	0.05	mg/L		0.05	SW846-8260
Trichloroethene		0.69	mg/L		0.05	SW846-8260

MW333

GWES99-03

## SURVEILLANCE QUARTERLY GWES99-03

5305-99

Collected: 6/4/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.97	Inches/Hg			
Conductivity		205	umho/cm			
Depth to Water		47.35	ft			
Dissolved Oxygen		1.04	mg/L			
pH		6	Std Unit			
Temperature		65.6	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Alpha activity	A	1.23	pCi/L	0.71	2.91	EPA-900.0
Beta activity	A	0.07	pCi/L	0.02	5.2	EPA-900.0
Technetium-99	A	2.81	pCi/L	11.8	17.5	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene		0.033	mg/L		0.001	SW846-8260

**MW337**  
**GWES99-03**  
**5306-99**

**SURVEILLANCE QUARTERLY GWES99-03**

Collected: 6/4/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.94	Inches/Hg			
Conductivity		147	umho/cm			
Depth to Water		44.75	ft			
Dissolved Oxygen		3.79	mg/L			
pH		5.8	Std Unit			
Temperature		65	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Alpha activity	A	0.4	pCi/L	0.2	2.77	EPA-900.0
Beta activity		48.8	pCi/L	4.36	4.98	EPA-900.0
Technetium-99		73.5	pCi/L	14.1	17.5	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene		0.047	mg/L		0.001	SW846-8260

**MW338**  
**GWES99-03**  
**5307-99**

**SURVEILLANCE QUARTERLY GWES99-03**

Collected: 6/3/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		30.06	Inches/Hg			
Conductivity		195	umho/cm			
Depth to Water		44.97	ft			
Dissolved Oxygen		6.24	mg/L			
pH		5.59	Std Unit			
Temperature		67.5	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Alpha activity	A	0.96	pCi/L	0.6	1.89	EPA-900.0
Beta activity		19.31	pCi/L	2.62	4.7	EPA-900.0
Technetium-99	A	-0.869	pCi/L	0	17.9	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene		0.001	mg/L		0.001	SW846-8260

**MW339**  
**GWES99-03**  
**5308-99**

**SURVEILLANCE QUARTERLY GWES99-03**

Collected: 6/4/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.94	Inches/Hg			
Conductivity		499	umho/cm			
Depth to Water		44.87	ft			
Dissolved Oxygen		2.1	mg/L			
pH		5.9	Std Unit			
Temperature		65.4	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Alpha activity	A	0.7	pCi/L	0.08	4.38	EPA-900.0
Beta activity		2730.06	pCi/L	42.59	7.19	EPA-900.0
Technetium-99		3690	pCi/L	57.5	17.5	RL-7100
<b>VOA</b>						
Bromodichloromethane	U	5	mg/L		5	SW846-8260
Trichloroethene		24	mg/L		1	SW846-8260



**MW340**  
**GWES99-03**  
**5309-99**

**SURVEILLANCE QUARTERLY GWES99-03**

Collected: 6/3/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.94	Inches/Hg			
Conductivity		455	umho/cm			
Depth to Water		45.42	ft			
Dissolved Oxygen		4.29	mg/L			
pH		5.9	Std Unit			
Temperature		63.6	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Alpha activity	A	2.43	pCi/L	0.54	5.76	EPA-900.0
Beta activity		583.23	pCi/L	19.71	7.04	EPA-900.0
Technetium-99		606	pCi/L	25.7	17.5	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.2	mg/L		0.2	SW846-8260
1,1-Dichloroethane	U	0.2	mg/L		0.2	SW846-8260
Bromodichloromethane	U	0.2	mg/L		0.2	SW846-8260
cis-1,2-Dichloroethene	U	0.2	mg/L		0.2	SW846-8260
Ethylbenzene	U	0.2	mg/L		0.2	SW846-8260
Toluene	U	0.2	mg/L		0.2	SW846-8260
Total Xylene	U	0.6	mg/L		0.6	SW846-8260
trans-1,2-Dichloroethene	U	0.2	mg/L		0.2	SW846-8260
Trichloroethene		0.97	mg/L		0.04	SW846-8260

**MW63**

**GWES99-03**

**SURVEILLANCE QUARTERLY GWES99-03**

**5280-99**

Collected: 6/2/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.71	Inches/Hg			
Conductivity		249	umho/cm			
Depth to Water		43.51	ft			
Dissolved Oxygen		4.43	mg/L			
pH		6	Std Unit			
Temperature		64.4	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Alpha activity	A	-0.33	pCi/L	0.19	4.62	EPA-900.0
Beta activity		5.56	pCi/L	1.12	5.53	EPA-900.0
Technetium-99	A	5.21	pCi/L	12.1	17.9	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene		0.001	mg/L		0.001	SW846-8260

**MW65**

**GWES99-03**

**SURVEILLANCE QUARTERLY GWES99-03**

**5281-99**

Collected: 6/2/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.71	Inches/Hg			
Conductivity		186	umho/cm			
Depth to Water		43.51	ft			
Dissolved Oxygen		4.03	mg/L			
pH		5.8	Std Unit			
Temperature		63.4	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Alpha activity	A	-1.47	pCi/L	1.04	4.58	EPA-900.0
Beta activity		10.01	pCi/L	1.75	5.49	EPA-900.0
Technetium-99	A	13.3	pCi/L	12.4	17.9	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene		0.005	mg/L		0.001	SW846-8260

**MW185**  
**GWES99-04**  
**5519-99**

**SURVEILLANCE QUARTERLY GWES99-04**

Collected: 9/10/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.83	Inches/Hg			
Conductivity		410	umho/cm			
Depth to Water		47.28	ft			
Dissolved Oxygen		1.86	mg/L			
pH		6.2	Std Unit			
Temperature		61.4	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Alpha activity	A	0.18	pCi/L	0.03	5.63	EPA-900.0
Beta activity		1016.33	pCi/L	26.22	6.93	EPA-900.0
Technetium-99		1070	pCi/L	32.5	16.5	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.25	mg/L		0.25	SW846-8260
1,1-Dichloroethane	U	0.25	mg/L		0.25	SW846-8260
Bromodichloromethane	U	0.25	mg/L		0.25	SW846-8260
cis-1,2-Dichloroethene	UX	0.25	mg/L		0.25	SW846-8260
Ethylbenzene	U	0.25	mg/L		0.25	SW846-8260
Toluene	U	0.25	mg/L		0.25	SW846-8260
Total Xylene	U	0.75	mg/L		0.75	SW846-8260
trans-1,2-Dichloroethene	U	0.25	mg/L		0.25	SW846-8260
Trichloroethene		4.6	mg/L		0.05	SW846-8260

**MW186**  
**GWES99-04**  
**5520-99**

**SURVEILLANCE QUARTERLY GWES99-04**

Collected: 9/10/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.85	Inches/Hg			
Conductivity		1650	umho/cm			
Depth to Water		8.96	ft			
Dissolved Oxygen		0.26	mg/L			
pH		5.7	Std Unit			
Temperature		64.5	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Alpha activity	A	3.66	pCi/L	1.73	13.28	EPA-900.0
Beta activity		88.16	pCi/L	10.91	13.25	EPA-900.0
Technetium-99		53.6	pCi/L	13.3	16.5	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.1	mg/L		0.1	SW846-8260
1,1-Dichloroethane	U	0.1	mg/L		0.1	SW846-8260
Bromodichloromethane	U	0.1	mg/L		0.1	SW846-8260
cis-1,2-Dichloroethene		0.68	mg/L		0.1	SW846-8260
Ethylbenzene	U	0.1	mg/L		0.1	SW846-8260
Toluene	U	0.1	mg/L		0.1	SW846-8260
Total Xylene	U	0.3	mg/L		0.3	SW846-8260
trans-1,2-Dichloroethene	U	0.1	mg/L		0.1	SW846-8260
Trichloroethene		0.2	mg/L		0.02	SW846-8260
Vinyl chloride		1.2	mg/L		0.1	SW846-8260

**MW187**  
**GWES99-04**  
**5521-99**

**SURVEILLANCE QUARTERLY GWES99-04**

Collected: 9/10/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.85	Inches/Hg			
Conductivity		895	umho/cm			
Depth to Water		11.05	ft			
Dissolved Oxygen		1.12	mg/L			
pH		6.2	Std Unit			
Temperature		69.1	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Alpha activity	A	-0.67	pCi/L	0.39	8.68	EPA-900.0
Beta activity		9.07	pCi/L	1.73	8.4	EPA-900.0
Technetium-99	AX	7.45	pCi/L	11.3	16.5	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.025	mg/L		0.025	SW846-8260
1,1-Dichloroethane	U	0.025	mg/L		0.025	SW846-8260
Benzene	U	0.025	mg/L		0.025	SW846-8260
Bromodichloromethane	U	0.025	mg/L		0.025	SW846-8260
cis-1,2-Dichloroethene		0.072	mg/L		0.025	SW846-8260
Ethylbenzene	U	0.025	mg/L		0.025	SW846-8260
Tetrachloroethene	U	0.025	mg/L		0.025	SW846-8260
Toluene	U	0.025	mg/L		0.025	SW846-8260
Total Xylene	U	0.075	mg/L		0.075	SW846-8260
trans-1,2-Dichloroethene	U	0.025	mg/L		0.025	SW846-8260
Trichloroethene	X	0.75	mg/L		0.005	SW846-8260

**MW333**  
**GWES99-04**  
**5529-99**

**SURVEILLANCE QUARTERLY GWES99-04**

Collected: 9/15/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		30	Inches/Hg			
Conductivity		200	umho/cm			
Depth to Water		49.67	ft			
Dissolved Oxygen		1.37	mg/L			
pH		5.87	Std Unit			
Temperature		65.7	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Alpha activity	A	-0.79	pCi/L	0.7	3.23	EPA-900.0
Technetium-99	A	4.13	pCi/L	11.1	16.3	RL-7100

**MW337**  
**GWES99-04**  
**5530-99**

**SURVEILLANCE QUARTERLY GWES99-04**

Collected: 9/15/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		30	Inches/Hg			
Conductivity		129.3	umho/cm			
Depth to Water		47.28	ft			
Dissolved Oxygen		4.08	mg/L			
pH		5.6	Std Unit			
Temperature		63	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Alpha activity	A	0.8	pCi/L	0.33	2.97	EPA-900.0
Beta activity		48.9	pCi/L	4.42	3.6	EPA-900.0
Technetium-99		72.4	pCi/L	13.4	16.2	RL-7100



**MW338**

**GWES99-04**

**SURVEILLANCE QUARTERLY GWES99-04**

**5531-99**

Collected: 9/15/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		30	Inches/Hg			
Conductivity		184	umho/cm			
Depth to Water		47.5	ft			
Dissolved Oxygen		5.17	mg/L			
pH		5.57	Std Unit			
Temperature		66.5	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Alpha activity	A	1.1	pCi/L	0.57	3.13	EPA-900.0
Technetium-99	A	8.63	pCi/L	11.2	16.2	RL-7100

**MW339**  
**GWES99-04**  
**5532-99**

**SURVEILLANCE QUARTERLY GWES99-04**

Collected: 9/15/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		30	Inches/Hg			
Conductivity		474	umho/cm			
Depth to Water		47.55	ft			
Dissolved Oxygen		3.98	mg/L			
pH		5.8	Std Unit			
Temperature		64.8	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Alpha activity	A	-24.57	pCi/L	2.53	4.62	EPA-900.0
Beta activity		3159.09	pCi/L	46.12	5.53	EPA-900.0
Technetium-99		3430	pCi/L	54.5	16.2	RL-7100

**MW340**  
**GWES99-04**  
**5533-99**

**SURVEILLANCE QUARTERLY GWES99-04**

Collected: 9/15/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		30	Inches/Hg			
Conductivity		488	umho/cm			
Depth to Water		47.84	ft			
Dissolved Oxygen		4.26	mg/L			
pH		5.9	Std Unit			
Temperature		65.4	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Alpha activity	A	-4.09	pCi/L	0.96	4.61	EPA-900.0
Beta activity		542	pCi/L	18.97	5.53	EPA-900.0
Technetium-99		728	pCi/L	26.9	16.2	RL-7100

**MW63**  
**GWES99-04**  
**5504-99**

**SURVEILLANCE QUARTERLY GWES99-04**

Collected: 9/13/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.97	Inches/Hg			
Conductivity		247	umho/cm			
Depth to Water		46.44	ft			
Dissolved Oxygen		6.22	mg/L			
pH		6.1	Std Unit			
Temperature		67.9	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Alpha activity	A	0.8	pCi/L	0.45	3.48	EPA-900.0
Technetium-99	A	14.7	pCi/L	11.6	16.5	RL-7100

**MW65**  
**GWES99-04**  
**5505-99**

**SURVEILLANCE QUARTERLY GWES99-04**

Collected: 9/13/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.97	Inches/Hg			
Conductivity		176	umho/cm			
Depth to Water		46.57	ft			
Dissolved Oxygen		4.23	mg/L			
pH		5.8	Std Unit			
Temperature		64.5	deg F			
<b>METAL</b>						
Uranium	U	0.001	mg/L		0.001	IN7105
<b>RADS</b>						
Alpha activity	A	0.8	pCi/L	0.41	3.32	EPA-900.0
Beta activity		14.34	pCi/L	2.27	4.01	EPA-900.0
Technetium-99		18.9	pCi/L	11.8	16.5	RL-7100

**MW180**

**GWES99-12**

**SURVEILLANCE ANNUAL MONITORING 4TH QUARTER**

**5406-99**

Collected: 8/9/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.83	Inches/Hg			
Conductivity		826	umho/cm			
Depth to Water		16.2	ft			
Dissolved Oxygen		0.9	mg/L			
pH		6.8	Std Unit			
Temperature		66.8	deg F			
<b>METAL</b>						
Uranium		0.002	mg/L		0.001	IN7105
<b>RADS</b>						
Alpha activity	A	1.83	pCi/L	0.94	6.62	EPA-900.0
Beta activity		44.67	pCi/L	5.35	8.81	EPA-900.0
Technetium-99		28	pCi/L	12.2	16.5	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
Benzene	UY	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	UY	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene	Y	0.002	mg/L		0.001	SW846-8260

MW182

GWES99-12

SURVEILLANCE ANNUAL MONITORING 4TH QUARTER

5405-99

Collected: 8/9/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.85	Inches/Hg			
Conductivity		1159	umho/cm			
Depth to Water		16.05	ft			
Dissolved Oxygen		0.81	mg/L			
pH		6.5	Std Unit			
Temperature		68.6	deg F			
<b>METAL</b>						
Uranium		0.21	mg/L		0.001	IN7105
<b>RADS</b>						
Alpha activity		92.25	pCi/L	12.08	6.57	EPA-900.0
Beta activity		249.53	pCi/L	14.15	8.79	EPA-900.0
Technetium-99		19.2	pCi/L	11.7	16.5	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
Benzene	UY	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	UY	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene	UY	0.001	mg/L		0.001	SW846-8260

**MW245**

**GWSP03-01**

**Special Sampling for TCE at NENW Plume wells GWSP03-01**

**MW245G11-02**

Collected: 11/12/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.65	Inches/Hg			
Conductivity		258	umho/cm			
Depth to Water		45.35	ft			
Dissolved Oxygen		2.2	mg/L			
pH		6.24	Std Unit			
Temperature		61	deg F			

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**MW65**

**GWSP03-01**

**Special Sampling for TCE at NENW Plume wells GWSP03-01**

**MW65G11-02**

Collected: 11/12/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.94	Inches/Hg			
Conductivity		195	umho/cm			
Depth to Water		48.86	ft			
Dissolved Oxygen		4.53	mg/L			
pH		5.9	Std Unit			
Temperature		60.4	deg F			

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**MW66**

**GWSP03-01**

**Special Sampling for TCE at NENW Plume wells GWSP03-01**

**MW66G11-02**

Collected: 11/12/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.94	Inches/Hg			
Conductivity		179	umho/cm			
Depth to Water		47.54	ft			
Dissolved Oxygen		7.5	mg/L			
pH		5.9	Std Unit			
Temperature		59.7	deg F			

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**MW187**  
**RSCH-GW1**  
**5378-97**

**Natural Attenuation Project**

Collected: 5/12/1997

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Dissolved Organic Carbon		4	mg/L			DNT
<b>Field P</b>						
Depth to Water		30.5	ft			
Dissolved Oxygen		1.09	mg/L			
pH		6.2	Std Unit			
Specific Conductivity (PIP)		873	umho/cm			
Temperature		58	deg F			
<b>RADS</b>						
Technetium-99	U	9.4	pCi/L			TC99
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.025	mg/L			SW846-8260
1,1-Dichloroethane	U	0.025	mg/L			SW846-8260
Benzene	U	0.025	mg/L			SW846-8260
Bromodichloromethane	U	0.025	mg/L			SW846-8260
Chloroethane	U	0.025	mg/L			SW846-8260
cis-1,2-Dichloroethene		0.084	mg/L		0.001	SW846-8010 M
cis-1,2-Dichloroethene		0.031	mg/L			SW846-8260
Ethane	U	0.03	mg/L			GA-34
Ethylbenzene	U	0.025	mg/L			SW846-8260
Ethylene	U	0.03	mg/L			GA-34
Tetrachloroethene	U	0.025	mg/L			SW846-8260
Toluene	U	0.025	mg/L			SW846-8260
Total Xylene	U	0.025	mg/L			SW846-8260
trans-1,2-Dichloroethene	U	0.025	mg/L			SW846-8260
Trichloroethene		0.49	mg/L			SW846-8260
Vinyl chloride	U	0.003	mg/L		0.003	SW846-8010 M

**MW66**  
**RSCH-GW1**  
**5370-97**

**Natural Attenuation Project**

Collected: 5/12/1997

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Dissolved Organic Carbon	U	1	mg/L			DNT
<b>Field P</b>						
Depth to Water		37.96	ft			
Dissolved Oxygen		6.96	mg/L			
pH		5.7	Std Unit			
Specific Conductivity (PIP)		381	umho/cm			
Temperature		59	deg F			
<b>RADS</b>						
Alpha activity	U	620	pCi/L			RL-7119
Beta activity		1360	pCi/L			RL-7119
Technetium-99		2481	pCi/L			TC99
<b>VOA</b>						
1,1,1-Trichloroethane	U	1.25	mg/L			SW846-8260
1,1-Dichloroethane	U	1.25	mg/L			SW846-8260
Bromodichloromethane	U	1.25	mg/L			SW846-8260
cis-1,2-Dichloroethene		0.0226	mg/L		0.001	SW846-8010 M
Ethane	U	0.03	mg/L			GA-34
Ethylene	U	0.03	mg/L			GA-34
Toluene	U	1.25	mg/L			SW846-8260
Total Xylene	U	1.25	mg/L			SW846-8260
Trichloroethene		13	mg/L			SW846-8260
Vinyl chloride	U	0.003	mg/L		0.003	SW846-8010 M

MW179

SG00-01

C-746 S&T QUARTERLY-OCTOBER SG00-01

MW179SG1-00

Collected: 10/12/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		34.1	mg/L		2	SW846-9056
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		30.12	Inches/Hg			
Conductivity		604	umho/cm			
Depth to Water		34.43	ft			
Dissolved Oxygen		3.79	mg/L			
pH		6	Std Unit			
Temperature		65.3	deg F			
<b>METAL</b>						
Barium	BU	0.05	mg/L		0.05	SW846-6010A
Beryllium	BU	0.01	mg/L		0.01	SW846-6010A
Cadmium	UW	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.05	mg/L		0.05	SW846-6010A
Cobalt	U	0.01	mg/L		0.01	SW846-6010A
Copper	U	0.05	mg/L		0.05	SW846-6010A
Iron		0.266	mg/L		0.2	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel	BU	0.05	mg/L		0.05	SW846-6010A
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Silver	BU	0.05	mg/L		0.05	SW846-6010A
Sodium		47.5	mg/L		2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.05	mg/L		0.05	SW846-6010A
Zinc	BU	0.2	mg/L		0.2	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		401	mg/L		100	EPA-160.2
<b>RADS</b>						
Alpha activity	A	0.07	pCi/L	0.04	6.03	EPA-900.0
Beta activity	A	4.12	pCi/L	0.85	8.1	EPA-900.0
Technetium-99	A	9.67	pCi/L	11.2	16.1	RL-7100
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260

## MW179

## SG00-01

## C-746 S&amp;T QUARTERLY-OCTOBER SG00-01

Acetone	JU	0.01 mg/L	0.01	SW846-8260
Acrolein	JU	0.01 mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01 mg/L	0.01	SW846-8260
Benzene	UY	0.005 mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromoform	U	0.005 mg/L	0.005	SW846-8260
Bromomethane	JU	0.005 mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005 mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	0.005	SW846-8260
Chlorobenzene	JU	0.005 mg/L	0.005	SW846-8260
Chloroethane	JU	0.005 mg/L	0.005	SW846-8260
Chloromethane	U	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Dibromomethane	U	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005 mg/L	0.005	SW846-8260
Ethyl methacrylate	JU	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	JU	0.005 mg/L	0.005	SW846-8260
Methylene chloride	JU	0.01 mg/L	0.01	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	JU	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.01 mg/L	0.01	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	Y	0.006 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01 mg/L	0.01	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	JU	25 mg/L	25	EPA-410.4 1978
Total Organic Carbon (TOC)	JU	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	BU	0.05 mg/L	0.05	SW846-9020B
Turbidity	J	1.9 NTU	0.5	EPA-180.1 1978

MW181

SG00-01

C-746 S&T QUARTERLY-OCTOBER SG00-01

MW181SG1-00

Collected: 10/12/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		55.6	mg/L		2	SW846-9056
Nitrate as Nitrogen		1.1	mg/L		1	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		30.15	Inches/Hg			
Conductivity		481	umho/cm			
Depth to Water		46.15	ft			
Dissolved Oxygen		4.59	mg/L			
pH		5.9	Std Unit			
Temperature		62.7	deg F			
<b>METAL</b>						
Barium		0.348	mg/L		0.05	SW846-6010A
Beryllium	BU	0.01	mg/L		0.01	SW846-6010A
Cadmium	UW	0.005	mg/L		0.005	SW846-7131
Chromium		1.16	mg/L		0.05	SW846-6010A
Cobalt		0.026	mg/L		0.01	SW846-6010A
Copper	U	0.05	mg/L		0.05	SW846-6010A
Iron		31.5	mg/L		0.2	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel		0.653	mg/L		0.05	SW846-6010A
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Silver	BU	0.05	mg/L		0.05	SW846-6010A
Sodium		45.8	mg/L		2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.05	mg/L		0.05	SW846-6010A
Zinc	BU	0.2	mg/L		0.2	SW846-6010A
<b>METAL-D</b>						
Barium		0.161	mg/L		0.05	SW846-6010A
Chromium	BU	0.05	mg/L		0.05	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		279	mg/L		100	EPA-160.2
<b>RADS</b>						
Alpha activity	A	1.55	pCi/L	0.57	5.33	EPA-900.0
Beta activity		152.6	pCi/L	10.03	7.59	EPA-900.0
Technetium-99		130	pCi/L	14.9	16.1	RL-7100
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260

**MW181****SG00-01****C-746 S&T QUARTERLY-OCTOBER SG00-01**

2-Chloroethyl vinyl ether	JU	0.01 mg/L	0.01	SW846-8260
2-Hexanone	U	0.01 mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01 mg/L	0.01	SW846-8260
Acetone	JU	0.01 mg/L	0.01	SW846-8260
Acrolein	JU	0.01 mg/L	0.01	SW846-8260
Acrylonitrile	JU	0.01 mg/L	0.01	SW846-8260
Benzene	UY	0.005 mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromoform	U	0.005 mg/L	0.005	SW846-8260
Bromomethane	JU	0.005 mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005 mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	0.005	SW846-8260
Chlorobenzene	UY	0.005 mg/L	0.005	SW846-8260
Chloroethane	JU	0.005 mg/L	0.005	SW846-8260
Chloromethane	U	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Dibromomethane	U	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005 mg/L	0.005	SW846-8260
Ethyl methacrylate	U	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	JU	0.005 mg/L	0.005	SW846-8260
Methylene chloride	JU	0.01 mg/L	0.01	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	UY	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.01 mg/L	0.01	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	UY	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01 mg/L	0.01	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	JU	25 mg/L	25	EPA-410.4 1978
Total Organic Carbon (TOC)	J	1.3 mg/L	1	SW846-9060
Total Organic Halides (TOX)	BU	0.05 mg/L	0.05	SW846-9020B
Turbidity		320 NTU	0.5	EPA-180.1 1978



## MW220

## SG00-01

## C-746 S&amp;T QUARTERLY-OCTOBER SG00-01

## MW220SG1-00

Collected: 10/12/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		37.4	mg/L		2	SW846-9056
Nitrate as Nitrogen		1.4	mg/L		1	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.97	Inches/Hg			
Conductivity		391	umho/cm			
Depth to Water		56.38	ft			
Dissolved Oxygen		7.3	mg/L			
pH		6.21	Std Unit			
Temperature		62.9	deg F			
<b>METAL</b>						
Barium		0.205	mg/L		0.05	SW846-6010A
Beryllium	BU	0.01	mg/L		0.01	SW846-6010A
Cadmium	UW	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.05	mg/L		0.05	SW846-6010A
Cobalt	U	0.01	mg/L		0.01	SW846-6010A
Copper	U	0.05	mg/L		0.05	SW846-6010A
Iron	U	0.2	mg/L		0.2	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel	B	0.252	mg/L		0.05	SW846-6010A
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Silver	BU	0.05	mg/L		0.05	SW846-6010A
Sodium		38.1	mg/L		2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.05	mg/L		0.05	SW846-6010A
Zinc	BU	0.2	mg/L		0.2	SW846-6010A
<b>METAL-D</b>						
Barium		0.206	mg/L		0.05	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		199	mg/L		100	EPA-160.2
<b>RADS</b>						
Alpha activity	A	1.56	pCi/L	0.76	4.46	EPA-900.0
Beta activity		16.31	pCi/L	2.45	6.67	EPA-900.0
Technetium-99	A	8.93	pCi/L	11.2	16.1	RL-7100
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L		0.01	SW846-8260

**MW220****SG00-01****C-746 S&T QUARTERLY-OCTOBER SG00-01**

2-Hexanone	U	0.01 mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01 mg/L	0.01	SW846-8260
Acetone	JU	0.01 mg/L	0.01	SW846-8260
Acrolein	JU	0.01 mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01 mg/L	0.01	SW846-8260
Benzene	UY	0.005 mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromoform	U	0.005 mg/L	0.005	SW846-8260
Bromomethane	JU	0.005 mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005 mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	0.005	SW846-8260
Chlorobenzene	UY	0.005 mg/L	0.005	SW846-8260
Chloroethane	JU	0.005 mg/L	0.005	SW846-8260
Chloromethane	U	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Dibromomethane	U	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005 mg/L	0.005	SW846-8260
Ethyl methacrylate	U	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	JU	0.005 mg/L	0.005	SW846-8260
Methylene chloride	JU	0.01 mg/L	0.01	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	UY	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.01 mg/L	0.01	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	UY	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01 mg/L	0.01	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	JU	25 mg/L	25	EPA-410.4 1978
Total Organic Carbon (TOC)		1.2 mg/L	1	SW846-9060
Total Organic Halides (TOX)	BU	0.05 mg/L	0.05	SW846-9020B
Turbidity		2.1 NTU	0.5	EPA-180.1 1978

MW221

SG00-01

C-746 S&amp;T QUARTERLY-OCTOBER SG00-01

MW221SG1-00

Collected: 10/12/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		47.4	mg/L		2	SW846-9056
Nitrate as Nitrogen		1.6	mg/L		1	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.97	Inches/Hg			
Conductivity		417	umho/cm			
Depth to Water		66.14	ft			
Dissolved Oxygen		5.32	mg/L			
pH		6.08	Std Unit			
Temperature		65.3	deg F			
<b>METAL</b>						
Barium		0.248	mg/L		0.05	SW846-6010A
Beryllium	BU	0.01	mg/L		0.01	SW846-6010A
Cadmium	UW	0.005	mg/L		0.005	SW846-7131
Chromium		0.082	mg/L		0.05	SW846-6010A
Cobalt	U	0.01	mg/L		0.01	SW846-6010A
Copper	U	0.05	mg/L		0.05	SW846-6010A
Iron		0.803	mg/L		0.2	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel	B	0.115	mg/L		0.05	SW846-6010A
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Silver	BU	0.05	mg/L		0.05	SW846-6010A
Sodium		44.9	mg/L		2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.05	mg/L		0.05	SW846-6010A
Zinc	BU	0.2	mg/L		0.2	SW846-6010A
<b>METAL-D</b>						
Barium		0.245	mg/L		0.05	SW846-6010A
Chromium	BU	0.05	mg/L		0.05	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		234	mg/L		100	EPA-160.2
<b>RADS</b>						
Alpha activity	A	1.06	pCi/L	0.56	4.78	EPA-900.0
Beta activity		9.78	pCi/L	1.7	7.06	EPA-900.0
Technetium-99	A	0.525	pCi/L	11.1	16.1	RL-7100
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260

**MW221****SG00-01****C-746 S&T QUARTERLY-OCTOBER SG00-01**

2-Chloroethyl vinyl ether	JU	0.01 mg/L	0.01	SW846-8260
2-Hexanone	U	0.01 mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01 mg/L	0.01	SW846-8260
Acetone	JU	0.01 mg/L	0.01	SW846-8260
Acrolein	JU	0.01 mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01 mg/L	0.01	SW846-8260
Benzene	UY	0.005 mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromoform	U	0.005 mg/L	0.005	SW846-8260
Bromomethane	JU	0.005 mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005 mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	0.005	SW846-8260
Chlorobenzene	UY	0.005 mg/L	0.005	SW846-8260
Chloroethane	JU	0.005 mg/L	0.005	SW846-8260
Chloromethane	U	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Dibromomethane	U	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005 mg/L	0.005	SW846-8260
Ethyl methacrylate	JU	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	JU	0.005 mg/L	0.005	SW846-8260
Methylene chloride	JU	0.01 mg/L	0.01	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	UY	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.01 mg/L	0.01	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	Y	0.003 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01 mg/L	0.01	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	JU	25 mg/L	25	EPA-410.4 1978
Total Organic Carbon (TOC)		1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	BU	0.05 mg/L	0.05	SW846-9020B
Turbidity	J	3.5 NTU	0.5	EPA-180.1 1978

## MW222

## SG00-01

## C-746 S&amp;T QUARTERLY-OCTOBER SG00-01

## MW222SG1-00

Collected: 10/13/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		33.9	mg/L		2	SW846-9056
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.64	Inches/Hg			
Conductivity		355	umho/cm			
Depth to Water		70.06	ft			
Dissolved Oxygen		1.23	mg/L			
pH		6.06	Std Unit			
Temperature		64.2	deg F			
<b>METAL</b>						
Barium		0.257	mg/L		0.05	SW846-6010A
Beryllium	BU	0.01	mg/L		0.01	SW846-6010A
Cadmium	UW	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.05	mg/L		0.05	SW846-6010A
Cobalt	U	0.01	mg/L		0.01	SW846-6010A
Copper	U	0.05	mg/L		0.05	SW846-6010A
Iron		0.923	mg/L		0.2	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel	B	0.091	mg/L		0.05	SW846-6010A
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Silver	BU	0.05	mg/L		0.05	SW846-6010A
Sodium		50.5	mg/L		2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.05	mg/L		0.05	SW846-6010A
Zinc	BU	0.2	mg/L		0.2	SW846-6010A
<b>METAL-D</b>						
Barium		0.254	mg/L		0.05	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		220	mg/L		100	EPA-160.2
<b>RADS</b>						
Alpha activity	A	-1.6	pCi/L	1.6	4.76	EPA-900.0
Beta activity		7.06	pCi/L	1.31	7.03	EPA-900.0
Technetium-99	A	2.63	pCi/L	10.9	16.1	RL-7100
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L		0.01	SW846-8260

**MW222****SG00-01****C-746 S&T QUARTERLY-OCTOBER SG00-01**

2-Hexanone	U	0.01 mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01 mg/L	0.01	SW846-8260
Acetone	JU	0.01 mg/L	0.01	SW846-8260
Acrolein	U	0.01 mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01 mg/L	0.01	SW846-8260
Benzene	UY	0.005 mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromoform	U	0.005 mg/L	0.005	SW846-8260
Bromomethane	JU	0.005 mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005 mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	0.005	SW846-8260
Chlorobenzene	UY	0.005 mg/L	0.005	SW846-8260
Chloroethane	JU	0.005 mg/L	0.005	SW846-8260
Chloromethane	U	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Dibromomethane	U	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005 mg/L	0.005	SW846-8260
Ethyl methacrylate	JU	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	JU	0.005 mg/L	0.005	SW846-8260
Methylene chloride	JU	0.01 mg/L	0.01	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	UY	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.01 mg/L	0.01	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01 mg/L	0.01	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	JU	25 mg/L	25	EPA-410.4 1978
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.05 mg/L	0.05	SW846-9020B
Turbidity		7.8 NTU	0.5	EPA-180.1 1978

MW223

SG00-01

C-746 S&T QUARTERLY-OCTOBER SG00-01

MW223SG1-00

Collected: 10/13/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		40	mg/L		2	SW846-9056
Nitrate as Nitrogen		2.1	mg/L		1	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.64	Inches/Hg			
Conductivity		378	umho/cm			
Depth to Water		69.35	ft			
Dissolved Oxygen		4.85	mg/L			
pH		6.16	Std Unit			
Temperature		62.7	deg F			
<b>METAL</b>						
Barium		0.164	mg/L		0.05	SW846-6010A
Beryllium	BU	0.01	mg/L		0.01	SW846-6010A
Cadmium	UW	0.005	mg/L		0.005	SW846-7131
Chromium		0.074	mg/L		0.05	SW846-6010A
Cobalt	U	0.01	mg/L		0.01	SW846-6010A
Copper	U	0.05	mg/L		0.05	SW846-6010A
Iron		0.487	mg/L		0.2	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel	B	0.438	mg/L		0.05	SW846-6010A
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Silver	BU	0.05	mg/L		0.05	SW846-6010A
Sodium		44.5	mg/L		2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.05	mg/L		0.05	SW846-6010A
Zinc	BU	0.2	mg/L		0.2	SW846-6010A
<b>METAL-D</b>						
Barium		0.159	mg/L		0.05	SW846-6010A
Chromium	BU	0.05	mg/L		0.05	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		218	mg/L		100	EPA-160.2
<b>RADS</b>						
Alpha activity	A	0.69	pCi/L	0.38	4.71	EPA-900.0
Beta activity		10.17	pCi/L	1.75	6.98	EPA-900.0
Technetium-99	A	7.62	pCi/L	11.1	16.1	RL-7100
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260

**MW223****SG00-01****C-746 S&T QUARTERLY-OCTOBER SG00-01**

2-Chloroethyl vinyl ether	JU	0.01 mg/L	0.01	SW846-8260
2-Hexanone	U	0.01 mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01 mg/L	0.01	SW846-8260
Acetone	JU	0.01 mg/L	0.01	SW846-8260
Acrolein	U	0.01 mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01 mg/L	0.01	SW846-8260
Benzene	UY	0.005 mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromoform	U	0.005 mg/L	0.005	SW846-8260
Bromomethane	JU	0.005 mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005 mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	0.005	SW846-8260
Chlorobenzene	UY	0.005 mg/L	0.005	SW846-8260
Chloroethane	JU	0.005 mg/L	0.005	SW846-8260
Chloromethane	U	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Dibromomethane	U	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005 mg/L	0.005	SW846-8260
Ethyl methacrylate	JU	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	JU	0.005 mg/L	0.005	SW846-8260
Methylene chloride	JU	0.01 mg/L	0.01	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	UY	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.01 mg/L	0.01	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01 mg/L	0.01	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	JU	25 mg/L	25	EPA-410.4 1978
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.05 mg/L	0.05	SW846-9020B
Turbidity	J	4.7 NTU	0.5	EPA-180.1 1978



## MW224

## SG00-01

## C-746 S&amp;T QUARTERLY-OCTOBER SG00-01

## MW224SG1-00

Collected: 10/13/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		34.2	mg/L		2	SW846-9056
Nitrate as Nitrogen		1.2	mg/L		1	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.64	Inches/Hg			
Conductivity		468	umho/cm			
Depth to Water		70.52	ft			
Dissolved Oxygen		2.55	mg/L			
pH		6	Std Unit			
Temperature		64.9	deg F			
<b>METAL</b>						
Barium		0.236	mg/L		0.05	SW846-6010A
Beryllium	BU	0.01	mg/L		0.01	SW846-6010A
Cadmium	*BNU	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.05	mg/L		0.05	SW846-6010A
Cobalt	U	0.01	mg/L		0.01	SW846-6010A
Copper	U	0.05	mg/L		0.05	SW846-6010A
Iron	U	0.2	mg/L		0.2	SW846-6010A
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Silver	*BNU	0.05	mg/L		0.05	SW846-6010A
Sodium	N	64.2	mg/L		2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.05	mg/L		0.05	SW846-6010A
Zinc	BU	0.2	mg/L		0.2	SW846-6010A
<b>METAL-D</b>						
Barium		0.234	mg/L		0.05	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		284	mg/L		100	EPA-160.2
<b>RADS</b>						
Alpha activity	A	0.57	pCi/L	0.34	5.7	EPA-900.0
Beta activity	A	1.23	pCi/L	0.27	7.88	EPA-900.0
Technetium-99	A	-0.0525	pCi/L	0	16.1	RL-7100
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L		0.01	SW846-8260

**MW224****SG00-01****C-746 S&T QUARTERLY-OCTOBER SG00-01**

2-Hexanone	U	0.01 mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01 mg/L	0.01	SW846-8260
Acetone	JU	0.01 mg/L	0.01	SW846-8260
Acrolein	U	0.01 mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01 mg/L	0.01	SW846-8260
Benzene	UY	0.005 mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromoform	U	0.005 mg/L	0.005	SW846-8260
Bromomethane	JU	0.005 mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005 mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	0.005	SW846-8260
Chlorobenzene	UY	0.005 mg/L	0.005	SW846-8260
Chloroethane	JU	0.005 mg/L	0.005	SW846-8260
Chloromethane	U	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Dibromomethane	U	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005 mg/L	0.005	SW846-8260
Ethyl methacrylate	JU	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	JU	0.005 mg/L	0.005	SW846-8260
Methylene chloride	JU	0.01 mg/L	0.01	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	UY	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.01 mg/L	0.01	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene		0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01 mg/L	0.01	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	JU	25 mg/L	25	EPA-410.4 1978
Total Organic Carbon (TOC)		1.1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.05 mg/L	0.05	SW846-9020B
Turbidity	JU	0.5 NTU	0.5	EPA-180.1 1978

MW263

SG00-01

C-746 S&T QUARTERLY-OCTOBER SG00-01

MW263SG1-00

Collected: 10/12/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		41.7	mg/L		2	SW846-9056
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		30.12	Inches/Hg			
Conductivity		541	umho/cm			
Depth to Water		35.25	ft			
Dissolved Oxygen		1.95	mg/L			
pH		6.1	Std Unit			
Temperature		65.2	deg F			
<b>METAL</b>						
Barium		0.065	mg/L		0.05	SW846-6010A
Beryllium	BU	0.01	mg/L		0.01	SW846-6010A
Cadmium	UW	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.05	mg/L		0.05	SW846-6010A
Cobalt	U	0.01	mg/L		0.01	SW846-6010A
Copper	U	0.05	mg/L		0.05	SW846-6010A
Iron	U	0.2	mg/L		0.2	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel	BU	0.05	mg/L		0.05	SW846-6010A
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Silver	BU	0.05	mg/L		0.05	SW846-6010A
Sodium		50.8	mg/L		2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.05	mg/L		0.05	SW846-6010A
Zinc	BU	0.2	mg/L		0.2	SW846-6010A
<b>METAL-D</b>						
Barium		0.062	mg/L		0.05	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		327	mg/L		100	EPA-160.2
<b>RADS</b>						
Alpha activity	A	2.65	pCi/L	1.13	5.58	EPA-900.0
Beta activity		45.33	pCi/L	5.07	7.8	EPA-900.0
Technetium-99		48.3	pCi/L	12.5	16.1	RL-7100
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L		0.01	SW846-8260

**MW263****SG00-01****C-746 S&T QUARTERLY-OCTOBER SG00-01**

2-Hexanone	U	0.01 mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01 mg/L	0.01	SW846-8260
Acetone	JU	0.01 mg/L	0.01	SW846-8260
Acrolein	JU	0.01 mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01 mg/L	0.01	SW846-8260
Benzene	UY	0.005 mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromoform	U	0.005 mg/L	0.005	SW846-8260
Bromomethane	JU	0.005 mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005 mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	0.005	SW846-8260
Chlorobenzene	JU	0.005 mg/L	0.005	SW846-8260
Chloroethane	JU	0.005 mg/L	0.005	SW846-8260
Chloromethane	U	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Dibromomethane	U	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005 mg/L	0.005	SW846-8260
Ethyl methacrylate	JU	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	JU	0.005 mg/L	0.005	SW846-8260
Methylene chloride	JU	0.01 mg/L	0.01	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	JU	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.01 mg/L	0.01	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	Y	0.011 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01 mg/L	0.01	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	JU	25 mg/L	25	EPA-410.4 1978
Total Organic Carbon (TOC)	J	1.2 mg/L	1	SW846-9060
Total Organic Halides (TOX)	BU	0.05 mg/L	0.05	SW846-9020B
Turbidity	J	0.9 NTU	0.5	EPA-180.1 1978

## MW263

## SG00-01

## C-746 S&amp;T QUARTERLY-OCTOBER SG00-01

## MW263DSG1-00

Collected: 10/12/1999

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		41.9	mg/L		2	SW846-9056
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		30.12	Inches/Hg			
Conductivity		541	umho/cm			
Depth to Water		35.25	ft			
Dissolved Oxygen		1.95	mg/L			
pH		6.1	Std Unit			
Temperature		65.2	deg F			
<b>METAL</b>						
Barium		0.064	mg/L		0.05	SW846-6010A
Beryllium	BU	0.01	mg/L		0.01	SW846-6010A
Cadmium	UW	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.05	mg/L		0.05	SW846-6010A
Cobalt	U	0.01	mg/L		0.01	SW846-6010A
Copper	U	0.05	mg/L		0.05	SW846-6010A
Iron	U	0.2	mg/L		0.2	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel	BU	0.05	mg/L		0.05	SW846-6010A
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Silver	BU	0.05	mg/L		0.05	SW846-6010A
Sodium		50.3	mg/L		2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.05	mg/L		0.05	SW846-6010A
Zinc	BU	0.2	mg/L		0.2	SW846-6010A
<b>METAL-D</b>						
Barium		0.065	mg/L		0.05	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		326	mg/L		100	EPA-160.2
<b>RADS</b>						
Alpha activity	A	3.01	pCi/L	1.25	5.43	EPA-900.0
Beta activity		43.54	pCi/L	4.92	7.68	EPA-900.0
Technetium-99		46.5	pCi/L	12.6	16.1	RL-7100
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L		0.01	SW846-8260

**MW263****SG00-01****C-746 S&T QUARTERLY-OCTOBER SG00-01**

2-Hexanone	U	0.01 mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01 mg/L	0.01	SW846-8260
Acetone	JU	0.01 mg/L	0.01	SW846-8260
Acrolein	JU	0.01 mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01 mg/L	0.01	SW846-8260
Benzene	UY	0.005 mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromoform	U	0.005 mg/L	0.005	SW846-8260
Bromomethane	JU	0.005 mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005 mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	0.005	SW846-8260
Chlorobenzene	UY	0.005 mg/L	0.005	SW846-8260
Chloroethane	JU	0.005 mg/L	0.005	SW846-8260
Chloromethane	U	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Dibromomethane	U	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005 mg/L	0.005	SW846-8260
Ethyl methacrylate	JU	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	JU	0.005 mg/L	0.005	SW846-8260
Methylene chloride	JU	0.01 mg/L	0.01	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	UY	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.01 mg/L	0.01	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	Y	0.011 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01 mg/L	0.01	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	JU	25 mg/L	25	EPA-410.4 1978
Total Organic Carbon (TOC)	JU	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	BU	0.05 mg/L	0.05	SW846-9020B
Turbidity	J	0.7 NTU	0.5	EPA-180.1 1978

## MW264

## SG00-01

## C-746 S&amp;T QUARTERLY-OCTOBER SG00-01

## MW264SG1-00

Collected: 10/12/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		44.3	mg/L		2	SW846-9056
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		30.15	Inches/Hg			
Conductivity		556	umho/cm			
Depth to Water		40.67	ft			
Dissolved Oxygen		1.35	mg/L			
pH		6.31	Std Unit			
Temperature		63.5	deg F			
<b>METAL</b>						
Barium		0.185	mg/L		0.05	SW846-6010A
Beryllium	BU	0.01	mg/L		0.01	SW846-6010A
Cadmium	UW	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.05	mg/L		0.05	SW846-6010A
Cobalt	U	0.01	mg/L		0.01	SW846-6010A
Copper	U	0.05	mg/L		0.05	SW846-6010A
Iron		0.309	mg/L		0.2	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel	BU	0.05	mg/L		0.05	SW846-6010A
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Silver	BU	0.05	mg/L		0.05	SW846-6010A
Sodium		47.2	mg/L		2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.05	mg/L		0.05	SW846-6010A
Zinc	BU	0.2	mg/L		0.2	SW846-6010A
<b>METAL-D</b>						
Barium		0.183	mg/L		0.05	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		281	mg/L		100	EPA-160.2
<b>RADS</b>						
Alpha activity	A	3.48	pCi/L	1.52	5.25	EPA-900.0
Beta activity		8.62	pCi/L	1.56	7.52	EPA-900.0
Technetium-99	A	11.6	pCi/L	11.4	16.1	RL-7100
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L		0.01	SW846-8260

**MW264****SG00-01****C-746 S&T QUARTERLY-OCTOBER SG00-01**

2-Hexanone	U	0.01 mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01 mg/L	0.01	SW846-8260
Acetone	JU	0.01 mg/L	0.01	SW846-8260
Acrolein	JU	0.01 mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01 mg/L	0.01	SW846-8260
Benzene	UY	0.005 mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromoform	U	0.005 mg/L	0.005	SW846-8260
Bromomethane	JU	0.005 mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005 mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	0.005	SW846-8260
Chlorobenzene	UY	0.005 mg/L	0.005	SW846-8260
Chloroethane	JU	0.005 mg/L	0.005	SW846-8260
Chloromethane	U	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Dibromomethane	U	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005 mg/L	0.005	SW846-8260
Ethyl methacrylate	JU	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	JU	0.005 mg/L	0.005	SW846-8260
Methylene chloride	JU	0.01 mg/L	0.01	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	UY	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.01 mg/L	0.01	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	Y	0.003 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01 mg/L	0.01	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	JU	25 mg/L	25	EPA-410.4 1978
Total Organic Carbon (TOC)		1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.05 mg/L	0.05	SW846-9020B
Turbidity		3.2 NTU	0.5	EPA-180.1 1978



MW265

SG00-01

C-746 S&T QUARTERLY-OCTOBER SG00-01

MW265SG1-00

Collected: 10/12/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		33.8	mg/L		2	SW846-9056
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.97	Inches/Hg			
Conductivity		354	umho/cm			
Depth to Water		43.85	ft			
Dissolved Oxygen		2.66	mg/L			
pH		6.22	Std Unit			
Temperature		63.3	deg F			
<b>METAL</b>						
Barium		0.231	mg/L		0.05	SW846-6010A
Beryllium	BU	0.01	mg/L		0.01	SW846-6010A
Cadmium	UW	0.005	mg/L		0.005	SW846-7131
Chromium		1.86	mg/L		0.05	SW846-6010A
Cobalt	U	0.01	mg/L		0.01	SW846-6010A
Copper	U	0.05	mg/L		0.05	SW846-6010A
Iron		10.3	mg/L		0.2	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel	B	0.14	mg/L		0.05	SW846-6010A
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Silver	BU	0.05	mg/L		0.05	SW846-6010A
Sodium		39.5	mg/L		2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.05	mg/L		0.05	SW846-6010A
Zinc	BU	0.2	mg/L		0.2	SW846-6010A
<b>METAL-D</b>						
Barium		0.229	mg/L		0.05	SW846-6010A
Chromium	BU	0.05	mg/L		0.05	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids	*	193	mg/L		100	EPA-160.2
<b>RADS</b>						
Alpha activity	A	2.22	pCi/L	1.05	4.57	EPA-900.0
Beta activity		7.51	pCi/L	1.37	6.8	EPA-900.0
Technetium-99	A	0.788	pCi/L	11.1	16.1	RL-7100
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260

**MW265****SG00-01****C-746 S&T QUARTERLY-OCTOBER SG00-01**

2-Chloroethyl vinyl ether	JU	0.01 mg/L	0.01	SW846-8260
2-Hexanone	U	0.01 mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01 mg/L	0.01	SW846-8260
Acetone	JU	0.01 mg/L	0.01	SW846-8260
Acrolein	JU	0.01 mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01 mg/L	0.01	SW846-8260
Benzene	UY	0.005 mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromoform	U	0.005 mg/L	0.005	SW846-8260
Bromomethane	JU	0.005 mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005 mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	0.005	SW846-8260
Chlorobenzene	UY	0.005 mg/L	0.005	SW846-8260
Chloroethane	JU	0.005 mg/L	0.005	SW846-8260
Chloromethane	U	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Dibromomethane	U	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005 mg/L	0.005	SW846-8260
Ethyl methacrylate	JU	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	JU	0.005 mg/L	0.005	SW846-8260
Methylene chloride	JU	0.01 mg/L	0.01	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	UY	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.01 mg/L	0.01	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	Y	0.003 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01 mg/L	0.01	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	JU	25 mg/L	25	EPA-410.4 1978
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	BU	0.05 mg/L	0.05	SW846-9020B
Turbidity		50 NTU	0.5	EPA-180.1 1978

## MW266

## SG00-01

## C-746 S&amp;T QUARTERLY-OCTOBER SG00-01

## MW266SG1-00

Collected: 10/12/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		37.6	mg/L		2	SW846-9056
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		30.15	Inches/Hg			
Conductivity		432	umho/cm			
Depth to Water		40.2	ft			
Dissolved Oxygen		2.36	mg/L			
pH		6.03	Std Unit			
Temperature		62.9	deg F			
<b>METAL</b>						
Barium	BU	0.05	mg/L		0.05	SW846-6010A
Beryllium	BU	0.01	mg/L		0.01	SW846-6010A
Cadmium	UW	0.005	mg/L		0.005	SW846-7131
Chromium		0.766	mg/L		0.05	SW846-6010A
Cobalt	U	0.01	mg/L		0.01	SW846-6010A
Copper	U	0.05	mg/L		0.05	SW846-6010A
Iron		4.08	mg/L		0.2	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel	BU	0.05	mg/L		0.05	SW846-6010A
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Silver	BU	0.05	mg/L		0.05	SW846-6010A
Sodium		29	mg/L		2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.05	mg/L		0.05	SW846-6010A
Zinc	BU	0.2	mg/L		0.2	SW846-6010A
<b>METAL-D</b>						
Chromium	BU	0.05	mg/L		0.05	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		225	mg/L		100	EPA-160.2
<b>RADS</b>						
Alpha activity	A	1.64	pCi/L	0.82	4.53	EPA-900.0
Beta activity	A	4.59	pCi/L	0.91	6.75	EPA-900.0
Technetium-99	A	7.56	pCi/L	11.2	16.1	RL-7100
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L		0.01	SW846-8260

**MW266****SG00-01****C-746 S&T QUARTERLY-OCTOBER SG00-01**

2-Hexanone	U	0.01 mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01 mg/L	0.01	SW846-8260
Acetone	JU	0.01 mg/L	0.01	SW846-8260
Acrolein	JU	0.01 mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01 mg/L	0.01	SW846-8260
Benzene	UY	0.005 mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromoform	U	0.005 mg/L	0.005	SW846-8260
Bromomethane	JU	0.005 mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005 mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	0.005	SW846-8260
Chlorobenzene	UY	0.005 mg/L	0.005	SW846-8260
Chloroethane	JU	0.005 mg/L	0.005	SW846-8260
Chloromethane	U	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Dibromomethane	U	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005 mg/L	0.005	SW846-8260
Ethyl methacrylate	JU	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	JU	0.005 mg/L	0.005	SW846-8260
Methylene chloride	JU	0.01 mg/L	0.01	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	UY	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.01 mg/L	0.01	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	Y	0.003 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01 mg/L	0.01	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	JU	25 mg/L	25	EPA-410.4 1978
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	BU	0.05 mg/L	0.05	SW846-9020B
Turbidity		31 NTU	0.5	EPA-180.1 1978

**MW267**

**SG00-01**

**C-746 S&T QUARTERLY-OCTOBER SG00-01**

**MW267SG1-00**

Collected: 10/12/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		51.8	mg/L		2	SW846-9056
Nitrate as Nitrogen		2.3	mg/L		1	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.97	Inches/Hg			
Conductivity		369	umho/cm			
Depth to Water		55.48	ft			
Dissolved Oxygen		5.51	mg/L			
pH		5.97	Std Unit			
Temperature		62.5	deg F			
<b>METAL</b>						
Barium		0.223	mg/L		0.05	SW846-6010A
Beryllium	BU	0.01	mg/L		0.01	SW846-6010A
Cadmium	UW	0.005	mg/L		0.005	SW846-7131
Chromium		0.219	mg/L		0.05	SW846-6010A
Cobalt	U	0.01	mg/L		0.01	SW846-6010A
Copper	U	0.05	mg/L		0.05	SW846-6010A
Iron		1.22	mg/L		0.2	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel	B	0.065	mg/L		0.05	SW846-6010A
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Silver	BU	0.05	mg/L		0.05	SW846-6010A
Sodium		38.8	mg/L		2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.05	mg/L		0.05	SW846-6010A
Zinc	BU	0.2	mg/L		0.2	SW846-6010A
<b>METAL-D</b>						
Barium		0.214	mg/L		0.05	SW846-6010A
Chromium	BU	0.05	mg/L		0.05	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		204	mg/L		100	EPA-160.2
<b>RADS</b>						
Alpha activity	A	3.25	pCi/L	1.35	4.24	EPA-900.0
Beta activity		8.09	pCi/L	1.44	6.36	EPA-900.0
Technetium-99	A	8.72	pCi/L	11.1	16.1	RL-7100
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260

**MW267****SG00-01****C-746 S&T QUARTERLY-OCTOBER SG00-01**

2-Chloroethyl vinyl ether	JU	0.01 mg/L	0.01	SW846-8260
2-Hexanone	U	0.01 mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01 mg/L	0.01	SW846-8260
Acetone	JU	0.01 mg/L	0.01	SW846-8260
Acrolein	JU	0.01 mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01 mg/L	0.01	SW846-8260
Benzene	UY	0.005 mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromoform	U	0.005 mg/L	0.005	SW846-8260
Bromomethane	JU	0.005 mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005 mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	0.005	SW846-8260
Chlorobenzene	UY	0.005 mg/L	0.005	SW846-8260
Chloroethane	JU	0.005 mg/L	0.005	SW846-8260
Chloromethane	U	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Dibromomethane	U	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005 mg/L	0.005	SW846-8260
Ethyl methacrylate	JU	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	JU	0.005 mg/L	0.005	SW846-8260
Methylene chloride	JU	0.01 mg/L	0.01	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	UY	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.01 mg/L	0.01	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	UY	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01 mg/L	0.01	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	JU	25 mg/L	25	EPA-410.4 1978
Total Organic Carbon (TOC)		1.2 mg/L	1	SW846-9060
Total Organic Halides (TOX)	BU	0.05 mg/L	0.05	SW846-9020B
Turbidity		4 NTU	0.5	EPA-180.1 1978

**MW179**

**SG00-02**

**C-746 S&T QUARTERLY-JANUARY SG00-02**

**MW179SG2-00**

Collected: 1/6/2000

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		34.1	mg/L		2	SW846-9056
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.9	Inches/Hg			
Conductivity		865	umho/cm			
Depth to Water		37.1	ft			
Dissolved Oxygen		2.14	mg/L			
pH		6.08	Std Unit			
Temperature		60	deg F			
<b>METAL</b>						
Barium	U	0.05	mg/L		0.05	SW846-6010A
Beryllium	U	0.01	mg/L		0.01	SW846-6010A
Cadmium	BUW	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.05	mg/L		0.05	SW846-6010A
Cobalt	BU	0.01	mg/L		0.01	SW846-6010A
Copper	BU	0.05	mg/L		0.05	SW846-6010A
Iron	N	0.496	mg/L		0.2	SW846-6010A
Mercury	UW	0.0002	mg/L		0.0002	SW846-7470
Nickel	BU	0.05	mg/L		0.05	SW846-6010A
Selenium	NU	0.005	mg/L		0.005	SW846-7740
Silver	BU	0.05	mg/L		0.05	SW846-6010A
Sodium	N	61.5	mg/L		2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.05	mg/L		0.05	SW846-6010A
Zinc	B	0.215	mg/L		0.2	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		583	mg/L		100	EPA-160.2
<b>RADS</b>						
Alpha activity	U	1.42	pCi/L	1.07	5.05	EPA-900.0
Beta activity	U	6.01	pCi/L	1.22	9.26	EPA-900.0
Technetium-99	U	-1.85	pCi/L	0	16.3	RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260

**MW179****SG00-02****C-746 S&T QUARTERLY-JANUARY SG00-02**

Acetone	U	0.01 mg/L	0.01	SW846-8260
Acrolein	JU	0.01 mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01 mg/L	0.01	SW846-8260
Benzene	U	0.005 mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromoform	U	0.005 mg/L	0.005	SW846-8260
Bromomethane	U	0.005 mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005 mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005 mg/L	0.005	SW846-8260
Chloroethane	U	0.005 mg/L	0.005	SW846-8260
Chloromethane	U	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Dibromomethane	U	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005 mg/L	0.005	SW846-8260
Ethyl methacrylate	JU	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	JU	0.005 mg/L	0.005	SW846-8260
Methylene chloride	U	0.01 mg/L	0.01	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene		0.006 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01 mg/L	0.01	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Total Organic Carbon (TOC)	U	1.5 mg/L	1.5	SW846-9060
Turbidity		0.95 NTU	0.5	EPA-180.1 1978



MW181

SG00-02

C-746 S&amp;T QUARTERLY-JANUARY SG00-02

MW181SG2-00

Collected: 1/5/2000

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		66.8	mg/L		2	SW846-9056
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		30.32	Inches/Hg			
Conductivity		548	umho/cm			
Depth to Water		48.87	ft			
Dissolved Oxygen		3.77	mg/L			
pH		5.9	Std Unit			
Temperature		59.3	deg F			
<b>METAL</b>						
Barium		0.252	mg/L		0.05	SW846-6010A
Beryllium	BU	0.01	mg/L		0.01	SW846-6010A
Cadmium	BUW	0.005	mg/L		0.005	SW846-7131
Chromium		0.362	mg/L		0.05	SW846-6010A
Cobalt		0.02	mg/L		0.01	SW846-6010A
Copper	BU	0.05	mg/L		0.05	SW846-6010A
Iron		15.3	mg/L		0.2	SW846-6010A
Mercury	UW	0.0002	mg/L		0.0002	SW846-7470
Nickel		0.728	mg/L		0.05	SW846-6010A
Selenium	NU	0.005	mg/L		0.005	SW846-7740
Silver	BU	0.05	mg/L		0.05	SW846-6010A
Sodium	N	51.4	mg/L		2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.05	mg/L		0.05	SW846-6010A
Zinc	BU	0.2	mg/L		0.2	SW846-6010A
<b>METAL-D</b>						
Barium		0.168	mg/L		0.05	SW846-6010A
Chromium	U	0.05	mg/L		0.05	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		312	mg/L		100	EPA-160.2
<b>RADS</b>						
Alpha activity	U	-0.3	pCi/L	0.12	4	EPA-900.0
Beta activity		192.07	pCi/L	11.95	8.3	EPA-900.0
Technetium-99		198	pCi/L	16.8	16.3	RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260

**MW181****SG00-02****C-746 S&T QUARTERLY-JANUARY SG00-02**

2-Butanone	U	0.01 mg/L	0.01	SW846-8260
2-Hexanone	JU	0.01 mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01 mg/L	0.01	SW846-8260
Acetone	U	0.01 mg/L	0.01	SW846-8260
Acrolein	JU	0.01 mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01 mg/L	0.01	SW846-8260
Benzene	U	0.005 mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromoform	U	0.005 mg/L	0.005	SW846-8260
Bromomethane	U	0.005 mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005 mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005 mg/L	0.005	SW846-8260
Chloroethane	U	0.005 mg/L	0.005	SW846-8260
Chloromethane	U	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	JU	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Dibromomethane	U	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005 mg/L	0.005	SW846-8260
Ethyl methacrylate	JU	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	JU	0.005 mg/L	0.005	SW846-8260
Methylene chloride	U	0.01 mg/L	0.01	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01 mg/L	0.01	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Total Organic Carbon (TOC)	U	1.5 mg/L	1.5	SW846-9060
Turbidity		200 NTU	0.5	EPA-180.1 1978

Paducah-OREIS Data Report

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12/18/2007

MW220

SG00-02

C-746 S&T QUARTERLY-JANUARY SG00-02

MW220SG2-00

Collected: 1/4/2000

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		40.3	mg/L		2	SW846-9056
Nitrate as Nitrogen		1.5	mg/L		1	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		30.06	Inches/Hg			
Conductivity		368	umho/cm			
Depth to Water		58.88	ft			
Dissolved Oxygen		5	mg/L			
pH		6	Std Unit			
Temperature		57	deg F			
<b>METAL</b>						
Barium		0.224	mg/L		0.05	SW846-6010A
Beryllium	BU	0.01	mg/L		0.01	SW846-6010A
Cadmium	BUW	0.005	mg/L		0.005	SW846-7131
Chromium		0.079	mg/L		0.05	SW846-6010A
Cobalt	U	0.01	mg/L		0.01	SW846-6010A
Copper	BU	0.05	mg/L		0.05	SW846-6010A
Iron		3.4	mg/L		0.2	SW846-6010A
Mercury	UW	0.0002	mg/L		0.0002	SW846-7470
Nickel		0.271	mg/L		0.05	SW846-6010A
Selenium	NU	0.005	mg/L		0.005	SW846-7740
Silver	BU	0.05	mg/L		0.05	SW846-6010A
Sodium	N	39.2	mg/L		2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.05	mg/L		0.05	SW846-6010A
Zinc	BU	0.2	mg/L		0.2	SW846-6010A
<b>METAL-D</b>						
Barium		0.202	mg/L		0.05	SW846-6010A
Chromium	U	0.05	mg/L		0.05	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		228	mg/L		100	EPA-160.2
<b>RADS</b>						
Alpha activity	U	2.75	pCi/L	1.53	3.51	EPA-900.0
Beta activity		9.71	pCi/L	1.75	7.65	EPA-900.0
Technetium-99	U	2.16	pCi/L	11.2	16.3	RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260

**MW220****SG00-02****C-746 S&T QUARTERLY-JANUARY SG00-02**

2-Butanone	U	0.01 mg/L	0.01	SW846-8260
2-Chloroethyl vinyl ether	U	0.01 mg/L	0.01	SW846-8260
2-Hexanone	U	0.01 mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01 mg/L	0.01	SW846-8260
Acetone	U	0.01 mg/L	0.01	SW846-8260
Acrolein	JU	0.01 mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01 mg/L	0.01	SW846-8260
Benzene	U	0.005 mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromoform	U	0.005 mg/L	0.005	SW846-8260
Bromomethane	U	0.005 mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005 mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005 mg/L	0.005	SW846-8260
Chloroethane	U	0.005 mg/L	0.005	SW846-8260
Chloromethane	U	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	JU	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Dibromomethane	U	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005 mg/L	0.005	SW846-8260
Ethyl methacrylate	JU	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	U	0.005 mg/L	0.005	SW846-8260
Methylene chloride	U	0.01 mg/L	0.01	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01 mg/L	0.01	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Total Organic Carbon (TOC)	JU	1.2 mg/L	1.2	SW846-9060
Turbidity		45 NTU	0.5	EPA-180.1 1978

Paducah-OREIS Data Report

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MW221

SG00-02

C-746 S&T QUARTERLY-JANUARY SG00-02

MW221SG2-00

Collected: 1/5/2000

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		49.4	mg/L		2	SW846-9056
Nitrate as Nitrogen		1.7	mg/L		1	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		30.33	Inches/Hg			
Conductivity		419	umho/cm			
Depth to Water		68.95	ft			
Dissolved Oxygen		5	mg/L			
pH		6.1	Std Unit			
Temperature		57.1	deg F			
<b>METAL</b>						
Barium		0.253	mg/L		0.05	SW846-6010A
Beryllium	BU	0.01	mg/L		0.01	SW846-6010A
Cadmium	BUW	0.005	mg/L		0.005	SW846-7131
Chromium		0.141	mg/L		0.05	SW846-6010A
Cobalt	U	0.01	mg/L		0.01	SW846-6010A
Copper	BU	0.05	mg/L		0.05	SW846-6010A
Iron		1.44	mg/L		0.2	SW846-6010A
Mercury	UW	0.0002	mg/L		0.0002	SW846-7470
Nickel		0.085	mg/L		0.05	SW846-6010A
Selenium	NU	0.005	mg/L		0.005	SW846-7740
Silver	BU	0.05	mg/L		0.05	SW846-6010A
Sodium	N	44.2	mg/L		2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.05	mg/L		0.05	SW846-6010A
Zinc	BU	0.2	mg/L		0.2	SW846-6010A
<b>METAL-D</b>						
Barium		0.241	mg/L		0.05	SW846-6010A
Chromium	U	0.05	mg/L		0.05	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		230	mg/L		100	EPA-160.2
<b>RADS</b>						
Alpha activity	U	1.8	pCi/L	1.2	3.63	EPA-900.0
Beta activity	U	5.76	pCi/L	1.15	7.83	EPA-900.0
Technetium-99	U	-7.06	pCi/L	0	16.3	RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260

**MW221****SG00-02****C-746 S&T QUARTERLY-JANUARY SG00-02**

2-Butanone	U	0.01 mg/L	0.01	SW846-8260
2-Hexanone	JU	0.01 mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01 mg/L	0.01	SW846-8260
Acetone	U	0.01 mg/L	0.01	SW846-8260
Acrolein	JU	0.01 mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01 mg/L	0.01	SW846-8260
Benzene	U	0.005 mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromoform	U	0.005 mg/L	0.005	SW846-8260
Bromomethane	U	0.005 mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005 mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005 mg/L	0.005	SW846-8260
Chloroethane	U	0.005 mg/L	0.005	SW846-8260
Chloromethane	U	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	JU	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Dibromomethane	U	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005 mg/L	0.005	SW846-8260
Ethyl methacrylate	JU	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	JU	0.005 mg/L	0.005	SW846-8260
Methylene chloride	U	0.01 mg/L	0.01	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene		0.004 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01 mg/L	0.01	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Total Organic Carbon (TOC)	U	1.2 mg/L	1.2	SW846-9060
Turbidity		8.3 NTU	0.5	EPA-180.1 1978

MW222

SG00-02

C-746 S&T QUARTERLY-JANUARY SG00-02

MW222SG2-00

Collected: 1/4/2000

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		20.5	mg/L		2	SW846-9056
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.65	Inches/Hg			
Conductivity		271	umho/cm			
Depth to Water		72.59	ft			
Dissolved Oxygen		2.43	mg/L			
pH		6.05	Std Unit			
Temperature		58.8	deg F			
<b>METAL</b>						
Barium		0.201	mg/L		0.05	SW846-6010A
Beryllium	BU	0.01	mg/L		0.01	SW846-6010A
Cadmium	BUW	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.05	mg/L		0.05	SW846-6010A
Cobalt	U	0.01	mg/L		0.01	SW846-6010A
Copper	BU	0.05	mg/L		0.05	SW846-6010A
Iron		2.64	mg/L		0.2	SW846-6010A
Mercury	UW	0.0002	mg/L		0.0002	SW846-7470
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Selenium	NU	0.005	mg/L		0.005	SW846-7740
Silver	BU	0.05	mg/L		0.05	SW846-6010A
Sodium	N	38.1	mg/L		2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.05	mg/L		0.05	SW846-6010A
Zinc	BU	0.2	mg/L		0.2	SW846-6010A
<b>METAL-D</b>						
Barium		0.19	mg/L		0.05	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids	*	161	mg/L		100	EPA-160.2
<b>RADS</b>						
Alpha activity	U	0.32	pCi/L	0.32	3.24	EPA-900.0
Beta activity	U	-3.65	pCi/L	1.04	7.22	EPA-900.0
Technetium-99	U	-10.3	pCi/L	0	16.3	RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260

**MW222****SG00-02****C-746 S&T QUARTERLY-JANUARY SG00-02**

2-Chloroethyl vinyl ether	U	0.01 mg/L	0.01	SW846-8260
2-Hexanone	U	0.01 mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01 mg/L	0.01	SW846-8260
Acetone	U	0.01 mg/L	0.01	SW846-8260
Acrolein	JU	0.01 mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01 mg/L	0.01	SW846-8260
Benzene	U	0.005 mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromoform	U	0.005 mg/L	0.005	SW846-8260
Bromomethane	U	0.005 mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005 mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005 mg/L	0.005	SW846-8260
Chloroethane	U	0.005 mg/L	0.005	SW846-8260
Chloromethane	U	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	JU	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Dibromomethane	U	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005 mg/L	0.005	SW846-8260
Ethyl methacrylate	JU	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	U	0.005 mg/L	0.005	SW846-8260
Methylene chloride	U	0.01 mg/L	0.01	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01 mg/L	0.01	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Total Organic Carbon (TOC)	JU	1.2 mg/L	1.2	SW846-9060
Turbidity		29 NTU	0.5	EPA-180.1 1978



MW222

SG00-02

C-746 S&T QUARTERLY-JANUARY SG00-02

MW222DSG2-00

Collected: 1/4/2000

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		20.1	mg/L		2	SW846-9056
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.65	Inches/Hg			
Conductivity		271	umho/cm			
Depth to Water		72.59	ft			
Dissolved Oxygen		2.43	mg/L			
pH		6.05	Std Unit			
Temperature		58.8	deg F			
<b>METAL</b>						
Barium		0.2	mg/L		0.05	SW846-6010A
Beryllium	BU	0.01	mg/L		0.01	SW846-6010A
Cadmium	BUW	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.05	mg/L		0.05	SW846-6010A
Cobalt	U	0.01	mg/L		0.01	SW846-6010A
Copper	BU	0.05	mg/L		0.05	SW846-6010A
Iron		1.35	mg/L		0.2	SW846-6010A
Mercury	UW	0.0002	mg/L		0.0002	SW846-7470
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Selenium	NU	0.005	mg/L		0.005	SW846-7740
Silver	BU	0.05	mg/L		0.05	SW846-6010A
Sodium	N	39.2	mg/L		2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.05	mg/L		0.05	SW846-6010A
Zinc	BU	0.2	mg/L		0.2	SW846-6010A
<b>METAL-D</b>						
Barium		0.191	mg/L		0.05	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		192	mg/L		100	EPA-160.2
<b>RADS</b>						
Alpha activity	U	0.18	pCi/L	0.18	3.24	EPA-900.0
Beta activity	U	0	pCi/L	0	7.23	EPA-900.0
Technetium-99	U	-4.43	pCi/L	0	16.3	RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260

**MW222****SG00-02****C-746 S&T QUARTERLY-JANUARY SG00-02**

2-Chloroethyl vinyl ether	U	0.01 mg/L	0.01	SW846-8260
2-Hexanone	U	0.01 mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01 mg/L	0.01	SW846-8260
Acetone	U	0.01 mg/L	0.01	SW846-8260
Acrolein	JU	0.01 mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01 mg/L	0.01	SW846-8260
Benzene	U	0.005 mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromoform	U	0.005 mg/L	0.005	SW846-8260
Bromomethane	U	0.005 mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005 mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005 mg/L	0.005	SW846-8260
Chloroethane	U	0.005 mg/L	0.005	SW846-8260
Chloromethane	U	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	JU	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Dibromomethane	U	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005 mg/L	0.005	SW846-8260
Ethyl methacrylate	JU	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	U	0.005 mg/L	0.005	SW846-8260
Methylene chloride	U	0.01 mg/L	0.01	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01 mg/L	0.01	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Total Organic Carbon (TOC)	U	1.2 mg/L	1.2	SW846-9060
Turbidity		22 NTU	0.5	EPA-180.1 1978

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MW223

SG00-02

C-746 S&T QUARTERLY-JANUARY SG00-02

MW223SG2-00

Collected: 1/4/2000

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		37.6	mg/L		2	SW846-9056
Nitrate as Nitrogen		1.9	mg/L		1	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.65	Inches/Hg			
Conductivity		382	umho/cm			
Depth to Water		72.38	ft			
Dissolved Oxygen		5.59	mg/L			
pH		6.25	Std Unit			
Temperature		59	deg F			
<b>METAL</b>						
Barium		0.154	mg/L		0.05	SW846-6010A
Beryllium	BU	0.01	mg/L		0.01	SW846-6010A
Cadmium	BUW	0.005	mg/L		0.005	SW846-7131
Chromium		0.128	mg/L		0.05	SW846-6010A
Cobalt	U	0.01	mg/L		0.01	SW846-6010A
Copper	BU	0.05	mg/L		0.05	SW846-6010A
Iron		1.48	mg/L		0.2	SW846-6010A
Mercury	UW	0.0002	mg/L		0.0002	SW846-7470
Nickel		0.454	mg/L		0.05	SW846-6010A
Selenium	NU	0.005	mg/L		0.005	SW846-7740
Silver	BU	0.05	mg/L		0.05	SW846-6010A
Sodium	N	41.9	mg/L		2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.05	mg/L		0.05	SW846-6010A
Zinc	BU	0.2	mg/L		0.2	SW846-6010A
<b>METAL-D</b>						
Barium		0.151	mg/L		0.05	SW846-6010A
Chromium	U	0.05	mg/L		0.05	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		233	mg/L		100	EPA-160.2
<b>RADS</b>						
Alpha activity		3.53	pCi/L	1.82	3.53	EPA-900.0
Beta activity		10.53	pCi/L	1.87	7.68	EPA-900.0
Technetium-99	U	-3.48	pCi/L	0	16.3	RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260

**MW223****SG00-02****C-746 S&T QUARTERLY-JANUARY SG00-02**

2-Butanone	U	0.01 mg/L	0.01	SW846-8260
2-Chloroethyl vinyl ether	U	0.01 mg/L	0.01	SW846-8260
2-Hexanone	U	0.01 mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01 mg/L	0.01	SW846-8260
Acetone	U	0.01 mg/L	0.01	SW846-8260
Acrolein	JU	0.01 mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01 mg/L	0.01	SW846-8260
Benzene	U	0.005 mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromoform	U	0.005 mg/L	0.005	SW846-8260
Bromomethane	U	0.005 mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005 mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005 mg/L	0.005	SW846-8260
Chloroethane	U	0.005 mg/L	0.005	SW846-8260
Chloromethane	U	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	JU	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Dibromomethane	U	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005 mg/L	0.005	SW846-8260
Ethyl methacrylate	JU	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	U	0.005 mg/L	0.005	SW846-8260
Methylene chloride	U	0.01 mg/L	0.01	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01 mg/L	0.01	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Total Organic Carbon (TOC)	U	1.2 mg/L	1.2	SW846-9060
Turbidity		8.3 NTU	0.5	EPA-180.1 1978

**MW224**

**SG00-02**

**C-746 S&T QUARTERLY-JANUARY SG00-02**

**MW224SG2-00**

Collected: 1/4/2000

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		13	mg/L		2	SW846-9056
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.65	Inches/Hg			
Conductivity		437	umho/cm			
Depth to Water		73.08	ft			
Dissolved Oxygen		1.82	mg/L			
pH		6.04	Std Unit			
Temperature		58.6	deg F			
<b>METAL</b>						
Barium		0.217	mg/L		0.05	SW846-6010A
Beryllium	BU	0.01	mg/L		0.01	SW846-6010A
Cadmium	BUW	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.05	mg/L		0.05	SW846-6010A
Cobalt	U	0.01	mg/L		0.01	SW846-6010A
Copper	BU	0.05	mg/L		0.05	SW846-6010A
Iron	U	0.2	mg/L		0.2	SW846-6010A
Mercury	NW	0.0003	mg/L		0.0002	SW846-7470
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Selenium	NU	0.005	mg/L		0.005	SW846-7740
Silver	BU	0.05	mg/L		0.05	SW846-6010A
Sodium	N	67.4	mg/L		2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.05	mg/L		0.05	SW846-6010A
Zinc	BU	0.2	mg/L		0.2	SW846-6010A
<b>METAL-D</b>						
Barium		0.214	mg/L		0.05	SW846-6010A
Mercury	UW	0.0002	mg/L		0.0002	SW846-7470
<b>PHYSC</b>						
Dissolved Solids		287	mg/L		100	EPA-160.2
<b>RADS</b>						
Alpha activity	U	1.32	pCi/L	1	3.74	EPA-900.0
Beta activity	U	-1.73	pCi/L	0.44	7.98	EPA-900.0
Technetium-99	U	-5.27	pCi/L	0	16.3	RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260

**MW224****SG00-02****C-746 S&T QUARTERLY-JANUARY SG00-02**

2-Butanone	U	0.01 mg/L	0.01	SW846-8260
2-Chloroethyl vinyl ether	U	0.01 mg/L	0.01	SW846-8260
2-Hexanone	U	0.01 mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01 mg/L	0.01	SW846-8260
Acetone	U	0.01 mg/L	0.01	SW846-8260
Acrolein	JU	0.01 mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01 mg/L	0.01	SW846-8260
Benzene	U	0.005 mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromoform	U	0.005 mg/L	0.005	SW846-8260
Bromomethane	U	0.005 mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005 mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005 mg/L	0.005	SW846-8260
Chloroethane	U	0.005 mg/L	0.005	SW846-8260
Chloromethane	U	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	JU	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Dibromomethane	U	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005 mg/L	0.005	SW846-8260
Ethyl methacrylate	JU	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	U	0.005 mg/L	0.005	SW846-8260
Methylene chloride	U	0.01 mg/L	0.01	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01 mg/L	0.01	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Total Organic Carbon (TOC)		1.5 mg/L	1.2	SW846-9060
Turbidity	U	0.5 NTU	0.5	EPA-180.1 1978

## MW263

## SG00-02

## C-746 S&amp;T QUARTERLY-JANUARY SG00-02

## MW263SG2-00

Collected: 1/5/2000

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		43.6	mg/L		2	SW846-9056
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		30.33	Inches/Hg			
Conductivity		548	umho/cm			
Depth to Water		37.9	ft			
Dissolved Oxygen		1.78	mg/L			
pH		6.2	Std Unit			
Temperature		58	deg F			
<b>METAL</b>						
Barium		0.065	mg/L		0.05	SW846-6010A
Beryllium	BU	0.01	mg/L		0.01	SW846-6010A
Cadmium	BUW	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.05	mg/L		0.05	SW846-6010A
Cobalt	U	0.01	mg/L		0.01	SW846-6010A
Copper	BU	0.05	mg/L		0.05	SW846-6010A
Iron		0.351	mg/L		0.2	SW846-6010A
Mercury	UW	0.0002	mg/L		0.0002	SW846-7470
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Selenium	NU	0.005	mg/L		0.005	SW846-7740
Silver	BU	0.05	mg/L		0.05	SW846-6010A
Sodium	N	49.5	mg/L		2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.05	mg/L		0.05	SW846-6010A
Zinc	BU	0.2	mg/L		0.2	SW846-6010A
<b>METAL-D</b>						
Barium		0.062	mg/L		0.05	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		321	mg/L		100	EPA-160.2
<b>RADS</b>						
Alpha activity	U	0.12	pCi/L	0.09	4.08	EPA-900.0
Beta activity		31.03	pCi/L	4.15	8.4	EPA-900.0
Technetium-99		17.3	pCi/L	11.6	16.3	RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260

**MW263****SG00-02****C-746 S&T QUARTERLY-JANUARY SG00-02**

2-Hexanone	JU	0.01 mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01 mg/L	0.01	SW846-8260
Acetone	U	0.01 mg/L	0.01	SW846-8260
Acrolein	JU	0.01 mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01 mg/L	0.01	SW846-8260
Benzene	U	0.005 mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromoform	U	0.005 mg/L	0.005	SW846-8260
Bromomethane	U	0.005 mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005 mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005 mg/L	0.005	SW846-8260
Chloroethane	U	0.005 mg/L	0.005	SW846-8260
Chloromethane	U	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	JU	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Dibromomethane	U	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005 mg/L	0.005	SW846-8260
Ethyl methacrylate	JU	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	JU	0.005 mg/L	0.005	SW846-8260
Methylene chloride	U	0.01 mg/L	0.01	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene		0.014 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01 mg/L	0.01	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Total Organic Carbon (TOC)	U	1.5 mg/L	1.5	SW846-9060
Turbidity		0.9 NTU	0.5	EPA-180.1 1978



**MW264**

**SG00-02**

**C-746 S&T QUARTERLY-JANUARY SG00-02**

**MW264SG2-00**

Collected: 1/5/2000

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		42.9	mg/L		2	SW846-9056
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		30.3	Inches/Hg			
Conductivity		521	umho/cm			
Depth to Water		43.3	ft			
Dissolved Oxygen		1.2	mg/L			
pH		6.3	Std Unit			
Temperature		57.4	deg F			
<b>METAL</b>						
Barium		0.166	mg/L		0.05	SW846-6010A
Beryllium	BU	0.01	mg/L		0.01	SW846-6010A
Cadmium	BUW	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.05	mg/L		0.05	SW846-6010A
Cobalt	U	0.01	mg/L		0.01	SW846-6010A
Copper	BU	0.05	mg/L		0.05	SW846-6010A
Iron		0.52	mg/L		0.2	SW846-6010A
Mercury	UW	0.0002	mg/L		0.0002	SW846-7470
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Selenium	NU	0.005	mg/L		0.005	SW846-7740
Silver	BU	0.05	mg/L		0.05	SW846-6010A
Sodium	N	42	mg/L		2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.05	mg/L		0.05	SW846-6010A
Zinc	BU	0.2	mg/L		0.2	SW846-6010A
<b>METAL-D</b>						
Barium		0.166	mg/L		0.05	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		274	mg/L		100	EPA-160.2
<b>RADS</b>						
Alpha activity	U	2.72	pCi/L	1.64	4.03	EPA-900.0
Beta activity	U	4.93	pCi/L	1.01	8.34	EPA-900.0
Technetium-99	U	-1.95	pCi/L	0	16.3	RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260

**MW264****SG00-02****C-746 S&T QUARTERLY-JANUARY SG00-02**

2-Hexanone	JU	0.01 mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01 mg/L	0.01	SW846-8260
Acetone	U	0.01 mg/L	0.01	SW846-8260
Acrolein	JU	0.01 mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01 mg/L	0.01	SW846-8260
Benzene	U	0.005 mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromoform	U	0.005 mg/L	0.005	SW846-8260
Bromomethane	U	0.005 mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005 mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005 mg/L	0.005	SW846-8260
Chloroethane	U	0.005 mg/L	0.005	SW846-8260
Chloromethane	U	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	JU	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Dibromomethane	U	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005 mg/L	0.005	SW846-8260
Ethyl methacrylate	JU	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	JU	0.005 mg/L	0.005	SW846-8260
Methylene chloride	U	0.01 mg/L	0.01	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene		0.003 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01 mg/L	0.01	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Total Organic Carbon (TOC)	U	1.5 mg/L	1.5	SW846-9060
Turbidity		3.1 NTU	0.5	EPA-180.1 1978

MW265

SG00-02

C-746 S&T QUARTERLY-JANUARY SG00-02

MW265SG2-00

Collected: 1/4/2000

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		35.8	mg/L		2	SW846-9056
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		30.06	Inches/Hg			
Conductivity		362	umho/cm			
Depth to Water		46.16	ft			
Dissolved Oxygen		2.21	mg/L			
pH		6.1	Std Unit			
Temperature		54.9	deg F			
<b>METAL</b>						
Barium		0.224	mg/L		0.05	SW846-6010A
Beryllium	BU	0.01	mg/L		0.01	SW846-6010A
Cadmium	BUW	0.005	mg/L		0.005	SW846-7131
Chromium		1.57	mg/L		0.05	SW846-6010A
Cobalt	U	0.01	mg/L		0.01	SW846-6010A
Copper	BU	0.05	mg/L		0.05	SW846-6010A
Iron		8.06	mg/L		0.2	SW846-6010A
Mercury	UW	0.0002	mg/L		0.0002	SW846-7470
Nickel		0.134	mg/L		0.05	SW846-6010A
Selenium	NU	0.005	mg/L		0.005	SW846-7740
Silver	BU	0.05	mg/L		0.05	SW846-6010A
Sodium	N	39.2	mg/L		2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.05	mg/L		0.05	SW846-6010A
Zinc	BU	0.2	mg/L		0.2	SW846-6010A
<b>METAL-D</b>						
Barium		0.203	mg/L		0.05	SW846-6010A
Chromium	U	0.05	mg/L		0.05	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		211	mg/L		100	EPA-160.2
<b>RADS</b>						
Alpha activity	U	2.16	pCi/L	1.37	3.54	EPA-900.0
Beta activity	U	0	pCi/L	0	7.69	EPA-900.0
Technetium-99	U	-5.96	pCi/L	0	16.3	RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260

**MW265****SG00-02****C-746 S&T QUARTERLY-JANUARY SG00-02**

2-Butanone	U	0.01 mg/L	0.01	SW846-8260
2-Chloroethyl vinyl ether	U	0.01 mg/L	0.01	SW846-8260
2-Hexanone	U	0.01 mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01 mg/L	0.01	SW846-8260
Acetone	U	0.01 mg/L	0.01	SW846-8260
Acrolein	JU	0.01 mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01 mg/L	0.01	SW846-8260
Benzene	UX	0.005 mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromoform	U	0.005 mg/L	0.005	SW846-8260
Bromomethane	U	0.005 mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005 mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005 mg/L	0.005	SW846-8260
Chloroethane	U	0.005 mg/L	0.005	SW846-8260
Chloromethane	U	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	JU	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Dibromomethane	U	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005 mg/L	0.005	SW846-8260
Ethyl methacrylate	JU	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	U	0.005 mg/L	0.005	SW846-8260
Methylene chloride	U	0.01 mg/L	0.01	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene		0.005 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01 mg/L	0.01	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Total Organic Carbon (TOC)	JU	1.2 mg/L	1.2	SW846-9060
Turbidity		55 NTU	0.5	EPA-180.1 1978

**MW266**

**SG00-02**

**C-746 S&T QUARTERLY-JANUARY SG00-02**

**MW266SG2-00**

Collected: 1/6/2000

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		37.1	mg/L		2	SW846-9056
Nitrate as Nitrogen		1.1	mg/L		1	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.9	Inches/Hg			
Conductivity		519	umho/cm			
Depth to Water		42.95	ft			
Dissolved Oxygen		2.01	mg/L			
pH		6.09	Std Unit			
Temperature		58.6	deg F			
<b>METAL</b>						
Barium	U	0.05	mg/L		0.05	SW846-6010A
Beryllium	U	0.01	mg/L		0.01	SW846-6010A
Cadmium	BUW	0.005	mg/L		0.005	SW846-7131
Chromium		0.985	mg/L		0.05	SW846-6010A
Cobalt	BU	0.01	mg/L		0.01	SW846-6010A
Copper	BU	0.05	mg/L		0.05	SW846-6010A
Iron	N	7.15	mg/L		0.2	SW846-6010A
Mercury	UW	0.0002	mg/L		0.0002	SW846-7470
Nickel	B	0.068	mg/L		0.05	SW846-6010A
Selenium	NU	0.005	mg/L		0.005	SW846-7740
Silver	BU	0.05	mg/L		0.05	SW846-6010A
Sodium	N	31.3	mg/L		2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.05	mg/L		0.05	SW846-6010A
Zinc	BU	0.2	mg/L		0.2	SW846-6010A
<b>METAL-D</b>						
Chromium	U	0.05	mg/L		0.05	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		307	mg/L		100	EPA-160.2
<b>RADS</b>						
Alpha activity		7.69	pCi/L	2.96	3.78	EPA-900.0
Beta activity		18.67	pCi/L	2.89	8.04	EPA-900.0
Technetium-99	U	-5.48	pCi/L	0	16.3	RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260

## MW266

## SG00-02

## C-746 S&amp;T QUARTERLY-JANUARY SG00-02

2-Hexanone	JU	0.01 mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01 mg/L	0.01	SW846-8260
Acetone	U	0.01 mg/L	0.01	SW846-8260
Acrolein	JU	0.01 mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01 mg/L	0.01	SW846-8260
Benzene	U	0.005 mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromoform	U	0.005 mg/L	0.005	SW846-8260
Bromomethane	U	0.005 mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005 mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005 mg/L	0.005	SW846-8260
Chloroethane	U	0.005 mg/L	0.005	SW846-8260
Chloromethane	U	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	JU	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Dibromomethane	U	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005 mg/L	0.005	SW846-8260
Ethyl methacrylate	JU	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	JU	0.005 mg/L	0.005	SW846-8260
Methylene chloride	U	0.01 mg/L	0.01	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene		0.004 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01 mg/L	0.01	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Total Organic Carbon (TOC)	U	1.5 mg/L	1.5	SW846-9060
Turbidity		26 NTU	0.5	EPA-180.1 1978

MW267

SG00-02

C-746 S&T QUARTERLY-JANUARY SG00-02

MW267SG2-00

Collected: 1/4/2000

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		57.3	mg/L		2	SW846-9056
Nitrate as Nitrogen		2.4	mg/L		1	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		30.09	Inches/Hg			
Conductivity		400	umho/cm			
Depth to Water		57.78	ft			
Dissolved Oxygen		3.56	mg/L			
pH		5.8	Std Unit			
Temperature		58.6	deg F			
<b>METAL</b>						
Barium		0.227	mg/L		0.05	SW846-6010A
Beryllium	BU	0.01	mg/L		0.01	SW846-6010A
Cadmium	BUW	0.005	mg/L		0.005	SW846-7131
Chromium		0.091	mg/L		0.05	SW846-6010A
Cobalt	U	0.01	mg/L		0.01	SW846-6010A
Copper	BU	0.05	mg/L		0.05	SW846-6010A
Iron		0.641	mg/L		0.2	SW846-6010A
Mercury	UW	0.0002	mg/L		0.0002	SW846-7470
Nickel		0.069	mg/L		0.05	SW846-6010A
Selenium	BNU	0.005	mg/L		0.005	SW846-7740
Silver	BU	0.05	mg/L		0.05	SW846-6010A
Sodium	N	40	mg/L		2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.05	mg/L		0.05	SW846-6010A
Zinc	BU	0.2	mg/L		0.2	SW846-6010A
<b>METAL-D</b>						
Barium		0.215	mg/L		0.05	SW846-6010A
Chromium	U	0.05	mg/L		0.05	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		232	mg/L		100	EPA-160.2
<b>RADS</b>						
Alpha activity		3.68	pCi/L	1.84	3.4	EPA-900.0
Beta activity		7.89	pCi/L	1.48	7.49	EPA-900.0
Technetium-99	U	0.0527	pCi/L	11.1	16.3	RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260

## MW267

## SG00-02

## C-746 S&amp;T QUARTERLY-JANUARY SG00-02

2-Butanone	U	0.01 mg/L	0.01	SW846-8260
2-Chloroethyl vinyl ether	U	0.01 mg/L	0.01	SW846-8260
2-Hexanone	U	0.01 mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01 mg/L	0.01	SW846-8260
Acetone	U	0.01 mg/L	0.01	SW846-8260
Acrolein	JU	0.01 mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01 mg/L	0.01	SW846-8260
Benzene	U	0.005 mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromoform	U	0.005 mg/L	0.005	SW846-8260
Bromomethane	U	0.005 mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005 mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005 mg/L	0.005	SW846-8260
Chloroethane	U	0.005 mg/L	0.005	SW846-8260
Chloromethane	U	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	JU	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Dibromomethane	U	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005 mg/L	0.005	SW846-8260
Ethyl methacrylate	JU	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	U	0.005 mg/L	0.005	SW846-8260
Methylene chloride	U	0.01 mg/L	0.01	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01 mg/L	0.01	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Total Organic Carbon (TOC)	JU	1.2 mg/L	1.2	SW846-9060
Turbidity		3.9 NTU	0.5	EPA-180.1 1978



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MW179

SG00-03

C-746 S&T QUARTERLY-APRIL SG00-03

MW179SG3-00

Collected: 4/4/2000

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		35.4	mg/L		2	SW846-9056
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		30	Inches/Hg			
Conductivity		871	umho/cm			
Depth to Water		36.49	ft			
Dissolved Oxygen		2.37	mg/L			
pH		6	Std Unit			
Temperature		60.8	deg F			
<b>METAL</b>						
Barium		0.026	mg/L		0.025	SW846-6010A
Beryllium	U	0.005	mg/L		0.005	SW846-6010A
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.025	mg/L		0.025	SW846-6010A
Cobalt	U	0.025	mg/L		0.025	SW846-6010A
Copper	U	0.025	mg/L		0.025	SW846-6010A
Iron	NU	0.2	mg/L		0.2	SW846-6010A
Mercury	UW	0.0002	mg/L		0.0002	SW846-7470
Nickel	U	0.025	mg/L		0.025	SW846-6010A
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Silver	BU	0.025	mg/L		0.025	SW846-6010A
Sodium		61.5	mg/L		2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.025	mg/L		0.025	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A
<b>METAL-D</b>						
Barium		0.026	mg/L		0.025	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		590	mg/L		50	EPA-160.2
<b>RADS</b>						
Alpha activity	U	-1.74	pCi/L	2.46	6.74	EPA-900.0
Beta activity		20.4	pCi/L	3.46	9.24	EPA-900.0
Technetium-99	U	11.3	pCi/L	11.6	16.7	RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	UX	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	UX	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	UX	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	UX	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	UX	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	UX	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	UX	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	UX	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	UX	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	UX	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	UX	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	UX	0.005	mg/L		0.005	SW846-8260
2-Butanone	UX	0.01	mg/L		0.01	SW846-8260

## MW179

## SG00-03

## C-746 S&amp;T QUARTERLY-APRIL SG00-03

2-Chloroethyl vinyl ether	JUX	0.01 mg/L	0.01	SW846-8260
2-Hexanone	UX	0.01 mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	UX	0.01 mg/L	0.01	SW846-8260
Acetone	UX	0.01 mg/L	0.01	SW846-8260
Acrolein	JUX	0.01 mg/L	0.01	SW846-8260
Acrylonitrile	UX	0.01 mg/L	0.01	SW846-8260
Benzene	UX	0.005 mg/L	0.005	SW846-8260
Bromochloromethane	UX	0.005 mg/L	0.005	SW846-8260
Bromodichloromethane	UX	0.005 mg/L	0.005	SW846-8260
Bromoform	UX	0.005 mg/L	0.005	SW846-8260
Bromomethane	UX	0.005 mg/L	0.005	SW846-8260
Carbon disulfide	UX	0.005 mg/L	0.005	SW846-8260
Carbon tetrachloride	UX	0.005 mg/L	0.005	SW846-8260
Chlorobenzene	UX	0.005 mg/L	0.005	SW846-8260
Chloroethane	UX	0.005 mg/L	0.005	SW846-8260
Chloromethane	UX	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	UX	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	UX	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	UX	0.005 mg/L	0.005	SW846-8260
Dibromomethane	UX	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	UX	0.005 mg/L	0.005	SW846-8260
Ethyl methacrylate	UX	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	UX	0.005 mg/L	0.005	SW846-8260
Iodomethane	UX	0.005 mg/L	0.005	SW846-8260
Methylene chloride	JUX	0.01 mg/L	0.01	SW846-8260
Styrene	UX	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	UX	0.005 mg/L	0.005	SW846-8260
Toluene	UX	0.005 mg/L	0.005	SW846-8260
Total Xylene	UX	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	UX	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	UX	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	UX	0.005 mg/L	0.005	SW846-8260
Trichloroethene	X	0.006 mg/L	0.001	SW846-8260
Trichlorofluoromethane	UX	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JUX	0.01 mg/L	0.01	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	BU	25 mg/L	25	EPA-410.4 1978
Total Organic Carbon (TOC)	U	1.6 mg/L	1.6	SW846-9060
Total Organic Halides (TOX)	JU	0.05 mg/L	0.05	SW846-9020B
Turbidity		2.5 NTU	0.5	EPA-180.1 1978

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**MW220**

**SG00-03**

## C-746 S&T QUARTERLY-APRIL SG00-03

**MW220SG3-00**

Collected: 4/3/2000

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		42.5	mg/L		2	SW846-9056
Nitrate as Nitrogen		1.6	mg/L		1	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.77	Inches/Hg			
Conductivity		366	umho/cm			
Depth to Water		58.53	ft			
Dissolved Oxygen		5.7	mg/L			
pH		5.8	Std Unit			
Temperature		60.1	deg F			
<b>METAL</b>						
Barium		0.207	mg/L		0.025	SW846-6010A
Beryllium	U	0.005	mg/L		0.005	SW846-6010A
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium		0.044	mg/L		0.025	SW846-6010A
Cobalt	U	0.025	mg/L		0.025	SW846-6010A
Copper	U	0.025	mg/L		0.025	SW846-6010A
Iron	N	0.258	mg/L		0.2	SW846-6010A
Mercury	UW	0.0002	mg/L		0.0002	SW846-7470
Nickel		0.426	mg/L		0.025	SW846-6010A
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Silver	BU	0.025	mg/L		0.025	SW846-6010A
Sodium		36.5	mg/L		2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.025	mg/L		0.025	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A
<b>METAL-D</b>						
Barium		0.202	mg/L		0.025	SW846-6010A
Chromium	U	0.025	mg/L		0.025	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		207	mg/L		50	EPA-160.2
<b>RADS</b>						
Alpha activity		-0.6	pCi/L	0.4	5.22	EPA-900.0
Beta activity		17.41	pCi/L	2.8	8.88	EPA-900.0
Technetium-99		26.4	pCi/L	12.1	16.7	RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260

**MW220****SG00-03****C-746 S&T QUARTERLY-APRIL SG00-03**

2-Butanone	JU	0.01 mg/L	0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01 mg/L	0.01	SW846-8260
2-Hexanone	U	0.01 mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01 mg/L	0.01	SW846-8260
Acetone	JU	0.01 mg/L	0.01	SW846-8260
Acrolein	JU	0.01 mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01 mg/L	0.01	SW846-8260
Benzene	U	0.005 mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromoform	U	0.005 mg/L	0.005	SW846-8260
Bromomethane	UU	0.005 mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005 mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005 mg/L	0.005	SW846-8260
Chloroethane	U	0.005 mg/L	0.005	SW846-8260
Chloromethane	U	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Dibromomethane	U	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005 mg/L	0.005	SW846-8260
Ethyl methacrylate	U	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	U	0.005 mg/L	0.005	SW846-8260
Methylene chloride	JU	0.01 mg/L	0.01	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Total Organic Carbon (TOC)	U	1.6 mg/L	1.6	SW846-9060
Total Organic Halides (TOX)	BU	0.05 mg/L	0.05	SW846-9020B
Turbidity		3.7 NTU	0.5	EPA-180.1 1978

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MW221

SG00-03

C-746 S&T QUARTERLY-APRIL SG00-03

MW221SG3-00

Collected: 4/4/2000

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		48	mg/L		2	SW846-9056
Nitrate as Nitrogen		1.7	mg/L		1	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.91	Inches/Hg			
Conductivity		422	umho/cm			
Depth to Water		68.36	ft			
Dissolved Oxygen		4.2	mg/L			
pH		5.9	Std Unit			
Temperature		59.6	deg F			
<b>METAL</b>						
Barium		0.249	mg/L		0.025	SW846-6010A
Beryllium	U	0.005	mg/L		0.005	SW846-6010A
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium		0.034	mg/L		0.025	SW846-6010A
Cobalt	U	0.025	mg/L		0.025	SW846-6010A
Copper	U	0.025	mg/L		0.025	SW846-6010A
Iron	N	0.292	mg/L		0.2	SW846-6010A
Mercury	UW	0.0002	mg/L		0.0002	SW846-7470
Nickel		0.11	mg/L		0.025	SW846-6010A
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Silver	BU	0.025	mg/L		0.025	SW846-6010A
Sodium		42	mg/L		2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.025	mg/L		0.025	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A
<b>METAL-D</b>						
Barium		0.24	mg/L		0.025	SW846-6010A
Chromium	U	0.025	mg/L		0.025	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		236	mg/L		50	EPA-160.2
<b>RADS</b>						
Alpha activity	U	1.34	pCi/L	0.89	3.84	EPA-900.0
Beta activity		10.57	pCi/L	2.01	7.26	EPA-900.0
Technetium-99	U	11.7	pCi/L	11.6	16.7	RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260

## MW221

## SG00-03

## C-746 S&amp;T QUARTERLY-APRIL SG00-03

2-Butanone	U	0.01 mg/L	0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01 mg/L	0.01	SW846-8260
2-Hexanone	U	0.01 mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01 mg/L	0.01	SW846-8260
Acetone	U	0.01 mg/L	0.01	SW846-8260
Acrolein	JU	0.01 mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01 mg/L	0.01	SW846-8260
Benzene	U	0.005 mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromoform	U	0.005 mg/L	0.005	SW846-8260
Bromomethane	U	0.005 mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005 mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005 mg/L	0.005	SW846-8260
Chloroethane	U	0.005 mg/L	0.005	SW846-8260
Chloromethane	U	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Dibromomethane	U	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005 mg/L	0.005	SW846-8260
Ethyl methacrylate	U	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	U	0.005 mg/L	0.005	SW846-8260
Methylene chloride	JU	0.01 mg/L	0.01	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene		0.003 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	UJ	0.01 mg/L	0.01	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Total Organic Carbon (TOC)	U	1.6 mg/L	1.6	SW846-9060
Total Organic Halides (TOX)	JU	0.05 mg/L	0.05	SW846-9020B
Turbidity		1.6 NTU	0.5	EPA-180.1 1978

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MW222

SG00-03

C-746 S&T QUARTERLY-APRIL SG00-03

MW222SG3-00

Collected: 4/3/2000

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		24.6	mg/L		2	SW846-9056
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.47	Inches/Hg			
Conductivity		310	umho/cm			
Depth to Water		72.07	ft			
Dissolved Oxygen		4.63	mg/L			
pH		6.28	Std Unit			
Temperature		59.9	deg F			
<b>METAL</b>						
Barium		0.232	mg/L		0.025	SW846-6010A
Beryllium	U	0.005	mg/L		0.005	SW846-6010A
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.025	mg/L		0.025	SW846-6010A
Cobalt	U	0.025	mg/L		0.025	SW846-6010A
Copper	U	0.025	mg/L		0.025	SW846-6010A
Iron	N	2.97	mg/L		0.2	SW846-6010A
Mercury	UW	0.0002	mg/L		0.0002	SW846-7470
Nickel		0.085	mg/L		0.025	SW846-6010A
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Silver	BU	0.025	mg/L		0.025	SW846-6010A
Sodium		41.4	mg/L		2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.025	mg/L		0.025	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A
<b>METAL-D</b>						
Barium		0.215	mg/L		0.025	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids	*	209	mg/L		100	EPA-160.2
<b>RADS</b>						
Alpha activity	U	-1.12	pCi/L	2.25	3.48	EPA-900.0
Beta activity	U	1.63	pCi/L	0.4	6.78	EPA-900.0
Technetium-99	U	8.83	pCi/L	11.6	16.7	RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	JU	0.01	mg/L		0.01	SW846-8260

**MW222****SG00-03****C-746 S&T QUARTERLY-APRIL SG00-03**

2-Chloroethyl vinyl ether	JU	0.01 mg/L	0.01	SW846-8260
2-Hexanone	U	0.01 mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01 mg/L	0.01	SW846-8260
Acetone	JU	0.01 mg/L	0.01	SW846-8260
Acrolein	JU	0.01 mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01 mg/L	0.01	SW846-8260
Benzene	U	0.005 mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromoform	U	0.005 mg/L	0.005	SW846-8260
Bromomethane	JU	0.005 mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005 mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005 mg/L	0.005	SW846-8260
Chloroethane	U	0.005 mg/L	0.005	SW846-8260
Chloromethane	U	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Dibromomethane	U	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005 mg/L	0.005	SW846-8260
Ethyl methacrylate	U	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	U	0.005 mg/L	0.005	SW846-8260
Methylene chloride	JU	0.01 mg/L	0.01	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Total Organic Carbon (TOC)	U	1.6 mg/L	1.6	SW846-9060
Total Organic Halides (TOX)	BU	0.05 mg/L	0.05	SW846-9020B
Turbidity		55 NTU	0.5	EPA-180.1 1978



MW223

SG00-03

C-746 S&T QUARTERLY-APRIL SG00-03

MW223SG3-00

Collected: 4/3/2000

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		44.3	mg/L		2	SW846-9056
Nitrate as Nitrogen		2.1	mg/L		1	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.47	Inches/Hg			
Conductivity		382	umho/cm			
Depth to Water		71.32	ft			
Dissolved Oxygen		5.97	mg/L			
pH		6.25	Std Unit			
Temperature		59.5	deg F			
<b>METAL</b>						
Barium		0.189	mg/L		0.025	SW846-6010A
Beryllium	U	0.005	mg/L		0.005	SW846-6010A
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium		0.032	mg/L		0.025	SW846-6010A
Cobalt	U	0.025	mg/L		0.025	SW846-6010A
Copper	U	0.025	mg/L		0.025	SW846-6010A
Iron	N	0.415	mg/L		0.2	SW846-6010A
Mercury	UW	0.0002	mg/L		0.0002	SW846-7470
Nickel		0.65	mg/L		0.025	SW846-6010A
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Silver	BU	0.025	mg/L		0.025	SW846-6010A
Sodium		43.4	mg/L		2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.025	mg/L		0.025	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A
<b>METAL-D</b>						
Barium		0.186	mg/L		0.025	SW846-6010A
Chromium	U	0.025	mg/L		0.025	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		220	mg/L		50	EPA-160.2
<b>RADS</b>						
Alpha activity	U	0.72	pCi/L	0.54	3.86	EPA-900.0
Beta activity		11.65	pCi/L	2.16	7.28	EPA-900.0
Technetium-99	U	13.8	pCi/L	11.7	16.7	RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260

**MW223****SG00-03****C-746 S&T QUARTERLY-APRIL SG00-03**

2-Butanone	JU	0.01 mg/L	0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01 mg/L	0.01	SW846-8260
2-Hexanone	U	0.01 mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01 mg/L	0.01	SW846-8260
Acetone	JU	0.01 mg/L	0.01	SW846-8260
Acrolein	JU	0.01 mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01 mg/L	0.01	SW846-8260
Benzene	U	0.005 mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromoform	U	0.005 mg/L	0.005	SW846-8260
Bromomethane	JU	0.005 mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005 mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005 mg/L	0.005	SW846-8260
Chloroethane	U	0.005 mg/L	0.005	SW846-8260
Chloromethane	U	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Dibromomethane	U	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005 mg/L	0.005	SW846-8260
Ethyl methacrylate	U	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	U	0.005 mg/L	0.005	SW846-8260
Methylene chloride	JU	0.01 mg/L	0.01	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Total Organic Carbon (TOC)	U	1.6 mg/L	1.6	SW846-9060
Total Organic Halides (TOX)	JU	0.05 mg/L	0.05	SW846-9020B
Turbidity		4.9 NTU	0.5	EPA-180.1 1978

MW224

SG00-03

C-746 S&T QUARTERLY-APRIL SG00-03

MW224SG3-00

Collected: 4/4/2000

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		32.6	mg/L		2	SW846-9056
Nitrate as Nitrogen		1	mg/L		1	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.94	Inches/Hg			
Conductivity		452	umho/cm			
Depth to Water		72.9	ft			
Dissolved Oxygen		2.1	mg/L			
pH		5.9	Std Unit			
Temperature		60.8	deg F			
<b>METAL</b>						
Barium		0.226	mg/L		0.025	SW846-6010A
Beryllium	U	0.005	mg/L		0.005	SW846-6010A
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.025	mg/L		0.025	SW846-6010A
Cobalt	U	0.025	mg/L		0.025	SW846-6010A
Copper	U	0.025	mg/L		0.025	SW846-6010A
Iron	NU	0.2	mg/L		0.2	SW846-6010A
Mercury	W	0.0004	mg/L		0.0002	SW846-7470
Nickel	U	0.025	mg/L		0.025	SW846-6010A
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Silver	BU	0.025	mg/L		0.025	SW846-6010A
Sodium		57.2	mg/L		2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.025	mg/L		0.025	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A
<b>METAL-D</b>						
Barium		0.222	mg/L		0.025	SW846-6010A
Mercury	W	0.0003	mg/L		0.0002	SW846-7470
<b>PHYSC</b>						
Dissolved Solids		254	mg/L		50	EPA-160.2
<b>RADS</b>						
Alpha activity	U	-0.3	pCi/L	0.34	4.11	EPA-900.0
Beta activity	U	3.39	pCi/L	0.79	7.58	EPA-900.0
Technetium-99	U	4.04	pCi/L	11.4	16.7	RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260

**MW224****SG00-03****C-746 S&T QUARTERLY-APRIL SG00-03**

2-Butanone	U	0.01 mg/L	0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01 mg/L	0.01	SW846-8260
2-Hexanone	U	0.01 mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01 mg/L	0.01	SW846-8260
Acetone	U	0.01 mg/L	0.01	SW846-8260
Acrolein	JU	0.01 mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01 mg/L	0.01	SW846-8260
Benzene	U	0.005 mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromoform	U	0.005 mg/L	0.005	SW846-8260
Bromomethane	U	0.005 mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005 mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005 mg/L	0.005	SW846-8260
Chloroethane	U	0.005 mg/L	0.005	SW846-8260
Chloromethane	U	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Dibromomethane	U	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005 mg/L	0.005	SW846-8260
Ethyl methacrylate	U	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	U	0.005 mg/L	0.005	SW846-8260
Methylene chloride	JU	0.01 mg/L	0.01	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene		0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	UJ	0.01 mg/L	0.01	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	BU	25 mg/L	25	EPA-410.4 1978
Total Organic Carbon (TOC)	U	1.6 mg/L	1.6	SW846-9060
Total Organic Halides (TOX)	BU	0.05 mg/L	0.05	SW846-9020B
Turbidity	U	0.5 NTU	0.5	EPA-180.1 1978

Paducah-OREIS Data Report

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12/18/2007

MW263

SG00-03

C-746 S&T QUARTERLY-APRIL SG00-03

MW263SG3-00

Collected: 4/3/2000

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		43	mg/L		2	SW846-9056
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.47	Inches/Hg			
Conductivity		546	umho/cm			
Depth to Water		36.91	ft			
Dissolved Oxygen		3.6	mg/L			
pH		6.28	Std Unit			
Temperature		59.6	deg F			
<b>METAL</b>						
Barium		0.063	mg/L		0.025	SW846-6010A
Beryllium	U	0.005	mg/L		0.005	SW846-6010A
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.025	mg/L		0.025	SW846-6010A
Cobalt	U	0.025	mg/L		0.025	SW846-6010A
Copper	U	0.025	mg/L		0.025	SW846-6010A
Iron	NU	0.2	mg/L		0.2	SW846-6010A
Mercury	UW	0.0002	mg/L		0.0002	SW846-7470
Nickel	U	0.025	mg/L		0.025	SW846-6010A
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Silver	BU	0.025	mg/L		0.025	SW846-6010A
Sodium		47.4	mg/L		2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.025	mg/L		0.025	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A
<b>METAL-D</b>						
Barium		0.06	mg/L		0.025	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		312	mg/L		50	EPA-160.2
<b>RADS</b>						
Alpha activity	U	0.51	pCi/L	0.39	4.57	EPA-900.0
Beta activity		25.67	pCi/L	3.87	8.03	EPA-900.0
Technetium-99		40.3	pCi/L	12.6	16.7	RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	JU	0.01	mg/L		0.01	SW846-8260

**MW263****SG00-03****C-746 S&T QUARTERLY-APRIL SG00-03**

2-Chloroethyl vinyl ether	JU	0.01 mg/L	0.01	SW846-8260
2-Hexanone	U	0.01 mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01 mg/L	0.01	SW846-8260
Acetone	JU	0.01 mg/L	0.01	SW846-8260
Acrolein	JU	0.01 mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01 mg/L	0.01	SW846-8260
Benzene	U	0.005 mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromoform	U	0.005 mg/L	0.005	SW846-8260
Bromomethane	JU	0.005 mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005 mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005 mg/L	0.005	SW846-8260
Chloroethane	U	0.005 mg/L	0.005	SW846-8260
Chloromethane	U	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Dibromomethane	U	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005 mg/L	0.005	SW846-8260
Ethyl methacrylate	U	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	U	0.005 mg/L	0.005	SW846-8260
Methylene chloride	JU	0.01 mg/L	0.01	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene		0.015 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Total Organic Carbon (TOC)	U	1.6 mg/L	1.6	SW846-9060
Total Organic Halides (TOX)	JU	0.05 mg/L	0.05	SW846-9020B
Turbidity	U	0.5 NTU	0.5	EPA-180.1 1978

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MW264

SG00-03

C-746 S&T QUARTERLY-APRIL SG00-03

MW264SG3-00

Collected: 4/4/2000

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		35.4	mg/L		2	SW846-9056
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		30	Inches/Hg			
Conductivity		433	umho/cm			
Depth to Water		42.75	ft			
Dissolved Oxygen		1.25	mg/L			
pH		6.15	Std Unit			
Temperature		60	deg F			
<b>METAL</b>						
Barium		0.15	mg/L		0.025	SW846-6010A
Beryllium	U	0.005	mg/L		0.005	SW846-6010A
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.025	mg/L		0.025	SW846-6010A
Cobalt	U	0.025	mg/L		0.025	SW846-6010A
Copper	U	0.025	mg/L		0.025	SW846-6010A
Iron	N	1.06	mg/L		0.2	SW846-6010A
Mercury	UW	0.0002	mg/L		0.0002	SW846-7470
Nickel	U	0.025	mg/L		0.025	SW846-6010A
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Silver	BU	0.025	mg/L		0.025	SW846-6010A
Sodium		40.1	mg/L		2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.025	mg/L		0.025	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A
<b>METAL-D</b>						
Barium		0.14	mg/L		0.025	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		276	mg/L		50	EPA-160.2
<b>RADS</b>						
Alpha activity	U	2.55	pCi/L	1.47	4.11	EPA-900.0
Beta activity		9.21	pCi/L	1.82	7.58	EPA-900.0
Technetium-99	U	8.14	pCi/L	11.5	16.7	RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260

**MW264****SG00-03****C-746 S&T QUARTERLY-APRIL SG00-03**

2-Chloroethyl vinyl ether	JU	0.01 mg/L	0.01	SW846-8260
2-Hexanone	U	0.01 mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01 mg/L	0.01	SW846-8260
Acetone	U	0.01 mg/L	0.01	SW846-8260
Acrolein	JU	0.01 mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01 mg/L	0.01	SW846-8260
Benzene	U	0.005 mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromoform	U	0.005 mg/L	0.005	SW846-8260
Bromomethane	U	0.005 mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005 mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005 mg/L	0.005	SW846-8260
Chloroethane	U	0.005 mg/L	0.005	SW846-8260
Chloromethane	U	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Dibromomethane	U	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005 mg/L	0.005	SW846-8260
Ethyl methacrylate	U	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	U	0.005 mg/L	0.005	SW846-8260
Methylene chloride	JU	0.01 mg/L	0.01	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene		0.004 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	BU	25 mg/L	25	EPA-410.4 1978
Total Organic Carbon (TOC)	U	1.6 mg/L	1.6	SW846-9060
Total Organic Halides (TOX)	BU	0.05 mg/L	0.05	SW846-9020B
Turbidity		21 NTU	0.5	EPA-180.1 1978



## MW265

## SG00-03

## C-746 S&amp;T QUARTERLY-APRIL SG00-03

## MW265SG3-00

Collected: 4/3/2000

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		34.6	mg/L		2	SW846-9056
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.77	Inches/Hg			
Conductivity		371	umho/cm			
Depth to Water		45.8	ft			
Dissolved Oxygen		1.66	mg/L			
pH		6.06	Std Unit			
Temperature		59.2	deg F			
<b>METAL</b>						
Barium		0.218	mg/L		0.025	SW846-6010A
Beryllium	U	0.005	mg/L		0.005	SW846-6010A
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium		0.481	mg/L		0.025	SW846-6010A
Cobalt	U	0.025	mg/L		0.025	SW846-6010A
Copper	U	0.025	mg/L		0.025	SW846-6010A
Iron	N	3.88	mg/L		0.2	SW846-6010A
Mercury	UW	0.0002	mg/L		0.0002	SW846-7470
Nickel		0.113	mg/L		0.025	SW846-6010A
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Silver	BU	0.025	mg/L		0.025	SW846-6010A
Sodium		39.9	mg/L		2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.025	mg/L		0.025	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A
<b>METAL-D</b>						
Barium		0.204	mg/L		0.025	SW846-6010A
Chromium	U	0.025	mg/L		0.025	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		194	mg/L		67	EPA-160.2
<b>RADS</b>						
Alpha activity	U	0.07	pCi/L	0.06	3.71	EPA-900.0
Beta activity	U	5.11	pCi/L	1.12	7.11	EPA-900.0
Technetium-99	U	5.42	pCi/L	11.5	16.7	RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260

## MW265

## SG00-03

## C-746 S&amp;T QUARTERLY-APRIL SG00-03

2-Butanone	JU	0.01 mg/L	0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01 mg/L	0.01	SW846-8260
2-Hexanone	U	0.01 mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01 mg/L	0.01	SW846-8260
Acetone	JU	0.01 mg/L	0.01	SW846-8260
Acrolein	JU	0.01 mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01 mg/L	0.01	SW846-8260
Benzene	U	0.005 mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromoform	U	0.005 mg/L	0.005	SW846-8260
Bromomethane	JU	0.005 mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005 mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005 mg/L	0.005	SW846-8260
Chloroethane	U	0.005 mg/L	0.005	SW846-8260
Chloromethane	U	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Dibromomethane	U	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005 mg/L	0.005	SW846-8260
Ethyl methacrylate	U	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	U	0.005 mg/L	0.005	SW846-8260
Methylene chloride	JU	0.01 mg/L	0.01	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene		0.004 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Total Organic Carbon (TOC)	U	1.6 mg/L	1.6	SW846-9060
Total Organic Halides (TOX)	BU	0.05 mg/L	0.05	SW846-9020B
Turbidity		33 NTU	0.5	EPA-180.1 1978

MW265

SG00-03

C-746 S&T QUARTERLY-APRIL SG00-03

MW265DSG3-00

Collected: 4/3/2000

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		33.8	mg/L		2	SW846-9056
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.77	Inches/Hg			
Conductivity		371	umho/cm			
Depth to Water		45.8	ft			
Dissolved Oxygen		1.66	mg/L			
pH		6.06	Std Unit			
Temperature		59.2	deg F			
<b>METAL</b>						
Barium		0.212	mg/L		0.025	SW846-6010A
Beryllium	U	0.005	mg/L		0.005	SW846-6010A
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium		0.149	mg/L		0.025	SW846-6010A
Cobalt	U	0.025	mg/L		0.025	SW846-6010A
Copper	U	0.025	mg/L		0.025	SW846-6010A
Iron	N	0.979	mg/L		0.2	SW846-6010A
Mercury	UW	0.0002	mg/L		0.0002	SW846-7470
Nickel		0.068	mg/L		0.025	SW846-6010A
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Silver	BU	0.025	mg/L		0.025	SW846-6010A
Sodium		39.6	mg/L		2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.025	mg/L		0.025	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A
<b>METAL-D</b>						
Barium		0.202	mg/L		0.025	SW846-6010A
Chromium	U	0.025	mg/L		0.025	SW846-6010A
<b>PHYSIC</b>						
Dissolved Solids		193	mg/L		50	EPA-160.2
<b>RADS</b>						
Alpha activity	U	0.49	pCi/L	0.4	3.72	EPA-900.0
Beta activity	U	3.76	pCi/L	0.86	7.12	EPA-900.0
Technetium-99	U	-0.479	pCi/L	0	16.7	RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260

**MW265****SG00-03****C-746 S&T QUARTERLY-APRIL SG00-03**

2-Butanone	JU	0.01 mg/L	0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01 mg/L	0.01	SW846-8260
2-Hexanone	U	0.01 mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01 mg/L	0.01	SW846-8260
Acetone	JU	0.01 mg/L	0.01	SW846-8260
Acrolein	JU	0.01 mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01 mg/L	0.01	SW846-8260
Benzene	U	0.005 mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromoform	U	0.005 mg/L	0.005	SW846-8260
Bromomethane	JU	0.005 mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005 mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005 mg/L	0.005	SW846-8260
Chloroethane	U	0.005 mg/L	0.005	SW846-8260
Chloromethane	U	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Dibromomethane	U	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005 mg/L	0.005	SW846-8260
Ethyl methacrylate	U	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	U	0.005 mg/L	0.005	SW846-8260
Methylene chloride	JU	0.01 mg/L	0.01	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene		0.004 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Total Organic Carbon (TOC)	U	1.6 mg/L	1.6	SW846-9060
Total Organic Halides (TOX)	JU	0.05 mg/L	0.05	SW846-9020B
Turbidity		15 NTU	0.5	EPA-180.1 1978

MW266

SG00-03

C-746 S&T QUARTERLY-APRIL SG00-03

MW266SG3-00

Collected: 4/4/2000

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		45.5	mg/L		2	SW846-9056
Nitrate as Nitrogen		1.3	mg/L		1	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		30	Inches/Hg			
Conductivity		514	umho/cm			
Depth to Water		42.34	ft			
Dissolved Oxygen		1.51	mg/L			
pH		5.97	Std Unit			
Temperature		59.3	deg F			
<b>METAL</b>						
Barium		0.047	mg/L		0.025	SW846-6010A
Beryllium	U	0.005	mg/L		0.005	SW846-6010A
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium		0.378	mg/L		0.025	SW846-6010A
Cobalt	U	0.025	mg/L		0.025	SW846-6010A
Copper		0.027	mg/L		0.025	SW846-6010A
Iron	N	3.22	mg/L		0.2	SW846-6010A
Mercury	UW	0.0002	mg/L		0.0002	SW846-7470
Nickel		0.074	mg/L		0.025	SW846-6010A
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Silver	BU	0.025	mg/L		0.025	SW846-6010A
Sodium		34.3	mg/L		2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.025	mg/L		0.025	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A
<b>METAL-D</b>						
Barium		0.043	mg/L		0.025	SW846-6010A
Chromium	U	0.025	mg/L		0.025	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		280	mg/L		50	EPA-160.2
<b>RADS</b>						
Alpha activity	U	0.16	pCi/L	0.13	4.03	EPA-900.0
Beta activity		18.91	pCi/L	3.08	7.49	EPA-900.0
Technetium-99	U	9.79	pCi/L	11.6	16.7	RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260

**MW266****SG00-03****C-746 S&T QUARTERLY-APRIL SG00-03**

2-Butanone	U	0.01 mg/L	0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01 mg/L	0.01	SW846-8260
2-Hexanone	U	0.01 mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01 mg/L	0.01	SW846-8260
Acetone	U	0.01 mg/L	0.01	SW846-8260
Acrolein	JU	0.01 mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01 mg/L	0.01	SW846-8260
Benzene	U	0.005 mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromoform	U	0.005 mg/L	0.005	SW846-8260
Bromomethane	U	0.005 mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005 mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005 mg/L	0.005	SW846-8260
Chloroethane	U	0.005 mg/L	0.005	SW846-8260
Chloromethane	U	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Dibromomethane	U	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005 mg/L	0.005	SW846-8260
Ethyl methacrylate	U	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	U	0.005 mg/L	0.005	SW846-8260
Methylene chloride	JU	0.01 mg/L	0.01	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene		0.005 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01 mg/L	0.01	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	BU	25 mg/L	25	EPA-410.4 1978
Total Organic Carbon (TOC)	U	1.6 mg/L	1.6	SW846-9060
Total Organic Halides (TOX)	JU	0.05 mg/L	0.05	SW846-9020B
Turbidity		33 NTU	0.5	EPA-180.1 1978

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MW267

SG00-03

C-746 S&T QUARTERLY-APRIL SG00-03

MW267SG3-00

Collected: 4/3/2000

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		55.7	mg/L		2	SW846-9056
Nitrate as Nitrogen		2.4	mg/L		1	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.77	Inches/Hg			
Conductivity		421	umho/cm			
Depth to Water		57.52	ft			
Dissolved Oxygen		3.06	mg/L			
pH		5.8	Std Unit			
Temperature		59.7	deg F			
<b>METAL</b>						
Barium		0.232	mg/L		0.025	SW846-6010A
Beryllium	U	0.005	mg/L		0.005	SW846-6010A
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium		0.148	mg/L		0.025	SW846-6010A
Cobalt	U	0.025	mg/L		0.025	SW846-6010A
Copper	U	0.025	mg/L		0.025	SW846-6010A
Iron	N	0.905	mg/L		0.2	SW846-6010A
Mercury	UW	0.0002	mg/L		0.0002	SW846-7470
Nickel		0.041	mg/L		0.025	SW846-6010A
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Silver	BU	0.025	mg/L		0.025	SW846-6010A
Sodium		40.4	mg/L		2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.025	mg/L		0.025	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A
<b>METAL-D</b>						
Barium		0.224	mg/L		0.025	SW846-6010A
Chromium	U	0.025	mg/L		0.025	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		216	mg/L		50	EPA-160.2
<b>RADS</b>						
Alpha activity	U	2.13	pCi/L	1.18	3.92	EPA-900.0
Beta activity		37.17	pCi/L	4.74	7.36	EPA-900.0
Technetium-99		23.3	pCi/L	12	16.7	RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260

**MW267****SG00-03****C-746 S&T QUARTERLY-APRIL SG00-03**

2-Butanone	JU	0.01 mg/L	0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01 mg/L	0.01	SW846-8260
2-Hexanone	U	0.01 mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01 mg/L	0.01	SW846-8260
Acetone	JU	0.01 mg/L	0.01	SW846-8260
Acrolein	JU	0.01 mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01 mg/L	0.01	SW846-8260
Benzene	U	0.005 mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromoform	U	0.005 mg/L	0.005	SW846-8260
Bromomethane	JU	0.005 mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005 mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005 mg/L	0.005	SW846-8260
Chloroethane	U	0.005 mg/L	0.005	SW846-8260
Chloromethane	U	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Dibromomethane	U	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005 mg/L	0.005	SW846-8260
Ethyl methacrylate	U	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	U	0.005 mg/L	0.005	SW846-8260
Methylene chloride	JU	0.01 mg/L	0.01	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Total Organic Carbon (TOC)	U	1.6 mg/L	1.6	SW846-9060
Total Organic Halides (TOX)	JU	0.05 mg/L	0.05	SW846-9020B
Turbidity		4.7 NTU	0.5	EPA-180.1 1978



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MW179

SG00-04

C-746 S&T QUARTERLY-JULY SG00-04

MW179SG4-00

Collected: 7/18/2000

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		35.9	mg/L		2	SW846-9056
Nitrate as Nitrogen	*U	1	mg/L		1	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		30.03	Inches/Hg			
Conductivity		810	umho/cm			
Depth to Water		35.3	ft			
Dissolved Oxygen		2.21	mg/L			
pH		6.1	Std Unit			
Temperature		63.9	deg F			
<b>METAL</b>						
Barium	B	0.029	mg/L		0.025	SW846-6010A
Beryllium	BU	0.005	mg/L		0.005	SW846-6010A
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.025	mg/L		0.025	SW846-6010A
Cobalt	BU	0.025	mg/L		0.025	SW846-6010A
Copper	BU	0.025	mg/L		0.025	SW846-6010A
Iron		1.61	mg/L		0.2	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel	U	0.025	mg/L		0.025	SW846-6010A
Silver	BU	0.025	mg/L		0.025	SW846-6010A
Sodium		63.1	mg/L		2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.025	mg/L		0.025	SW846-6010A
Zinc		0.275	mg/L		0.2	SW846-6010A
<b>METAL-D</b>						
Barium		0.026	mg/L		0.025	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		552	mg/L		50	EPA-160.2
<b>RADS</b>						
Alpha activity	U	-0.15	pCi/L	0.13	6.1	EPA-900.0
Beta activity		40.62	pCi/L	6.14	10.19	EPA-900.0
Technetium-99		25.9	pCi/L	12.3	21.1	RL-7100
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	UX	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	UX	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	UX	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	UX	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	UX	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	UX	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JUX	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	UX	0.005	mg/L		0.005	SW846-8260
1,2-Dichlorobenzene	UX	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	UX	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	UX	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	UX	0.005	mg/L		0.005	SW846-8260
2-Butanone	UX	0.01	mg/L		0.01	SW846-8260
2-Chloroethyl vinyl ether	JUX	0.01	mg/L		0.01	SW846-8260
2-Hexanone	UX	0.01	mg/L		0.01	SW846-8260

**MW179****SG00-04****C-746 S&T QUARTERLY-JULY SG00-04**

4-Methyl-2-pentanone	UX	0.01 mg/L	0.01	SW846-8260
Acetone	UX	0.01 mg/L	0.01	SW846-8260
Acrylonitrile	UX	0.01 mg/L	0.01	SW846-8260
Benzene	UX	0.005 mg/L	0.005	SW846-8260
Bromochloromethane	UX	0.005 mg/L	0.005	SW846-8260
Bromodichloromethane	UX	0.005 mg/L	0.005	SW846-8260
Bromoform	JUX	0.005 mg/L	0.005	SW846-8260
Bromomethane	UX	0.005 mg/L	0.005	SW846-8260
Carbon disulfide	UX	0.005 mg/L	0.005	SW846-8260
Carbon tetrachloride	UX	0.005 mg/L	0.005	SW846-8260
Chlorobenzene	UX	0.005 mg/L	0.005	SW846-8260
Chloroethane	UX	0.005 mg/L	0.005	SW846-8260
Chloromethane	UX	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	UX	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	UX	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	JUX	0.005 mg/L	0.005	SW846-8260
Dibromomethane	UX	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	UX	0.005 mg/L	0.005	SW846-8260
Ethyl methacrylate	JUX	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	UX	0.005 mg/L	0.005	SW846-8260
Iodomethane	UX	0.005 mg/L	0.005	SW846-8260
Methylene chloride	UX	0.01 mg/L	0.01	SW846-8260
Styrene	UX	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	UX	0.005 mg/L	0.005	SW846-8260
Toluene	UX	0.005 mg/L	0.005	SW846-8260
Total Xylene	UX	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	UX	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	UX	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	UX	0.005 mg/L	0.005	SW846-8260
Trichloroethene	X	0.006 mg/L	0.001	SW846-8260
Trichlorofluoromethane	UX	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JUX	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	UX	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Total Organic Carbon (TOC)	U	1.6 mg/L	1.6	SW846-9060
Total Organic Halides (TOX)	JUY	0.05 mg/L	0.05	SW846-9020B
Turbidity		16 NTU	0.5	EPA-180.1 1978

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MW220

SG00-04

C-746 S&T QUARTERLY-JULY SG00-04

MW220SG4-00

Collected: 7/17/2000

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		41.6	mg/L		2	SW846-9056
Nitrate as Nitrogen	*	1.5	mg/L		1	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		30	Inches/Hg			
Conductivity		365	umho/cm			
Depth to Water		57.55	ft			
Dissolved Oxygen		5.62	mg/L			
pH		6.2	Std Unit			
Temperature		63.3	deg F			
<b>METAL</b>						
Barium	B	0.214	mg/L		0.025	SW846-6010A
Beryllium	BU	0.005	mg/L		0.005	SW846-6010A
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium		0.026	mg/L		0.025	SW846-6010A
Cobalt	BU	0.025	mg/L		0.025	SW846-6010A
Copper	BU	0.025	mg/L		0.025	SW846-6010A
Iron	U	0.2	mg/L		0.2	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel		0.559	mg/L		0.025	SW846-6010A
Silver	BU	0.025	mg/L		0.025	SW846-6010A
Sodium		36.2	mg/L		2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.025	mg/L		0.025	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A
<b>METAL-D</b>						
Barium		0.218	mg/L		0.025	SW846-6010A
Chromium	U	0.025	mg/L		0.025	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		218	mg/L		50	EPA-160.2
<b>RADS</b>						
Alpha activity	U	2.33	pCi/L	1.34	4.06	EPA-900.0
Beta activity		15.89	pCi/L	2.92	7.02	EPA-900.0
Technetium-99	U	14.8	pCi/L	11.8	21.1	RL-7100
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JU	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L		0.01	SW846-8260

**MW220****SG00-04****C-746 S&T QUARTERLY-JULY SG00-04**

2-Hexanone	U	0.01 mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01 mg/L	0.01	SW846-8260
Acetone	U	0.01 mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01 mg/L	0.01	SW846-8260
Benzene	U	0.005 mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromoform	JU	0.005 mg/L	0.005	SW846-8260
Bromomethane	U	0.005 mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005 mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005 mg/L	0.005	SW846-8260
Chloroethane	U	0.005 mg/L	0.005	SW846-8260
Chloromethane	U	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	JU	0.005 mg/L	0.005	SW846-8260
Dibromomethane	U	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005 mg/L	0.005	SW846-8260
Ethyl methacrylate	JU	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	U	0.005 mg/L	0.005	SW846-8260
Methylene chloride	U	0.01 mg/L	0.01	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	NU	25 mg/L	25	EPA-410.4 1978
Total Organic Carbon (TOC)	U	1.6 mg/L	1.6	SW846-9060
Total Organic Halides (TOX)	JUY	0.05 mg/L	0.05	SW846-9020B
Turbidity		2.1 NTU	0.5	EPA-180.1 1978

**MW221**

**SG00-04**

**C-746 S&T QUARTERLY-JULY SG00-04**

**MW221SG4-00**

Collected: 7/18/2000

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		48.7	mg/L		2	SW846-9056
Nitrate as Nitrogen	*	1.7	mg/L		1	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		30.03	Inches/Hg			
Conductivity		412	umho/cm			
Depth to Water		67.72	ft			
Dissolved Oxygen		4.34	mg/L			
pH		6.09	Std Unit			
Temperature		65.4	deg F			
<b>METAL</b>						
Barium	B	0.246	mg/L		0.025	SW846-6010A
Beryllium	BU	0.005	mg/L		0.005	SW846-6010A
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium		0.045	mg/L		0.025	SW846-6010A
Cobalt	BU	0.025	mg/L		0.025	SW846-6010A
Copper	BU	0.025	mg/L		0.025	SW846-6010A
Iron		0.227	mg/L		0.2	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel		0.262	mg/L		0.025	SW846-6010A
Silver	BU	0.025	mg/L		0.025	SW846-6010A
Sodium		43.8	mg/L		2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.025	mg/L		0.025	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A
<b>METAL-D</b>						
Barium		0.244	mg/L		0.025	SW846-6010A
Chromium	U	0.025	mg/L		0.025	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		239	mg/L		50	EPA-160.2
<b>RADS</b>						
Alpha activity	U	3.94	pCi/L	1.97	4.14	EPA-900.0
Beta activity		13.58	pCi/L	2.64	7.14	EPA-900.0
Technetium-99	U	8.46	pCi/L	11.7	21.1	RL-7100
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	UX	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	UX	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	UX	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	UX	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	UX	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	UX	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JUX	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	UX	0.005	mg/L		0.005	SW846-8260
1,2-Dichlorobenzene	UX	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	UX	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	UX	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	UX	0.005	mg/L		0.005	SW846-8260
2-Butanone	UX	0.01	mg/L		0.01	SW846-8260
2-Chloroethyl vinyl ether	JUX	0.01	mg/L		0.01	SW846-8260

**MW221****SG00-04****C-746 S&T QUARTERLY-JULY SG00-04**

2-Hexanone	UX	0.01 mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	UX	0.01 mg/L	0.01	SW846-8260
Acetone	UX	0.01 mg/L	0.01	SW846-8260
Acrylonitrile	UX	0.01 mg/L	0.01	SW846-8260
Benzene	UX	0.005 mg/L	0.005	SW846-8260
Bromochloromethane	UX	0.005 mg/L	0.005	SW846-8260
Bromodichloromethane	UX	0.005 mg/L	0.005	SW846-8260
Bromoform	JUX	0.005 mg/L	0.005	SW846-8260
Bromomethane	UX	0.005 mg/L	0.005	SW846-8260
Carbon disulfide	UX	0.005 mg/L	0.005	SW846-8260
Carbon tetrachloride	UX	0.005 mg/L	0.005	SW846-8260
Chlorobenzene	UX	0.005 mg/L	0.005	SW846-8260
Chloroethane	UX	0.005 mg/L	0.005	SW846-8260
Chloromethane	UX	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	UX	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	UX	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	JUX	0.005 mg/L	0.005	SW846-8260
Dibromomethane	UX	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	UX	0.005 mg/L	0.005	SW846-8260
Ethyl methacrylate	JUX	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	UX	0.005 mg/L	0.005	SW846-8260
Iodomethane	UX	0.005 mg/L	0.005	SW846-8260
Methylene chloride	UX	0.01 mg/L	0.01	SW846-8260
Styrene	UX	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	UX	0.005 mg/L	0.005	SW846-8260
Toluene	UX	0.005 mg/L	0.005	SW846-8260
Total Xylene	UX	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	UX	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	UX	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	UX	0.005 mg/L	0.005	SW846-8260
Trichloroethene	X	0.003 mg/L	0.001	SW846-8260
Trichlorofluoromethane	UX	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JUX	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	UX	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Total Organic Carbon (TOC)	U	1.6 mg/L	1.6	SW846-9060
Total Organic Halides (TOX)	JUY	0.05 mg/L	0.05	SW846-9020B
Turbidity		2.2 NTU	0.5	EPA-180.1 1978

## MW222

## SG00-04

## C-746 S&amp;T QUARTERLY-JULY SG00-04

## MW222SG4-00

Collected: 7/19/2000

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		36.4	mg/L		2	SW846-9056
Nitrate as Nitrogen	*	1.1	mg/L		1	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.88	Inches/Hg			
Conductivity		385	umho/cm			
Depth to Water		71.6	ft			
Dissolved Oxygen		6.57	mg/L			
pH		6.34	Std Unit			
Temperature		68.2	deg F			
<b>METAL</b>						
Barium	B	0.334	mg/L		0.025	SW846-6010A
Beryllium	BU	0.005	mg/L		0.005	SW846-6010A
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium		0.093	mg/L		0.025	SW846-6010A
Cobalt	BU	0.025	mg/L		0.025	SW846-6010A
Copper	BU	0.025	mg/L		0.025	SW846-6010A
Iron		20.9	mg/L		0.2	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel		0.158	mg/L		0.025	SW846-6010A
Silver	BU	0.025	mg/L		0.025	SW846-6010A
Sodium		50.9	mg/L		2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.025	mg/L		0.025	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A
<b>METAL-D</b>						
Barium		0.275	mg/L		0.025	SW846-6010A
Chromium	U	0.025	mg/L		0.025	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		264	mg/L		50	EPA-160.2
<b>RADS</b>						
Alpha activity	U	2.98	pCi/L	1.54	4.27	EPA-900.0
Beta activity	U	6.26	pCi/L	1.37	7.4	EPA-900.0
Technetium-99	U	7.2	pCi/L	11.8	21.1	RL-7100
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	UX	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	UX	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	UX	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	UX	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	UX	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	UX	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JUX	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	UX	0.005	mg/L		0.005	SW846-8260
1,2-Dichlorobenzene	UX	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	UX	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	UX	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	UX	0.005	mg/L		0.005	SW846-8260
2-Butanone	UX	0.01	mg/L		0.01	SW846-8260
2-Chloroethyl vinyl ether	JUX	0.01	mg/L		0.01	SW846-8260

**MW222****SG00-04****C-746 S&T QUARTERLY-JULY SG00-04**

2-Hexanone	UX	0.01 mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	UX	0.01 mg/L	0.01	SW846-8260
Acetone	UX	0.01 mg/L	0.01	SW846-8260
Acrylonitrile	UX	0.01 mg/L	0.01	SW846-8260
Benzene	UX	0.005 mg/L	0.005	SW846-8260
Bromochloromethane	UX	0.005 mg/L	0.005	SW846-8260
Bromodichloromethane	UX	0.005 mg/L	0.005	SW846-8260
Bromoform	JUX	0.005 mg/L	0.005	SW846-8260
Bromomethane	UX	0.005 mg/L	0.005	SW846-8260
Carbon disulfide	UX	0.005 mg/L	0.005	SW846-8260
Carbon tetrachloride	UX	0.005 mg/L	0.005	SW846-8260
Chlorobenzene	UX	0.005 mg/L	0.005	SW846-8260
Chloroethane	UX	0.005 mg/L	0.005	SW846-8260
Chloromethane	UX	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	UX	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	UX	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	JUX	0.005 mg/L	0.005	SW846-8260
Dibromomethane	UX	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	UX	0.005 mg/L	0.005	SW846-8260
Ethyl methacrylate	JUX	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	UX	0.005 mg/L	0.005	SW846-8260
Iodomethane	UX	0.005 mg/L	0.005	SW846-8260
Methylene chloride	UX	0.01 mg/L	0.01	SW846-8260
Styrene	UX	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	UX	0.005 mg/L	0.005	SW846-8260
Toluene	UX	0.005 mg/L	0.005	SW846-8260
Total Xylene	UX	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	UX	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	UX	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	UX	0.005 mg/L	0.005	SW846-8260
Trichloroethene	UX	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	UX	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JUX	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	UX	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	NU	25 mg/L	25	EPA-410.4 1978
Total Organic Carbon (TOC)	U	1.6 mg/L	1.6	SW846-9060
Total Organic Halides (TOX)	JUY	0.05 mg/L	0.05	SW846-9020B
Turbidity		240 NTU	0.5	EPA-180.1 1978



MW223

SG00-04

C-746 S&amp;T QUARTERLY-JULY SG00-04

MW223SG4-00

Collected: 7/19/2000

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		44.4	mg/L		2	SW846-9056
Nitrate as Nitrogen	*	2	mg/L		1	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.88	Inches/Hg			
Conductivity		404	umho/cm			
Depth to Water		70.69	ft			
Dissolved Oxygen		2.85	mg/L			
pH		6.27	Std Unit			
Temperature		64.7	deg F			
<b>METAL</b>						
Barium	B	0.229	mg/L		0.025	SW846-6010A
Beryllium	BU	0.005	mg/L		0.005	SW846-6010A
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium		0.084	mg/L		0.025	SW846-6010A
Cobalt	BU	0.025	mg/L		0.025	SW846-6010A
Copper	BU	0.025	mg/L		0.025	SW846-6010A
Iron		0.961	mg/L		0.2	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel		0.701	mg/L		0.025	SW846-6010A
Silver	BU	0.025	mg/L		0.025	SW846-6010A
Sodium		46.7	mg/L		2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.025	mg/L		0.025	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A
<b>METAL-D</b>						
Barium		0.217	mg/L		0.025	SW846-6010A
Chromium	U	0.025	mg/L		0.025	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		237	mg/L		50	EPA-160.2
<b>RADS</b>						
Alpha activity	U	1.87	pCi/L	0.89	4.41	EPA-900.0
Beta activity		12.03	pCi/L	2.31	7.64	EPA-900.0
Technetium-99	U	5.77	pCi/L	11.7	21.1	RL-7100
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	UX	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	UX	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	UX	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	UX	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	UX	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	UX	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JUX	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	UX	0.005	mg/L		0.005	SW846-8260
1,2-Dichlorobenzene	UX	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	UX	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	UX	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	UX	0.005	mg/L		0.005	SW846-8260
2-Butanone	UX	0.01	mg/L		0.01	SW846-8260
2-Chloroethyl vinyl ether	JUX	0.01	mg/L		0.01	SW846-8260

**MW223****SG00-04****C-746 S&T QUARTERLY-JULY SG00-04**

2-Hexanone	UX	0.01 mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	UX	0.01 mg/L	0.01	SW846-8260
Acetone	UX	0.01 mg/L	0.01	SW846-8260
Acrylonitrile	UX	0.01 mg/L	0.01	SW846-8260
Benzene	UX	0.005 mg/L	0.005	SW846-8260
Bromochloromethane	UX	0.005 mg/L	0.005	SW846-8260
Bromodichloromethane	UX	0.005 mg/L	0.005	SW846-8260
Bromoform	JUX	0.005 mg/L	0.005	SW846-8260
Bromomethane	UX	0.005 mg/L	0.005	SW846-8260
Carbon disulfide	UX	0.005 mg/L	0.005	SW846-8260
Carbon tetrachloride	UX	0.005 mg/L	0.005	SW846-8260
Chlorobenzene	UX	0.005 mg/L	0.005	SW846-8260
Chloroethane	UX	0.005 mg/L	0.005	SW846-8260
Chloromethane	UX	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	UX	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	UX	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	JUX	0.005 mg/L	0.005	SW846-8260
Dibromomethane	UX	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	UX	0.005 mg/L	0.005	SW846-8260
Ethyl methacrylate	JUX	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	UX	0.005 mg/L	0.005	SW846-8260
Iodomethane	UX	0.005 mg/L	0.005	SW846-8260
Methylene chloride	UX	0.01 mg/L	0.01	SW846-8260
Styrene	UX	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	UX	0.005 mg/L	0.005	SW846-8260
Toluene	UX	0.005 mg/L	0.005	SW846-8260
Total Xylene	UX	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	UX	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	UX	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	UX	0.005 mg/L	0.005	SW846-8260
Trichloroethene	UX	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	UX	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JUX	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	UX	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	NU	25 mg/L	25	EPA-410.4 1978
Total Organic Carbon (TOC)	U	1.6 mg/L	1.6	SW846-9060
Total Organic Halides (TOX)	JUY	0.05 mg/L	0.05	SW846-9020B
Turbidity		12 NTU	0.5	EPA-180.1 1978

**MW224**

**SG00-04**

**C-746 S&T QUARTERLY-JULY SG00-04**

**MW224SG4-00**

Collected: 7/19/2000

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		40.2	mg/L		2	SW846-9056
Nitrate as Nitrogen	*	1.6	mg/L		1	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.88	Inches/Hg			
Conductivity		438	umho/cm			
Depth to Water		71.95	ft			
Dissolved Oxygen		4.74	mg/L			
pH		6.15	Std Unit			
Temperature		64.9	deg F			
<b>METAL</b>						
Barium	B	0.236	mg/L		0.025	SW846-6010A
Beryllium	BU	0.005	mg/L		0.005	SW846-6010A
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.025	mg/L		0.025	SW846-6010A
Cobalt	BU	0.025	mg/L		0.025	SW846-6010A
Copper	BU	0.025	mg/L		0.025	SW846-6010A
Iron	U	0.2	mg/L		0.2	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel	U	0.025	mg/L		0.025	SW846-6010A
Silver	BU	0.025	mg/L		0.025	SW846-6010A
Sodium		48.9	mg/L		2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.025	mg/L		0.025	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A
<b>METAL-D</b>						
Barium		0.242	mg/L		0.025	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		260	mg/L		50	EPA-160.2
<b>RADS</b>						
Alpha activity	U	2.13	pCi/L	1.23	4.56	EPA-900.0
Beta activity	U	6.28	pCi/L	1.4	7.9	EPA-900.0
Technetium-99	U	11.3	pCi/L	11.9	21.1	RL-7100
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	UX	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	UX	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	UX	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	UX	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	UX	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	UX	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JUX	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	UX	0.005	mg/L		0.005	SW846-8260
1,2-Dichlorobenzene	UX	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	UX	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	UX	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	UX	0.005	mg/L		0.005	SW846-8260
2-Butanone	UX	0.01	mg/L		0.01	SW846-8260
2-Chloroethyl vinyl ether	JUX	0.01	mg/L		0.01	SW846-8260
2-Hexanone	UX	0.01	mg/L		0.01	SW846-8260

**MW224****SG00-04****C-746 S&T QUARTERLY-JULY SG00-04**

4-Methyl-2-pentanone	UX	0.01 mg/L	0.01	SW846-8260
Acetone	UX	0.01 mg/L	0.01	SW846-8260
Acrylonitrile	UX	0.01 mg/L	0.01	SW846-8260
Benzene	UX	0.005 mg/L	0.005	SW846-8260
Bromochloromethane	UX	0.005 mg/L	0.005	SW846-8260
Bromodichloromethane	UX	0.005 mg/L	0.005	SW846-8260
Bromoform	JUX	0.005 mg/L	0.005	SW846-8260
Bromomethane	UX	0.005 mg/L	0.005	SW846-8260
Carbon disulfide	UX	0.005 mg/L	0.005	SW846-8260
Carbon tetrachloride	UX	0.005 mg/L	0.005	SW846-8260
Chlorobenzene	UX	0.005 mg/L	0.005	SW846-8260
Chloroethane	UX	0.005 mg/L	0.005	SW846-8260
Chloromethane	UX	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	UX	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	UX	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	JUX	0.005 mg/L	0.005	SW846-8260
Dibromomethane	UX	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	UX	0.005 mg/L	0.005	SW846-8260
Ethyl methacrylate	JUX	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	UX	0.005 mg/L	0.005	SW846-8260
Iodomethane	UX	0.005 mg/L	0.005	SW846-8260
Methylene chloride	UX	0.01 mg/L	0.01	SW846-8260
Styrene	UX	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	UX	0.005 mg/L	0.005	SW846-8260
Toluene	UX	0.005 mg/L	0.005	SW846-8260
Total Xylene	UX	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	UX	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	UX	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	UX	0.005 mg/L	0.005	SW846-8260
Trichloroethene	X	0.002 mg/L	0.001	SW846-8260
Trichlorofluoromethane	UX	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JUX	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	UX	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	NU	25 mg/L	25	EPA-410.4 1978
Total Organic Carbon (TOC)	U	1.6 mg/L	1.6	SW846-9060
Total Organic Halides (TOX)	JUY	0.05 mg/L	0.05	SW846-9020B
Turbidity	U	0.5 NTU	0.5	EPA-180.1 1978

## MW263

## SG00-04

## C-746 S&amp;T QUARTERLY-JULY SG00-04

## MW263SG4-00

Collected: 7/18/2000

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		45.4	mg/L		2	SW846-9056
Nitrate as Nitrogen	*U	1	mg/L		1	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		30.03	Inches/Hg			
Conductivity		529	umho/cm			
Depth to Water		35.91	ft			
Dissolved Oxygen		1.66	mg/L			
pH		6.18	Std Unit			
Temperature		64.1	deg F			
<b>METAL</b>						
Barium	B	0.067	mg/L		0.025	SW846-6010A
Beryllium	BU	0.005	mg/L		0.005	SW846-6010A
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium		0.346	mg/L		0.025	SW846-6010A
Cobalt	BU	0.025	mg/L		0.025	SW846-6010A
Copper	BU	0.025	mg/L		0.025	SW846-6010A
Iron		2.29	mg/L		0.2	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel	U	0.025	mg/L		0.025	SW846-6010A
Silver	BU	0.025	mg/L		0.025	SW846-6010A
Sodium		46.7	mg/L		2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.025	mg/L		0.025	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A
<b>METAL-D</b>						
Barium		0.061	mg/L		0.025	SW846-6010A
Chromium	U	0.025	mg/L		0.025	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		306	mg/L		50	EPA-160.2
<b>RADS</b>						
Alpha activity	U	2.87	pCi/L	1.59	4.67	EPA-900.0
Beta activity		29.05	pCi/L	4.55	8.02	EPA-900.0
Technetium-99	U	18	pCi/L	12	21.1	RL-7100
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	UX	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	UX	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	UX	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	UX	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	UX	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	UX	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JUX	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	UX	0.005	mg/L		0.005	SW846-8260
1,2-Dichlorobenzene	UX	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	UX	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	UX	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	UX	0.005	mg/L		0.005	SW846-8260
2-Butanone	UX	0.01	mg/L		0.01	SW846-8260
2-Chloroethyl vinyl ether	JUX	0.01	mg/L		0.01	SW846-8260

**MW263****SG00-04****C-746 S&T QUARTERLY-JULY SG00-04**

2-Hexanone	UX	0.01 mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	UX	0.01 mg/L	0.01	SW846-8260
Acetone	UX	0.01 mg/L	0.01	SW846-8260
Acrylonitrile	UX	0.01 mg/L	0.01	SW846-8260
Benzene	UX	0.005 mg/L	0.005	SW846-8260
Bromochloromethane	UX	0.005 mg/L	0.005	SW846-8260
Bromodichloromethane	UX	0.005 mg/L	0.005	SW846-8260
Bromoform	JUX	0.005 mg/L	0.005	SW846-8260
Bromomethane	UX	0.005 mg/L	0.005	SW846-8260
Carbon disulfide	UX	0.005 mg/L	0.005	SW846-8260
Carbon tetrachloride	UX	0.005 mg/L	0.005	SW846-8260
Chlorobenzene	UX	0.005 mg/L	0.005	SW846-8260
Chloroethane	UX	0.005 mg/L	0.005	SW846-8260
Chloromethane	UX	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	UX	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	UX	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	JUX	0.005 mg/L	0.005	SW846-8260
Dibromomethane	UX	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	UX	0.005 mg/L	0.005	SW846-8260
Ethyl methacrylate	JUX	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	UX	0.005 mg/L	0.005	SW846-8260
Iodomethane	UX	0.005 mg/L	0.005	SW846-8260
Methylene chloride	UX	0.01 mg/L	0.01	SW846-8260
Styrene	UX	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	UX	0.005 mg/L	0.005	SW846-8260
Toluene	UX	0.005 mg/L	0.005	SW846-8260
Total Xylene	UX	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	UX	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	UX	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	UX	0.005 mg/L	0.005	SW846-8260
Trichloroethene	X	0.016 mg/L	0.001	SW846-8260
Trichlorofluoromethane	UX	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JUX	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	UX	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Total Organic Carbon (TOC)	U	1.6 mg/L	1.6	SW846-9060
Total Organic Halides (TOX)	JUY	0.05 mg/L	0.05	SW846-9020B
Turbidity		9.2 NTU	0.5	EPA-180.1 1978

## MW264

## SG00-04

## C-746 S&amp;T QUARTERLY-JULY SG00-04

## MW264SG4-00

Collected: 7/18/2000

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		38.7	mg/L		2	SW846-9056
Nitrate as Nitrogen	*U	1	mg/L		1	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		30.03	Inches/Hg			
Conductivity		516	umho/cm			
Depth to Water		41.4	ft			
Dissolved Oxygen		1.02	mg/L			
pH		6.28	Std Unit			
Temperature		64.3	deg F			
<b>METAL</b>						
Barium	B	0.156	mg/L		0.025	SW846-6010A
Beryllium	BU	0.005	mg/L		0.005	SW846-6010A
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.025	mg/L		0.025	SW846-6010A
Cobalt	BU	0.025	mg/L		0.025	SW846-6010A
Copper	BU	0.025	mg/L		0.025	SW846-6010A
Iron		0.624	mg/L		0.2	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel	U	0.025	mg/L		0.025	SW846-6010A
Silver	BU	0.025	mg/L		0.025	SW846-6010A
Sodium		44.2	mg/L		2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.025	mg/L		0.025	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A
<b>METAL-D</b>						
Barium		0.146	mg/L		0.025	SW846-6010A
<b>PHYSIC</b>						
Dissolved Solids		291	mg/L		50	EPA-160.2
<b>RADS</b>						
Alpha activity	U	3.55	pCi/L	1.9	4.59	EPA-900.0
Beta activity		10	pCi/L	2.17	7.89	EPA-900.0
Technetium-99	U	2.63	pCi/L	11.4	21.1	RL-7100
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	UX	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	UX	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	UX	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	UX	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	UX	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	UX	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JUX	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	UX	0.005	mg/L		0.005	SW846-8260
1,2-Dichlorobenzene	UX	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	UX	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	UX	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	UX	0.005	mg/L		0.005	SW846-8260
2-Butanone	UX	0.01	mg/L		0.01	SW846-8260
2-Chloroethyl vinyl ether	JUX	0.01	mg/L		0.01	SW846-8260
2-Hexanone	UX	0.01	mg/L		0.01	SW846-8260

**MW264****SG00-04****C-746 S&T QUARTERLY-JULY SG00-04**

4-Methyl-2-pentanone	UX	0.01 mg/L	0.01	SW846-8260
Acetone	UX	0.01 mg/L	0.01	SW846-8260
Acrylonitrile	UX	0.01 mg/L	0.01	SW846-8260
Benzene	UX	0.005 mg/L	0.005	SW846-8260
Bromochloromethane	UX	0.005 mg/L	0.005	SW846-8260
Bromodichloromethane	UX	0.005 mg/L	0.005	SW846-8260
Bromoform	JUX	0.005 mg/L	0.005	SW846-8260
Bromomethane	UX	0.005 mg/L	0.005	SW846-8260
Carbon disulfide	UX	0.005 mg/L	0.005	SW846-8260
Carbon tetrachloride	UX	0.005 mg/L	0.005	SW846-8260
Chlorobenzene	UX	0.005 mg/L	0.005	SW846-8260
Chloroethane	UX	0.005 mg/L	0.005	SW846-8260
Chloromethane	UX	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	UX	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	UX	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	JUX	0.005 mg/L	0.005	SW846-8260
Dibromomethane	UX	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	UX	0.005 mg/L	0.005	SW846-8260
Ethyl methacrylate	JUX	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	UX	0.005 mg/L	0.005	SW846-8260
Iodomethane	UX	0.005 mg/L	0.005	SW846-8260
Methylene chloride	UX	0.01 mg/L	0.01	SW846-8260
Styrene	UX	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	UX	0.005 mg/L	0.005	SW846-8260
Toluene	UX	0.005 mg/L	0.005	SW846-8260
Total Xylene	UX	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	UX	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	UX	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	UX	0.005 mg/L	0.005	SW846-8260
Trichloroethene	X	0.003 mg/L	0.001	SW846-8260
Trichlorofluoromethane	UX	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JUX	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	UX	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	NU	25 mg/L	25	EPA-410.4 1978
Total Organic Carbon (TOC)	U	1.6 mg/L	1.6	SW846-9060
Total Organic Halides (TOX)	JUY	0.05 mg/L	0.05	SW846-9020B
Turbidity		5.9 NTU	0.5	EPA-180.1 1978



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MW265

SG00-04

C-746 S&T QUARTERLY-JULY SG00-04

MW265SG4-00

Collected: 7/18/2000

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		33.4	mg/L		2	SW846-9056
Nitrate as Nitrogen	*U	1	mg/L		1	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		30.03	Inches/Hg			
Conductivity		361	umho/cm			
Depth to Water		44.55	ft			
Dissolved Oxygen		1.65	mg/L			
pH		6.27	Std Unit			
Temperature		64.4	deg F			
<b>METAL</b>						
Barium	B	0.234	mg/L		0.025	SW846-6010A
Beryllium	BU	0.005	mg/L		0.005	SW846-6010A
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium		1.33	mg/L		0.025	SW846-6010A
Cobalt	BU	0.025	mg/L		0.025	SW846-6010A
Copper	B	0.048	mg/L		0.025	SW846-6010A
Iron		8.32	mg/L		0.2	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel		0.106	mg/L		0.025	SW846-6010A
Silver	BU	0.025	mg/L		0.025	SW846-6010A
Sodium		42.4	mg/L		2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.025	mg/L		0.025	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A
<b>METAL-D</b>						
Barium		0.208	mg/L		0.025	SW846-6010A
Chromium	U	0.025	mg/L		0.025	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		203	mg/L		50	EPA-160.2
<b>RADS</b>						
Alpha activity	U	3.11	pCi/L	1.66	3.99	EPA-900.0
Beta activity		7.86	pCi/L	1.75	6.89	EPA-900.0
Technetium-99	U	0.686	pCi/L	11.7	21.1	RL-7100
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JU	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L		0.01	SW846-8260

**MW265****SG00-04****C-746 S&T QUARTERLY-JULY SG00-04**

2-Hexanone	U	0.01 mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01 mg/L	0.01	SW846-8260
Acetone	U	0.01 mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01 mg/L	0.01	SW846-8260
Benzene	U	0.005 mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromoform	JU	0.005 mg/L	0.005	SW846-8260
Bromomethane	U	0.005 mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005 mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005 mg/L	0.005	SW846-8260
Chloroethane	U	0.005 mg/L	0.005	SW846-8260
Chloromethane	U	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	JU	0.005 mg/L	0.005	SW846-8260
Dibromomethane	U	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005 mg/L	0.005	SW846-8260
Ethyl methacrylate	JU	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	U	0.005 mg/L	0.005	SW846-8260
Methylene chloride	U	0.01 mg/L	0.01	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene		0.004 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Total Organic Carbon (TOC)	U	1.6 mg/L	1.6	SW846-9060
Total Organic Halides (TOX)	JUY	0.05 mg/L	0.05	SW846-9020B
Turbidity		50 NTU	0.5	EPA-180.1 1978

## MW266

## SG00-04

## C-746 S&amp;T QUARTERLY-JULY SG00-04

## MW266SG4-00

Collected: 7/18/2000

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		41.2	mg/L		2	SW846-9056
Nitrate as Nitrogen	*	1.1	mg/L		1	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		30.03	Inches/Hg			
Conductivity		500	umho/cm			
Depth to Water		41.18	ft			
Dissolved Oxygen		2.29	mg/L			
pH		6.1	Std Unit			
Temperature		64.4	deg F			
<b>METAL</b>						
Barium	B	0.05	mg/L		0.025	SW846-6010A
Beryllium	BU	0.005	mg/L		0.005	SW846-6010A
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium		0.614	mg/L		0.025	SW846-6010A
Cobalt	BU	0.025	mg/L		0.025	SW846-6010A
Copper	BU	0.025	mg/L		0.025	SW846-6010A
Iron		5.71	mg/L		0.2	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel		0.086	mg/L		0.025	SW846-6010A
Silver	BU	0.025	mg/L		0.025	SW846-6010A
Sodium		34.8	mg/L		2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.025	mg/L		0.025	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A
<b>METAL-D</b>						
Barium		0.045	mg/L		0.025	SW846-6010A
Chromium	U	0.025	mg/L		0.025	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		297	mg/L		50	EPA-160.2
<b>RADS</b>						
Alpha activity	U	3.78	pCi/L	1.95	4.56	EPA-900.0
Beta activity		18.17	pCi/L	3.32	7.84	EPA-900.0
Technetium-99	U	1.09	pCi/L	11.2	21.1	RL-7100
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JU	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L		0.01	SW846-8260

**MW266****SG00-04****C-746 S&T QUARTERLY-JULY SG00-04**

2-Hexanone	U	0.01 mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01 mg/L	0.01	SW846-8260
Acetone	U	0.01 mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01 mg/L	0.01	SW846-8260
Benzene	U	0.005 mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromoform	JU	0.005 mg/L	0.005	SW846-8260
Bromomethane	U	0.005 mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005 mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005 mg/L	0.005	SW846-8260
Chloroethane	U	0.005 mg/L	0.005	SW846-8260
Chloromethane	U	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	JU	0.005 mg/L	0.005	SW846-8260
Dibromomethane	U	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005 mg/L	0.005	SW846-8260
Ethyl methacrylate	JU	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	U	0.005 mg/L	0.005	SW846-8260
Methylene chloride	U	0.01 mg/L	0.01	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene		0.005 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Total Organic Carbon (TOC)	U	1.6 mg/L	1.6	SW846-9060
Total Organic Halides (TOX)	JUY	0.05 mg/L	0.05	SW846-9020B
Turbidity		30 NTU	0.5	EPA-180.1 1978

MW267

SG00-04

C-746 S&amp;T QUARTERLY-JULY SG00-04

MW267SG4-00

Collected: 7/17/2000

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		57.1	mg/L		2	SW846-9056
Nitrate as Nitrogen	*	2.4	mg/L		1	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		30	Inches/Hg			
Conductivity		404	umho/cm			
Depth to Water		56.45	ft			
Dissolved Oxygen		3.63	mg/L			
pH		6.08	Std Unit			
Temperature		63	deg F			
<b>METAL</b>						
Barium	B	0.246	mg/L		0.025	SW846-6010A
Beryllium	BU	0.005	mg/L		0.005	SW846-6010A
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium		0.395	mg/L		0.025	SW846-6010A
Cobalt	BU	0.025	mg/L		0.025	SW846-6010A
Copper	BU	0.025	mg/L		0.025	SW846-6010A
Iron		1.74	mg/L		0.2	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel	U	0.025	mg/L		0.025	SW846-6010A
Silver	BU	0.025	mg/L		0.025	SW846-6010A
Sodium		42.1	mg/L		2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.025	mg/L		0.025	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A
<b>METAL-D</b>						
Barium		0.217	mg/L		0.025	SW846-6010A
Chromium	U	0.025	mg/L		0.025	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		236	mg/L		50	EPA-160.2
<b>RADS</b>						
Alpha activity	U	0.86	pCi/L	0.61	4.09	EPA-900.0
Beta activity		15.73	pCi/L	2.91	7.06	EPA-900.0
Technetium-99	U	10.7	pCi/L	11.7	21.1	RL-7100
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	UX	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	UX	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	UX	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	UX	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	UX	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	UX	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JUX	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	UX	0.005	mg/L		0.005	SW846-8260
1,2-Dichlorobenzene	UX	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	UX	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	UX	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	UX	0.005	mg/L		0.005	SW846-8260
2-Butanone	UX	0.01	mg/L		0.01	SW846-8260
2-Chloroethyl vinyl ether	JUX	0.01	mg/L		0.01	SW846-8260

**MW267****SG00-04****C-746 S&T QUARTERLY-JULY SG00-04**

2-Hexanone	UX	0.01 mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	UX	0.01 mg/L	0.01	SW846-8260
Acetone	UX	0.01 mg/L	0.01	SW846-8260
Acrylonitrile	UX	0.01 mg/L	0.01	SW846-8260
Benzene	UX	0.005 mg/L	0.005	SW846-8260
Bromochloromethane	UX	0.005 mg/L	0.005	SW846-8260
Bromodichloromethane	UX	0.005 mg/L	0.005	SW846-8260
Bromoform	JUX	0.005 mg/L	0.005	SW846-8260
Bromomethane	UX	0.005 mg/L	0.005	SW846-8260
Carbon disulfide	UX	0.005 mg/L	0.005	SW846-8260
Carbon tetrachloride	UX	0.005 mg/L	0.005	SW846-8260
Chlorobenzene	UX	0.005 mg/L	0.005	SW846-8260
Chloroethane	UX	0.005 mg/L	0.005	SW846-8260
Chloromethane	UX	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	UX	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	UX	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	JUX	0.005 mg/L	0.005	SW846-8260
Dibromomethane	UX	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	UX	0.005 mg/L	0.005	SW846-8260
Ethyl methacrylate	JUX	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	UX	0.005 mg/L	0.005	SW846-8260
Iodomethane	UX	0.005 mg/L	0.005	SW846-8260
Methylene chloride	UX	0.01 mg/L	0.01	SW846-8260
Styrene	UX	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	UX	0.005 mg/L	0.005	SW846-8260
Toluene	UX	0.005 mg/L	0.005	SW846-8260
Total Xylene	UX	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	UX	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	UX	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	UX	0.005 mg/L	0.005	SW846-8260
Trichloroethene	UX	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	UX	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JUX	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	UX	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	NU	25 mg/L	25	EPA-410.4 1978
Total Organic Carbon (TOC)	U	1.6 mg/L	1.6	SW846-9060
Total Organic Halides (TOX)	JUY	0.05 mg/L	0.05	SW846-9020B
Turbidity		4.4 NTU	0.5	EPA-180.1 1978

MW267

SG00-04

C-746 S&amp;T QUARTERLY-JULY SG00-04

MW267DSG4-00

Collected: 7/17/2000

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		56.5	mg/L		2	SW846-9056
Nitrate as Nitrogen	*	2.4	mg/L		1	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		30	Inches/Hg			
Conductivity		404	umho/cm			
Depth to Water		56.45	ft			
Dissolved Oxygen		3.63	mg/L			
pH		6.08	Std Unit			
Temperature		63	deg F			
<b>METAL</b>						
Barium	B	0.22	mg/L		0.025	SW846-6010A
Beryllium	BU	0.005	mg/L		0.005	SW846-6010A
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium		0.077	mg/L		0.025	SW846-6010A
Cobalt	BU	0.025	mg/L		0.025	SW846-6010A
Copper	BU	0.025	mg/L		0.025	SW846-6010A
Iron		0.315	mg/L		0.2	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel	U	0.025	mg/L		0.025	SW846-6010A
Silver	BU	0.025	mg/L		0.025	SW846-6010A
Sodium		40.3	mg/L		2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.025	mg/L		0.025	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A
<b>METAL-D</b>						
Barium		0.215	mg/L		0.025	SW846-6010A
Chromium	U	0.025	mg/L		0.025	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		223	mg/L		50	EPA-160.2
<b>RADS</b>						
Alpha activity	U	2.96	pCi/L	1.58	4.05	EPA-900.0
Beta activity		15.58	pCi/L	2.88	6.99	EPA-900.0
Technetium-99	U	7.95	pCi/L	11.5	21.1	RL-7100
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JU	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L		0.01	SW846-8260

**MW267****SG00-04****C-746 S&T QUARTERLY-JULY SG00-04**

2-Hexanone	U	0.01 mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01 mg/L	0.01	SW846-8260
Acetone	U	0.01 mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01 mg/L	0.01	SW846-8260
Benzene	U	0.005 mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromoform	JU	0.005 mg/L	0.005	SW846-8260
Bromomethane	U	0.005 mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005 mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005 mg/L	0.005	SW846-8260
Chloroethane	U	0.005 mg/L	0.005	SW846-8260
Chloromethane	U	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	JU	0.005 mg/L	0.005	SW846-8260
Dibromomethane	U	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005 mg/L	0.005	SW846-8260
Ethyl methacrylate	JU	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	U	0.005 mg/L	0.005	SW846-8260
Methylene chloride	U	0.01 mg/L	0.01	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Total Organic Carbon (TOC)	U	1.6 mg/L	1.6	SW846-9060
Total Organic Halides (TOX)	JUY	0.05 mg/L	0.05	SW846-9020B
Turbidity		2.4 NTU	0.5	EPA-180.1 1978



# Paducah-OREIS Data Report

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12/18/2007

**MW179**

**SG01-01**

## C-746 S&T QUARTERLY - OCTOBER SG01-01

**MW179SG1-01**

Collected: 10/4/2000

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		35.7	mg/L		2	SW846-9056
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		30.03	Inches/Hg			
Conductivity		829	umho/cm			
Depth to Water		36.7	ft			
Dissolved Oxygen		2.29	mg/L			
pH		6.09	Std Unit			
Temperature		65.1	deg F			
<b>METAL</b>						
Barium	B	0.026	mg/L		0.025	SW846-6010A
Beryllium	BU	0.005	mg/L		0.005	SW846-6010A
Cadmium	UW	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.025	mg/L		0.025	SW846-6010A
Cobalt	U	0.025	mg/L		0.025	SW846-6010A
Copper	BU	0.025	mg/L		0.025	SW846-6010A
Iron		0.233	mg/L		0.2	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel	U	0.025	mg/L		0.025	SW846-6010A
Silver	BU	0.025	mg/L		0.025	SW846-6010A
Sodium	N	57.2	mg/L		2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.025	mg/L		0.025	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A
<b>METAL-D</b>						
Barium, Dissolved	U	0.025	mg/L		0.025	SW846-6010A
Chromium, Dissolved	U	0.025	mg/L		0.025	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		478	mg/L		50	EPA-160.2
<b>RADS</b>						
Alpha activity	U	1.19	pCi/L	0.69	9.42	EPA-900.0
Beta activity		22.2	pCi/L	4.12	11.46	EPA-900.0
Technetium-99		21.3	pCi/L	12.8	18.2	RL-7100
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260

## MW179

## SG01-01

## C-746 S&amp;T QUARTERLY - OCTOBER SG01-01

4-Methyl-2-pentanone	U	0.01 mg/L	0.01	SW846-8260
Acetone	U	0.01 mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01 mg/L	0.01	SW846-8260
Benzene	U	0.005 mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromoform	U	0.005 mg/L	0.005	SW846-8260
Bromomethane	JU	0.005 mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005 mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005 mg/L	0.005	SW846-8260
Chloroethane	U	0.005 mg/L	0.005	SW846-8260
Chloromethane	U	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Dibromomethane	U	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005 mg/L	0.005	SW846-8260
Ethyl methacrylate	JU	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	JU	0.005 mg/L	0.005	SW846-8260
Methylene chloride	JU	0.01 mg/L	0.01	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene		0.005 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Total Organic Carbon (TOC)	U	1.6 mg/L	1.6	SW846-9060
Total Organic Halides (TOX)	UX	0.05 mg/L	0.05	SW846-9020B
Turbidity		3.3 NTU	0.5	EPA-180.1 1978

MW220

SG01-01

C-746 S&T QUARTERLY - OCTOBER SG01-01

MW220SG1-01

Collected: 10/4/2000

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		37.7	mg/L		2	SW846-9056
Nitrate as Nitrogen		1.3	mg/L		1	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		30.03	Inches/Hg			
Conductivity		389	umho/cm			
Depth to Water		58.39	ft			
Dissolved Oxygen		4.85	mg/L			
pH		6.2	Std Unit			
Temperature		63.7	deg F			
<b>METAL</b>						
Barium		0.204	mg/L		0.025	SW846-6010A
Beryllium	BU	0.005	mg/L		0.005	SW846-6010A
Cadmium	UW	0.005	mg/L		0.005	SW846-7131
Chromium		0.033	mg/L		0.025	SW846-6010A
Cobalt	U	0.025	mg/L		0.025	SW846-6010A
Copper	BU	0.025	mg/L		0.025	SW846-6010A
Iron	U	0.2	mg/L		0.2	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel		0.407	mg/L		0.025	SW846-6010A
Silver	BU	0.025	mg/L		0.025	SW846-6010A
Sodium	N	37.1	mg/L		2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.025	mg/L		0.025	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A
<b>METAL-D</b>						
Barium, Dissolved		0.198	mg/L		0.025	SW846-6010A
Chromium, Dissolved	U	0.025	mg/L		0.025	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		221	mg/L		50	EPA-160.2
<b>RADS</b>						
Alpha activity	U	1.57	pCi/L	0.81	5.63	EPA-900.0
Beta activity		20.69	pCi/L	3.39	7.18	EPA-900.0
Technetium-99	U	15.9	pCi/L	12.5	18.2	RL-7100
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L		0.01	SW846-8260

**MW220****SG01-01****C-746 S&T QUARTERLY - OCTOBER SG01-01**

4-Methyl-2-pentanone	JU	0.01 mg/L	0.01	SW846-8260
Acetone	U	0.01 mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01 mg/L	0.01	SW846-8260
Benzene	U	0.005 mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromoform	U	0.005 mg/L	0.005	SW846-8260
Bromomethane	JU	0.005 mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005 mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005 mg/L	0.005	SW846-8260
Chloroethane	U	0.005 mg/L	0.005	SW846-8260
Chloromethane	U	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Dibromomethane	U	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	JU	0.005 mg/L	0.005	SW846-8260
Methylene chloride	JU	0.01 mg/L	0.01	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Total Organic Carbon (TOC)	U	1.6 mg/L	1.6	SW846-9060
Total Organic Halides (TOX)	UX	0.05 mg/L	0.05	SW846-9020B
Turbidity		3.7 NTU	0.5	EPA-180.1 1978

## MW221

## SG01-01

## C-746 S&amp;T QUARTERLY - OCTOBER SG01-01

## MW221SG1-01

Collected: 10/4/2000

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		47.3	mg/L		2	SW846-9056
Nitrate as Nitrogen		1.7	mg/L		1	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		30.03	Inches/Hg			
Conductivity		429	umho/cm			
Depth to Water		68.22	ft			
Dissolved Oxygen		5.09	mg/L			
pH		6.09	Std Unit			
Temperature		65.4	deg F			
<b>METAL</b>						
Barium		0.236	mg/L		0.025	SW846-6010A
Beryllium	BU	0.005	mg/L		0.005	SW846-6010A
Cadmium	UW	0.005	mg/L		0.005	SW846-7131
Chromium		0.059	mg/L		0.025	SW846-6010A
Cobalt	U	0.025	mg/L		0.025	SW846-6010A
Copper	BU	0.025	mg/L		0.025	SW846-6010A
Iron		0.489	mg/L		0.2	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel		0.201	mg/L		0.025	SW846-6010A
Silver	BU	0.025	mg/L		0.025	SW846-6010A
Sodium	N	44	mg/L		2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.025	mg/L		0.025	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A
<b>METAL-D</b>						
Barium, Dissolved		0.229	mg/L		0.025	SW846-6010A
Chromium, Dissolved	U	0.025	mg/L		0.025	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids	*	206	mg/L		50	EPA-160.2
<b>RADS</b>						
Alpha activity		9.18	pCi/L	3.02	5.76	EPA-900.0
Beta activity		15.88	pCi/L	2.85	7.35	EPA-900.0
Technetium-99	U	13.9	pCi/L	12.5	18.2	RL-7100
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260

**MW221****SG01-01****C-746 S&T QUARTERLY - OCTOBER SG01-01**

4-Methyl-2-pentanone	U	0.01 mg/L	0.01	SW846-8260
Acetone	U	0.01 mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01 mg/L	0.01	SW846-8260
Benzene	U	0.005 mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromoform	U	0.005 mg/L	0.005	SW846-8260
Bromomethane	JU	0.005 mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005 mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005 mg/L	0.005	SW846-8260
Chloroethane	U	0.005 mg/L	0.005	SW846-8260
Chloromethane	U	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Dibromomethane	U	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005 mg/L	0.005	SW846-8260
Ethyl methacrylate	JU	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	JU	0.005 mg/L	0.005	SW846-8260
Methylene chloride	JU	0.01 mg/L	0.01	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene		0.002 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Total Organic Carbon (TOC)	U	1.6 mg/L	1.6	SW846-9060
Total Organic Halides (TOX)	JNU	0.05 mg/L	0.05	SW846-9020B
Turbidity		2.2 NTU	0.5	EPA-180.1 1978

MW222

SG01-01

C-746 S&T QUARTERLY - OCTOBER SG01-01

MW222SG1-01

Collected: 10/3/2000

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		27.3	mg/L		2	SW846-9056
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		30.06	Inches/Hg			
Conductivity		321	umho/cm			
Depth to Water		72.23	ft			
Dissolved Oxygen		6.89	mg/L			
pH		6.38	Std Unit			
Temperature		66.2	deg F			
<b>METAL</b>						
Barium		0.272	mg/L		0.025	SW846-6010A
Beryllium	BU	0.005	mg/L		0.005	SW846-6010A
Cadmium	UW	0.005	mg/L		0.005	SW846-7131
Chromium		0.059	mg/L		0.025	SW846-6010A
Cobalt	U	0.025	mg/L		0.025	SW846-6010A
Copper	BU	0.025	mg/L		0.025	SW846-6010A
Iron		22.1	mg/L		0.2	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel		0.097	mg/L		0.025	SW846-6010A
Silver	BU	0.025	mg/L		0.025	SW846-6010A
Sodium	N	38.9	mg/L		2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.025	mg/L		0.025	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A
<b>METAL-D</b>						
Barium, Dissolved		0.211	mg/L		0.025	SW846-6010A
Chromium, Dissolved	U	0.025	mg/L		0.025	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids	*	229	mg/L		50	EPA-160.2
<b>RADS</b>						
Alpha activity	U	0.84	pCi/L	0.49	5.53	EPA-900.0
Beta activity	U	7.02	pCi/L	1.54	7.06	EPA-900.0
Technetium-99	U	10.4	pCi/L	12.3	18.2	RL-7100
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260

**MW222****SG01-01****C-746 S&T QUARTERLY - OCTOBER SG01-01**

4-Methyl-2-pentanone	U	0.01 mg/L	0.01	SW846-8260
Acetone	U	0.01 mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01 mg/L	0.01	SW846-8260
Benzene	U	0.005 mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromoform	U	0.005 mg/L	0.005	SW846-8260
Bromomethane	JU	0.005 mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005 mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005 mg/L	0.005	SW846-8260
Chloroethane	U	0.005 mg/L	0.005	SW846-8260
Chloromethane	U	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Dibromomethane	U	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005 mg/L	0.005	SW846-8260
Ethyl methacrylate	JU	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	JU	0.005 mg/L	0.005	SW846-8260
Methylene chloride	JU	0.01 mg/L	0.01	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Total Organic Carbon (TOC)	U	1.6 mg/L	1.6	SW846-9060
Total Organic Halides (TOX)	JNU	0.05 mg/L	0.05	SW846-9020B
Turbidity		260 NTU	0.5	EPA-180.1 1978



## MW223

## SG01-01

## C-746 S&amp;T QUARTERLY - OCTOBER SG01-01

## MW223SG1-01

Collected: 10/3/2000

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		39.4	mg/L		2	SW846-9056
Nitrate as Nitrogen		2.1	mg/L		1	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		30.06	Inches/Hg			
Conductivity		396	umho/cm			
Depth to Water		71.44	ft			
Dissolved Oxygen		4.36	mg/L			
pH		6.2	Std Unit			
Temperature		64.8	deg F			
<b>METAL</b>						
Barium		0.158	mg/L		0.025	SW846-6010A
Beryllium	BU	0.005	mg/L		0.005	SW846-6010A
Cadmium	UW	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.025	mg/L		0.025	SW846-6010A
Cobalt	U	0.025	mg/L		0.025	SW846-6010A
Copper	BU	0.025	mg/L		0.025	SW846-6010A
Iron	U	0.2	mg/L		0.2	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel		0.419	mg/L		0.025	SW846-6010A
Silver	BU	0.025	mg/L		0.025	SW846-6010A
Sodium	N	41.4	mg/L		2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.025	mg/L		0.025	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A
<b>METAL-D</b>						
Barium, Dissolved		0.152	mg/L		0.025	SW846-6010A
Chromium, Dissolved	U	0.025	mg/L		0.025	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		235	mg/L		50	EPA-160.2
<b>RADS</b>						
Alpha activity	U	0.25	pCi/L	0.15	5.51	EPA-900.0
Beta activity		15.68	pCi/L	2.79	7.03	EPA-900.0
Technetium-99	U	14.2	pCi/L	12.5	18.2	RL-7100
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L		0.01	SW846-8260

**MW223****SG01-01****C-746 S&T QUARTERLY - OCTOBER SG01-01**

2-Hexanone	U	0.01 mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01 mg/L	0.01	SW846-8260
Acetone	U	0.01 mg/L	0.01	SW846-8260
Acrolein	JU	0.01 mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01 mg/L	0.01	SW846-8260
Benzene	U	0.005 mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromoform	U	0.005 mg/L	0.005	SW846-8260
Bromomethane	U	0.005 mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005 mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005 mg/L	0.005	SW846-8260
Chloroethane	U	0.005 mg/L	0.005	SW846-8260
Chloromethane	U	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Dibromomethane	U	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005 mg/L	0.005	SW846-8260
Ethyl methacrylate	U	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	JU	0.005 mg/L	0.005	SW846-8260
Methylene chloride	U	0.01 mg/L	0.01	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Total Organic Carbon (TOC)	U	1.6 mg/L	1.6	SW846-9060
Total Organic Halides (TOX)	UX	0.05 mg/L	0.05	SW846-9020B
Turbidity		1.1 NTU	0.5	EPA-180.1 1978

**MW224**

**SG01-01**

**C-746 S&T QUARTERLY - OCTOBER SG01-01**

**MW224SG1-01**

Collected: 10/3/2000

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		27.8	mg/L		2	SW846-9056
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		30.06	Inches/Hg			
Conductivity		469	umho/cm			
Depth to Water		72.74	ft			
Dissolved Oxygen		1.77	mg/L			
pH		6.06	Std Unit			
Temperature		63.9	deg F			
<b>METAL</b>						
Barium		0.229	mg/L		0.025	SW846-6010A
Beryllium	BU	0.005	mg/L		0.005	SW846-6010A
Cadmium	UW	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.025	mg/L		0.025	SW846-6010A
Cobalt	U	0.025	mg/L		0.025	SW846-6010A
Copper	BU	0.025	mg/L		0.025	SW846-6010A
Iron	U	0.2	mg/L		0.2	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel		0.025	mg/L		0.025	SW846-6010A
Silver	BU	0.025	mg/L		0.025	SW846-6010A
Sodium	N	62.2	mg/L		2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.025	mg/L		0.025	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A
<b>METAL-D</b>						
Barium, Dissolved		0.227	mg/L		0.025	SW846-6010A
Chromium, Dissolved	U	0.025	mg/L		0.025	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		274	mg/L		50	EPA-160.2
<b>RADS</b>						
Alpha activity	U	-0.47	pCi/L	0.33	6.48	EPA-900.0
Beta activity		10.74	pCi/L	2.22	8.25	EPA-900.0
Technetium-99	U	8.27	pCi/L	12.3	18.2	RL-7100
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260

**MW224****SG01-01****C-746 S&T QUARTERLY - OCTOBER SG01-01**

4-Methyl-2-pentanone	U	0.01 mg/L	0.01	SW846-8260
Acetone	U	0.01 mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01 mg/L	0.01	SW846-8260
Benzene	U	0.005 mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromoform	U	0.005 mg/L	0.005	SW846-8260
Bromomethane	JU	0.005 mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005 mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005 mg/L	0.005	SW846-8260
Chloroethane	U	0.005 mg/L	0.005	SW846-8260
Chloromethane	U	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Dibromomethane	U	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005 mg/L	0.005	SW846-8260
Ethyl methacrylate	JU	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	JU	0.005 mg/L	0.005	SW846-8260
Methylene chloride	JU	0.01 mg/L	0.01	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Total Organic Carbon (TOC)	U	1.6 mg/L	1.6	SW846-9060
Total Organic Halides (TOX)	JNU	0.05 mg/L	0.05	SW846-9020B
Turbidity	U	0.5 NTU	0.5	EPA-180.1 1978

MW224

SG01-01

C-746 S&T QUARTERLY - OCTOBER SG01-01

MW224DSG1-01

Collected: 10/3/2000

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		28	mg/L		2	SW846-9056
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		30.06	Inches/Hg			
Conductivity		469	umho/cm			
Depth to Water		72.74	ft			
Dissolved Oxygen		1.77	mg/L			
pH		6.06	Std Unit			
Temperature		63.9	deg F			
<b>METAL</b>						
Barium		0.228	mg/L		0.025	SW846-6010A
Beryllium	BU	0.005	mg/L		0.005	SW846-6010A
Cadmium	UW	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.025	mg/L		0.025	SW846-6010A
Cobalt	U	0.025	mg/L		0.025	SW846-6010A
Copper	BU	0.025	mg/L		0.025	SW846-6010A
Iron	U	0.2	mg/L		0.2	SW846-6010A
Mercury		0.0003	mg/L		0.0002	SW846-7470
Nickel	U	0.025	mg/L		0.025	SW846-6010A
Silver	BU	0.025	mg/L		0.025	SW846-6010A
Sodium	N	60.1	mg/L		2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.025	mg/L		0.025	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A
<b>METAL-D</b>						
Barium, Dissolved		0.222	mg/L		0.025	SW846-6010A
Chromium, Dissolved	U	0.025	mg/L		0.025	SW846-6010A
Mercury, Dissolved	U	0.0002	mg/L		0.0002	SW846-7470
<b>PHYSC</b>						
Dissolved Solids		280	mg/L		50	EPA-160.2
<b>RADS</b>						
Alpha activity	U	2.21	pCi/L	1.14	6.69	EPA-900.0
Beta activity		8.74	pCi/L	1.91	8.49	EPA-900.0
Technetium-99	U	7.55	pCi/L	12.3	18.2	RL-7100
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260

**MW224****SG01-01****C-746 S&T QUARTERLY - OCTOBER SG01-01**

2-Hexanone	U	0.01 mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01 mg/L	0.01	SW846-8260
Acetone	U	0.01 mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01 mg/L	0.01	SW846-8260
Benzene	U	0.005 mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromoform	U	0.005 mg/L	0.005	SW846-8260
Bromomethane	JU	0.005 mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005 mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005 mg/L	0.005	SW846-8260
Chloroethane	U	0.005 mg/L	0.005	SW846-8260
Chloromethane	U	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Dibromomethane	U	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005 mg/L	0.005	SW846-8260
Ethyl methacrylate	JU	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	JU	0.005 mg/L	0.005	SW846-8260
Methylene chloride	JU	0.01 mg/L	0.01	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene		0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Total Organic Carbon (TOC)		1.8 mg/L	1.6	SW846-9060
Total Organic Halides (TOX)	JNU	0.05 mg/L	0.05	SW846-9020B
Turbidity	U	0.5 NTU	0.5	EPA-180.1 1978

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12/18/2007

MW263

SG01-01

C-746 S&T QUARTERLY - OCTOBER SG01-01

MW263SG1-01

Collected: 10/4/2000

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		45.2	mg/L		2	SW846-9056
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		30.03	Inches/Hg			
Conductivity		540	umho/cm			
Depth to Water		37.09	ft			
Dissolved Oxygen		1.63	mg/L			
pH		6.2	Std Unit			
Temperature		68.8	deg F			
<b>METAL</b>						
Barium	B	0.063	mg/L		0.025	SW846-6010A
Beryllium	BU	0.005	mg/L		0.005	SW846-6010A
Cadmium	UW	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.025	mg/L		0.025	SW846-6010A
Cobalt	U	0.025	mg/L		0.025	SW846-6010A
Copper	BU	0.025	mg/L		0.025	SW846-6010A
Iron	U	0.2	mg/L		0.2	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel	U	0.025	mg/L		0.025	SW846-6010A
Silver	BU	0.025	mg/L		0.025	SW846-6010A
Sodium	N	46.1	mg/L		2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.025	mg/L		0.025	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A
<b>METAL-D</b>						
Barium, Dissolved		0.063	mg/L		0.025	SW846-6010A
Chromium, Dissolved	U	0.025	mg/L		0.025	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		313	mg/L		50	EPA-160.2
<b>RADS</b>						
Alpha activity	U	2.21	pCi/L	1.07	6.56	EPA-900.0
Beta activity		39.02	pCi/L	5.36	8.34	EPA-900.0
Technetium-99		23.5	pCi/L	12.8	18.2	RL-7100
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260

**MW263****SG01-01****C-746 S&T QUARTERLY - OCTOBER SG01-01**

4-Methyl-2-pentanone	U	0.01 mg/L	0.01	SW846-8260
Acetone	U	0.01 mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01 mg/L	0.01	SW846-8260
Benzene	U	0.005 mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromoform	U	0.005 mg/L	0.005	SW846-8260
Bromomethane	JU	0.005 mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005 mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005 mg/L	0.005	SW846-8260
Chloroethane	U	0.005 mg/L	0.005	SW846-8260
Chloromethane	U	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Dibromomethane	U	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005 mg/L	0.005	SW846-8260
Ethyl methacrylate	JU	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	JU	0.005 mg/L	0.005	SW846-8260
Methylene chloride	JU	0.01 mg/L	0.01	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene		0.015 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Total Organic Carbon (TOC)	U	1.6 mg/L	1.6	SW846-9060
Total Organic Halides (TOX)	JNU	0.05 mg/L	0.05	SW846-9020B
Turbidity		0.66 NTU	0.5	EPA-180.1 1978



## MW264

## SG01-01

## C-746 S&amp;T QUARTERLY - OCTOBER SG01-01

## MW264SG1-01

Collected: 10/4/2000

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		41.6	mg/L		2	SW846-9056
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		30.03	Inches/Hg			
Conductivity		540	umho/cm			
Depth to Water		42.57	ft			
Dissolved Oxygen		1.38	mg/L			
pH		6.28	Std Unit			
Temperature		62.4	deg F			
<b>METAL</b>						
Barium		0.154	mg/L		0.025	SW846-6010A
Beryllium	BU	0.005	mg/L		0.005	SW846-6010A
Cadmium	UW	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.025	mg/L		0.025	SW846-6010A
Cobalt	U	0.025	mg/L		0.025	SW846-6010A
Copper	BU	0.025	mg/L		0.025	SW846-6010A
Iron	U	0.2	mg/L		0.2	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel	U	0.025	mg/L		0.025	SW846-6010A
Silver	BU	0.025	mg/L		0.025	SW846-6010A
Sodium	N	41.8	mg/L		2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.025	mg/L		0.025	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A
<b>METAL-D</b>						
Barium, Dissolved		0.149	mg/L		0.025	SW846-6010A
Chromium, Dissolved	U	0.025	mg/L		0.025	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		294	mg/L		50	EPA-160.2
<b>RADS</b>						
Alpha activity	U	2.31	pCi/L	1.15	6.57	EPA-900.0
Beta activity		13.32	pCi/L	2.61	8.35	EPA-900.0
Technetium-99	U	11	pCi/L	12.4	18.2	RL-7100
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260

**MW264****SG01-01****C-746 S&T QUARTERLY - OCTOBER SG01-01**

4-Methyl-2-pentanone	U	0.01 mg/L	0.01	SW846-8260
Acetone	U	0.01 mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01 mg/L	0.01	SW846-8260
Benzene	U	0.005 mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromoform	U	0.005 mg/L	0.005	SW846-8260
Bromomethane	JU	0.005 mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005 mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005 mg/L	0.005	SW846-8260
Chloroethane	U	0.005 mg/L	0.005	SW846-8260
Chloromethane	U	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Dibromomethane	U	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005 mg/L	0.005	SW846-8260
Ethyl methacrylate	JU	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	JU	0.005 mg/L	0.005	SW846-8260
Methylene chloride	JU	0.01 mg/L	0.01	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene		0.006 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Total Organic Carbon (TOC)	U	1.6 mg/L	1.6	SW846-9060
Total Organic Halides (TOX)	JNU	0.05 mg/L	0.05	SW846-9020B
Turbidity		2.1 NTU	0.5	EPA-180.1 1978

MW265

SG01-01

C-746 S&T QUARTERLY - OCTOBER SG01-01

MW265SG1-01

Collected: 10/3/2000

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		34	mg/L		2	SW846-9056
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		30.03	Inches/Hg			
Conductivity		364	umho/cm			
Depth to Water		45.78	ft			
Dissolved Oxygen		1.64	mg/L			
pH		6.1	Std Unit			
Temperature		61.4	deg F			
<b>METAL</b>						
Barium		0.211	mg/L		0.025	SW846-6010A
Beryllium	BU	0.005	mg/L		0.005	SW846-6010A
Cadmium	UW	0.005	mg/L		0.005	SW846-7131
Chromium		0.112	mg/L		0.025	SW846-6010A
Cobalt	U	0.025	mg/L		0.025	SW846-6010A
Copper	BU	0.025	mg/L		0.025	SW846-6010A
Iron		0.913	mg/L		0.2	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel		0.039	mg/L		0.025	SW846-6010A
Silver	BU	0.025	mg/L		0.025	SW846-6010A
Sodium	N	36.9	mg/L		2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.025	mg/L		0.025	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A
<b>METAL-D</b>						
Barium, Dissolved		0.21	mg/L		0.025	SW846-6010A
Chromium, Dissolved	U	0.025	mg/L		0.025	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		198	mg/L		50	EPA-160.2
<b>RADS</b>						
Alpha activity	U	0.81	pCi/L	0.47	5.36	EPA-900.0
Beta activity		7.04	pCi/L	1.54	6.84	EPA-900.0
Technetium-99	U	8.75	pCi/L	12.3	18.2	RL-7100
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L		0.01	SW846-8260

**MW265****SG01-01****C-746 S&T QUARTERLY - OCTOBER SG01-01**

2-Hexanone	U	0.01 mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01 mg/L	0.01	SW846-8260
Acetone	U	0.01 mg/L	0.01	SW846-8260
Acrolein	JU	0.01 mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01 mg/L	0.01	SW846-8260
Benzene	U	0.005 mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromoform	U	0.005 mg/L	0.005	SW846-8260
Bromomethane	U	0.005 mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005 mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005 mg/L	0.005	SW846-8260
Chloroethane	U	0.005 mg/L	0.005	SW846-8260
Chloromethane	U	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Dibromomethane	U	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005 mg/L	0.005	SW846-8260
Ethyl methacrylate	U	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	JU	0.005 mg/L	0.005	SW846-8260
Methylene chloride	U	0.01 mg/L	0.01	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene		0.004 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Total Organic Carbon (TOC)	U	1.6 mg/L	1.6	SW846-9060
Total Organic Halides (TOX)	UX	0.05 mg/L	0.05	SW846-9020B
Turbidity		4.7 NTU	0.5	EPA-180.1 1978

## MW266

## SG01-01

## C-746 S&amp;T QUARTERLY - OCTOBER SG01-01

## MW266SG1-01

Collected: 10/4/2000

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		39.2	mg/L		2	SW846-9056
Nitrate as Nitrogen		1.1	mg/L		1	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		30.03	Inches/Hg			
Conductivity		493	umho/cm			
Depth to Water		42.42	ft			
Dissolved Oxygen		2.8	mg/L			
pH		6.11	Std Unit			
Temperature		63.2	deg F			
<b>METAL</b>						
Barium	B	0.036	mg/L		0.025	SW846-6010A
Beryllium	BU	0.005	mg/L		0.005	SW846-6010A
Cadmium	UW	0.005	mg/L		0.005	SW846-7131
Chromium		0.221	mg/L		0.025	SW846-6010A
Cobalt	U	0.025	mg/L		0.025	SW846-6010A
Copper	BU	0.025	mg/L		0.025	SW846-6010A
Iron		1.57	mg/L		0.2	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel	U	0.025	mg/L		0.025	SW846-6010A
Silver	BU	0.025	mg/L		0.025	SW846-6010A
Sodium	N	28.3	mg/L		2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.025	mg/L		0.025	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A
<b>METAL-D</b>						
Barium, Dissolved		0.032	mg/L		0.025	SW846-6010A
Chromium, Dissolved	U	0.025	mg/L		0.025	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids	*	247	mg/L		50	EPA-160.2
<b>RADS</b>						
Alpha activity		10.8	pCi/L	3.46	6.19	EPA-900.0
Beta activity		15.01	pCi/L	2.8	7.88	EPA-900.0
Technetium-99	U	9.42	pCi/L	12.3	18.2	RL-7100
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260

**MW266****SG01-01****C-746 S&T QUARTERLY - OCTOBER SG01-01**

4-Methyl-2-pentanone	U	0.01 mg/L	0.01	SW846-8260
Acetone	U	0.01 mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01 mg/L	0.01	SW846-8260
Benzene	U	0.005 mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromoform	U	0.005 mg/L	0.005	SW846-8260
Bromomethane	JU	0.005 mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005 mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005 mg/L	0.005	SW846-8260
Chloroethane	U	0.005 mg/L	0.005	SW846-8260
Chloromethane	U	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Dibromomethane	U	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005 mg/L	0.005	SW846-8260
Ethyl methacrylate	JU	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	JU	0.005 mg/L	0.005	SW846-8260
Methylene chloride	JU	0.01 mg/L	0.01	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene		0.005 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Total Organic Carbon (TOC)	U	1.6 mg/L	1.6	SW846-9060
Total Organic Halides (TOX)	UX	0.05 mg/L	0.05	SW846-9020B
Turbidity		13 NTU	0.5	EPA-180.1 1978

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MW267

SG01-01

C-746 S&T QUARTERLY - OCTOBER SG01-01

MW267SG1-01

Collected: 10/4/2000

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		53.7	mg/L		2	SW846-9056
Nitrate as Nitrogen		2.1	mg/L		1	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		30.03	Inches/Hg			
Conductivity		382	umho/cm			
Depth to Water		57.36	ft			
Dissolved Oxygen		4.05	mg/L			
pH		6	Std Unit			
Temperature		63	deg F			
<b>METAL</b>						
Barium		0.217	mg/L		0.025	SW846-6010A
Beryllium	BU	0.005	mg/L		0.005	SW846-6010A
Cadmium	UW	0.005	mg/L		0.005	SW846-7131
Chromium		0.034	mg/L		0.025	SW846-6010A
Cobalt	U	0.025	mg/L		0.025	SW846-6010A
Copper	BU	0.025	mg/L		0.025	SW846-6010A
Iron	U	0.2	mg/L		0.2	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel	U	0.025	mg/L		0.025	SW846-6010A
Silver	BU	0.025	mg/L		0.025	SW846-6010A
Sodium	N	36.4	mg/L		2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.025	mg/L		0.025	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A
<b>METAL-D</b>						
Barium, Dissolved		0.206	mg/L		0.025	SW846-6010A
Chromium, Dissolved	U	0.025	mg/L		0.025	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		208	mg/L		50	EPA-160.2
<b>RADS</b>						
Alpha activity	U	1.21	pCi/L	0.64	5.45	EPA-900.0
Beta activity		16.72	pCi/L	2.91	6.96	EPA-900.0
Technetium-99		19.6	pCi/L	12.7	18.2	RL-7100
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260

**MW267****SG01-01****C-746 S&T QUARTERLY - OCTOBER SG01-01**

4-Methyl-2-pentanone	U	0.01 mg/L	0.01	SW846-8260
Acetone	U	0.01 mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01 mg/L	0.01	SW846-8260
Benzene	U	0.005 mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromoform	U	0.005 mg/L	0.005	SW846-8260
Bromomethane	JU	0.005 mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005 mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005 mg/L	0.005	SW846-8260
Chloroethane	U	0.005 mg/L	0.005	SW846-8260
Chloromethane	U	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Dibromomethane	U	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005 mg/L	0.005	SW846-8260
Ethyl methacrylate	JU	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	JU	0.005 mg/L	0.005	SW846-8260
Methylene chloride	JU	0.01 mg/L	0.01	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Total Organic Carbon (TOC)	U	1.6 mg/L	1.6	SW846-9060
Total Organic Halides (TOX)	UX	0.05 mg/L	0.05	SW846-9020B
Turbidity		0.72 NTU	0.5	EPA-180.1 1978



MW179

SG01-02

C-746 S&amp;T QUARTERLY - JANUARY SG01-02

MW179SG2-01

Collected: 1/2/2001

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		37.5	mg/L		2	SW846-9056
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		30.21	Inches/Hg			
Conductivity		864	umho/cm			
Depth to Water		38.27	ft			
Dissolved Oxygen		2.48	mg/L			
pH		6.1	Std Unit			
Temperature		59.5	deg F			
<b>METAL</b>						
Barium		0.028	mg/L		0.025	SW846-6010A
Beryllium	U	0.005	mg/L		0.005	SW846-6010A
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.025	mg/L		0.025	SW846-6010A
Cobalt	U	0.025	mg/L		0.025	SW846-6010A
Copper	U	0.025	mg/L		0.025	SW846-6010A
Iron		0.254	mg/L		0.2	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Silver	BU	0.025	mg/L		0.025	SW846-6010A
Sodium		66.1	mg/L		2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.025	mg/L		0.025	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A
<b>METAL-D</b>						
Barium, Dissolved	*N	0.026	mg/L		0.025	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids	X	641	mg/L		50	EPA-160.2
<b>RADS</b>						
Alpha activity	U	2.92	pCi/L	1.46	10.7	EPA-900.0
Beta activity		28.9	pCi/L	3.84	5.49	EPA-900.0
Technetium-99		42.4	pCi/L	12.6	16.5	RL-7100
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L		0.01	SW846-8260

## MW179

## SG01-02

## C-746 S&amp;T QUARTERLY - JANUARY SG01-02

2-Hexanone	U	0.01 mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01 mg/L	0.01	SW846-8260
Acetone	U	0.01 mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01 mg/L	0.01	SW846-8260
Benzene	U	0.005 mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromoform	U	0.005 mg/L	0.005	SW846-8260
Bromomethane	U	0.005 mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005 mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005 mg/L	0.005	SW846-8260
Chloroethane	U	0.005 mg/L	0.005	SW846-8260
Chloromethane	U	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Dibromomethane	U	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005 mg/L	0.005	SW846-8260
Ethyl methacrylate	U	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	JU	0.005 mg/L	0.005	SW846-8260
Methylene chloride	U	0.01 mg/L	0.01	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene		0.006 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Total Organic Carbon (TOC)		1.2 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.05 mg/L	0.05	SW846-9020B
Turbidity		2.5 NTU	0.5	EPA-180.1 1978

MW220

SG01-02

C-746 S&T QUARTERLY - JANUARY SG01-02

MW220SG2-01

Collected: 1/2/2001

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		36	mg/L		2	SW846-9056
Nitrate as Nitrogen		1.1	mg/L		1	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		30.21	Inches/Hg			
Conductivity		405	umho/cm			
Depth to Water		59.12	ft			
Dissolved Oxygen		6.55	mg/L			
pH		6.2	Std Unit			
Temperature		56.2	deg F			
<b>METAL</b>						
Barium		0.207	mg/L		0.025	SW846-6010A
Beryllium	U	0.005	mg/L		0.005	SW846-6010A
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium		0.035	mg/L		0.025	SW846-6010A
Cobalt	U	0.025	mg/L		0.025	SW846-6010A
Copper	U	0.025	mg/L		0.025	SW846-6010A
Iron		0.262	mg/L		0.2	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel		0.388	mg/L		0.05	SW846-6010A
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Silver	BU	0.025	mg/L		0.025	SW846-6010A
Sodium		40.7	mg/L		2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.025	mg/L		0.025	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A
<b>METAL-D</b>						
Barium, Dissolved	*N	0.196	mg/L		0.025	SW846-6010A
Chromium, Dissolved	*BNU	0.025	mg/L		0.025	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids	X	251	mg/L		50	EPA-160.2
<b>RADS</b>						
Alpha activity	U	0.489	pCi/L	0.295	8.7	EPA-900.0
Beta activity		15.3	pCi/L	2.39	4.48	EPA-900.0
Technetium-99		20.2	pCi/L	11.8	16.5	RL-7100
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260

**MW220****SG01-02****C-746 S&T QUARTERLY - JANUARY SG01-02**

2-Chloroethyl vinyl ether	JU	0.01 mg/L	0.01	SW846-8260
2-Hexanone	U	0.01 mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01 mg/L	0.01	SW846-8260
Acetone	U	0.01 mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01 mg/L	0.01	SW846-8260
Benzene	U	0.005 mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromoform	U	0.005 mg/L	0.005	SW846-8260
Bromomethane	U	0.005 mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005 mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005 mg/L	0.005	SW846-8260
Chloroethane	U	0.005 mg/L	0.005	SW846-8260
Chloromethane	U	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Dibromomethane	U	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005 mg/L	0.005	SW846-8260
Ethyl methacrylate	U	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	JU	0.005 mg/L	0.005	SW846-8260
Methylene chloride	U	0.01 mg/L	0.01	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Total Organic Carbon (TOC)	B	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.05 mg/L	0.05	SW846-9020B
Turbidity		3.8 NTU	0.5	EPA-180.1 1978

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MW221

SG01-02

C-746 S&T QUARTERLY - JANUARY SG01-02

MW221SG2-01

Collected: 1/3/2001

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		48.3	mg/L		2	SW846-9056
Nitrate as Nitrogen	*	1.7	mg/L		1	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		30	Inches/Hg			
Conductivity		412	umho/cm			
Depth to Water		69.79	ft			
Dissolved Oxygen		5.83	mg/L			
pH		5.95	Std Unit			
Temperature		57.2	deg F			
<b>METAL</b>						
Barium		0.239	mg/L		0.025	SW846-6010A
Beryllium	U	0.005	mg/L		0.005	SW846-6010A
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium		0.1	mg/L		0.025	SW846-6010A
Cobalt	U	0.025	mg/L		0.025	SW846-6010A
Copper	U	0.025	mg/L		0.025	SW846-6010A
Iron		0.711	mg/L		0.2	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel		0.144	mg/L		0.05	SW846-6010A
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Silver	BU	0.025	mg/L		0.025	SW846-6010A
Sodium		44.3	mg/L		2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.025	mg/L		0.025	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A
<b>METAL-D</b>						
Barium, Dissolved	*N	0.23	mg/L		0.025	SW846-6010A
Chromium, Dissolved	*BNU	0.025	mg/L		0.025	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		237	mg/L		48	EPA-160.2
<b>RADS</b>						
Alpha activity	U	-1.73	pCi/L	1.55	8.18	EPA-900.0
Beta activity		5.56	pCi/L	1.17	4.34	EPA-900.0
Technetium-99	U	-0.108	pCi/L	0	16.5	RL-7100
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260

## MW221

## SG01-02

## C-746 S&amp;T QUARTERLY - JANUARY SG01-02

2-Chloroethyl vinyl ether	JU	0.01 mg/L	0.01	SW846-8260
2-Hexanone	U	0.01 mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01 mg/L	0.01	SW846-8260
Acetone	U	0.01 mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01 mg/L	0.01	SW846-8260
Benzene	U	0.005 mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromoform	U	0.005 mg/L	0.005	SW846-8260
Bromomethane	U	0.005 mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005 mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005 mg/L	0.005	SW846-8260
Chloroethane	U	0.005 mg/L	0.005	SW846-8260
Chloromethane	U	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Dibromomethane	U	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005 mg/L	0.005	SW846-8260
Ethyl methacrylate	U	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	JU	0.005 mg/L	0.005	SW846-8260
Methylene chloride	U	0.01 mg/L	0.01	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene		0.002 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.05 mg/L	0.05	SW846-9020B
Turbidity		7.6 NTU	0.5	EPA-180.1 1978

MW222

SG01-02

C-746 S&T QUARTERLY - JANUARY SG01-02

MW222SG2-01

Collected: 1/3/2001

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		14.9	mg/L		2	SW846-9056
Nitrate as Nitrogen	*U	1	mg/L		1	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		30	Inches/Hg			
Conductivity		241	umho/cm			
Depth to Water		73.63	ft			
Dissolved Oxygen		1	mg/L			
pH		6.3	Std Unit			
Temperature		57.9	deg F			
<b>METAL</b>						
Barium		0.313	mg/L		0.025	SW846-6010A
Beryllium	U	0.005	mg/L		0.005	SW846-6010A
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium		0.047	mg/L		0.025	SW846-6010A
Cobalt	U	0.025	mg/L		0.025	SW846-6010A
Copper	U	0.025	mg/L		0.025	SW846-6010A
Iron		49	mg/L		0.2	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel		0.092	mg/L		0.05	SW846-6010A
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Silver	BU	0.025	mg/L		0.025	SW846-6010A
Sodium		34.6	mg/L		2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium		0.001	mg/L		0.001	IN7105
Vanadium		0.033	mg/L		0.025	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A
<b>METAL-D</b>						
Barium, Dissolved	*N	0.154	mg/L		0.025	SW846-6010A
Chromium, Dissolved	*BNU	0.025	mg/L		0.025	SW846-6010A
Uranium, Dissolved	U	0.001	mg/L		0.001	IN7105
<b>PHYSC</b>						
Dissolved Solids	*	243	mg/L		48	EPA-160.2
<b>RADS</b>						
Alpha activity	U	3.82	pCi/L	1.97	8.36	EPA-900.0
Beta activity		5.37	pCi/L	1.14	4.38	EPA-900.0
Technetium-99	U	5.01	pCi/L	11.3	16.5	RL-7100
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260

**MW222****SG01-02****C-746 S&T QUARTERLY - JANUARY SG01-02**

2-Butanone	U	0.01 mg/L	0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01 mg/L	0.01	SW846-8260
2-Hexanone	U	0.01 mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01 mg/L	0.01	SW846-8260
Acetone	U	0.01 mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01 mg/L	0.01	SW846-8260
Benzene	U	0.005 mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromoform	U	0.005 mg/L	0.005	SW846-8260
Bromomethane	U	0.005 mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005 mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005 mg/L	0.005	SW846-8260
Chloroethane	U	0.005 mg/L	0.005	SW846-8260
Chloromethane	U	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Dibromomethane	U	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005 mg/L	0.005	SW846-8260
Ethyl methacrylate	U	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	JU	0.005 mg/L	0.005	SW846-8260
Methylene chloride	U	0.01 mg/L	0.01	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.05 mg/L	0.05	SW846-9020B
Turbidity		500 NTU	0.5	EPA-180.1 1978



MW223

SG01-02

C-746 S&amp;T QUARTERLY - JANUARY SG01-02

MW223SG2-01

Collected: 1/3/2001

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		38.2	mg/L		2	SW846-9056
Nitrate as Nitrogen	*	1.9	mg/L		1	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		30	Inches/Hg			
Conductivity		374	umho/cm			
Depth to Water		72.91	ft			
Dissolved Oxygen		3	mg/L			
pH		6.2	Std Unit			
Temperature		54.3	deg F			
<b>METAL</b>						
Barium		0.152	mg/L		0.025	SW846-6010A
Beryllium	U	0.005	mg/L		0.005	SW846-6010A
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.025	mg/L		0.025	SW846-6010A
Cobalt	U	0.025	mg/L		0.025	SW846-6010A
Copper	U	0.025	mg/L		0.025	SW846-6010A
Iron	U	0.2	mg/L		0.2	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel		0.363	mg/L		0.05	SW846-6010A
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Silver	BU	0.025	mg/L		0.025	SW846-6010A
Sodium		44	mg/L		2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.025	mg/L		0.025	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A
<b>METAL-D</b>						
Barium, Dissolved	*N	0.144	mg/L		0.025	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		222	mg/L		48	EPA-160.2
<b>RADS</b>						
Alpha activity	U	-0.436	pCi/L	0.308	9.03	EPA-900.0
Beta activity		8.55	pCi/L	1.63	4.58	EPA-900.0
Technetium-99	U	7.82	pCi/L	11.3	16.5	RL-7100
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L		0.01	SW846-8260

## MW223

## SG01-02

## C-746 S&amp;T QUARTERLY - JANUARY SG01-02

2-Hexanone	U	0.01 mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01 mg/L	0.01	SW846-8260
Acetone	U	0.01 mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01 mg/L	0.01	SW846-8260
Benzene	U	0.005 mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromoform	U	0.005 mg/L	0.005	SW846-8260
Bromomethane	U	0.005 mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005 mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005 mg/L	0.005	SW846-8260
Chloroethane	U	0.005 mg/L	0.005	SW846-8260
Chloromethane	U	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Dibromomethane	U	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005 mg/L	0.005	SW846-8260
Ethyl methacrylate	U	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	JU	0.005 mg/L	0.005	SW846-8260
Methylene chloride	U	0.01 mg/L	0.01	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.05 mg/L	0.05	SW846-9020B
Turbidity		1.9 NTU	0.5	EPA-180.1 1978

MW224

SG01-02

C-746 S&T QUARTERLY - JANUARY SG01-02

MW224SG2-01

Collected: 1/3/2001

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		11.1	mg/L		2	SW846-9056
Nitrate as Nitrogen	*U	1	mg/L		1	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		30	Inches/Hg			
Conductivity		412	umho/cm			
Depth to Water		74.15	ft			
Dissolved Oxygen		1.31	mg/L			
pH		6.1	Std Unit			
Temperature		58	deg F			
<b>METAL</b>						
Barium		0.207	mg/L		0.025	SW846-6010A
Beryllium	U	0.005	mg/L		0.005	SW846-6010A
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.025	mg/L		0.025	SW846-6010A
Cobalt	U	0.025	mg/L		0.025	SW846-6010A
Copper	U	0.025	mg/L		0.025	SW846-6010A
Iron	U	0.2	mg/L		0.2	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Silver	BU	0.025	mg/L		0.025	SW846-6010A
Sodium		65.6	mg/L		2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.025	mg/L		0.025	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A
<b>METAL-D</b>						
Barium, Dissolved	*N	0.199	mg/L		0.025	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		254	mg/L		48	EPA-160.2
<b>RADS</b>						
Alpha activity	U	-2.14	pCi/L	2.14	9.23	EPA-900.0
Beta activity	U	2.44	pCi/L	0.611	4.66	EPA-900.0
Technetium-99	U	-0.97	pCi/L	0	16.5	RL-7100
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L		0.01	SW846-8260

**MW224****SG01-02****C-746 S&T QUARTERLY - JANUARY SG01-02**

2-Hexanone	U	0.01 mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01 mg/L	0.01	SW846-8260
Acetone	U	0.01 mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01 mg/L	0.01	SW846-8260
Benzene	U	0.005 mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromoform	U	0.005 mg/L	0.005	SW846-8260
Bromomethane	U	0.005 mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005 mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005 mg/L	0.005	SW846-8260
Chloroethane	U	0.005 mg/L	0.005	SW846-8260
Chloromethane	U	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Dibromomethane	U	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005 mg/L	0.005	SW846-8260
Ethyl methacrylate	U	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	JU	0.005 mg/L	0.005	SW846-8260
Methylene chloride	U	0.01 mg/L	0.01	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Total Organic Carbon (TOC)		1.1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.05 mg/L	0.05	SW846-9020B
Turbidity	U	0.5 NTU	0.5	EPA-180.1 1978

MW263

SG01-02

C-746 S&T QUARTERLY - JANUARY SG01-02

MW263SG2-01

Collected: 1/3/2001

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		48.7	mg/L		2	SW846-9056
Nitrate as Nitrogen	*U	1	mg/L		1	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		30	Inches/Hg			
Conductivity		528	umho/cm			
Depth to Water		38.65	ft			
Dissolved Oxygen		2.86	mg/L			
pH		6.12	Std Unit			
Temperature		56	deg F			
<b>METAL</b>						
Barium		0.065	mg/L		0.025	SW846-6010A
Beryllium	U	0.005	mg/L		0.005	SW846-6010A
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium		0.054	mg/L		0.025	SW846-6010A
Cobalt	U	0.025	mg/L		0.025	SW846-6010A
Copper	U	0.025	mg/L		0.025	SW846-6010A
Iron		0.302	mg/L		0.2	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Silver	BU	0.025	mg/L		0.025	SW846-6010A
Sodium		47.6	mg/L		2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.025	mg/L		0.025	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A
<b>METAL-D</b>						
Barium, Dissolved	*N	0.058	mg/L		0.025	SW846-6010A
Chromium, Dissolved	*BNU	0.025	mg/L		0.025	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		305	mg/L		48	EPA-160.2
<b>RADS</b>						
Alpha activity	U	0.46	pCi/L	0.291	9.77	EPA-900.0
Beta activity		12.1	pCi/L	2.12	4.89	EPA-900.0
Technetium-99		25.6	pCi/L	12	16.5	RL-7100
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260

## MW263

## SG01-02

## C-746 S&amp;T QUARTERLY - JANUARY SG01-02

2-Chloroethyl vinyl ether	JU	0.01 mg/L	0.01	SW846-8260
2-Hexanone	U	0.01 mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01 mg/L	0.01	SW846-8260
Acetone	U	0.01 mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01 mg/L	0.01	SW846-8260
Benzene	U	0.005 mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromoform	U	0.005 mg/L	0.005	SW846-8260
Bromomethane	U	0.005 mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005 mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005 mg/L	0.005	SW846-8260
Chloroethane	U	0.005 mg/L	0.005	SW846-8260
Chloromethane	U	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Dibromomethane	U	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005 mg/L	0.005	SW846-8260
Ethyl methacrylate	U	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	JU	0.005 mg/L	0.005	SW846-8260
Methylene chloride	U	0.01 mg/L	0.01	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene		0.019 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.05 mg/L	0.05	SW846-9020B
Turbidity		3.6 NTU	0.5	EPA-180.1 1978

## MW264

## SG01-02

## C-746 S&amp;T QUARTERLY - JANUARY SG01-02

## MW264SG2-01

Collected: 1/3/2001

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		38.8	mg/L		2	SW846-9056
Nitrate as Nitrogen	*U	1	mg/L		1	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		30	Inches/Hg			
Conductivity		502	umho/cm			
Depth to Water		44.07	ft			
Dissolved Oxygen		2.5	mg/L			
pH		6.33	Std Unit			
Temperature		55.7	deg F			
<b>METAL</b>						
Barium		0.143	mg/L		0.025	SW846-6010A
Beryllium	U	0.005	mg/L		0.005	SW846-6010A
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.025	mg/L		0.025	SW846-6010A
Cobalt	U	0.025	mg/L		0.025	SW846-6010A
Copper	U	0.025	mg/L		0.025	SW846-6010A
Iron		0.432	mg/L		0.2	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Silver	BU	0.025	mg/L		0.025	SW846-6010A
Sodium		42.2	mg/L		2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.025	mg/L		0.025	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A
<b>METAL-D</b>						
Barium, Dissolved	*N	0.13	mg/L		0.025	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		289	mg/L		48	EPA-160.2
<b>RADS</b>						
Alpha activity	U	2.16	pCi/L	1.25	9.47	EPA-900.0
Beta activity		8.03	pCi/L	1.57	4.75	EPA-900.0
Technetium-99	U	9.76	pCi/L	11.5	16.5	RL-7100
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L		0.01	SW846-8260

## MW264

## SG01-02

## C-746 S&amp;T QUARTERLY - JANUARY SG01-02

2-Hexanone	U	0.01 mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01 mg/L	0.01	SW846-8260
Acetone	U	0.01 mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01 mg/L	0.01	SW846-8260
Benzene	U	0.005 mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromoform	U	0.005 mg/L	0.005	SW846-8260
Bromomethane	U	0.005 mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005 mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005 mg/L	0.005	SW846-8260
Chloroethane	U	0.005 mg/L	0.005	SW846-8260
Chloromethane	U	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Dibromomethane	U	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005 mg/L	0.005	SW846-8260
Ethyl methacrylate	U	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	JU	0.005 mg/L	0.005	SW846-8260
Methylene chloride	U	0.01 mg/L	0.01	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene		0.004 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.05 mg/L	0.05	SW846-9020B
Turbidity		4.4 NTU	0.5	EPA-180.1 1978



MW266

SG01-02

C-746 S&T QUARTERLY - JANUARY SG01-02

MW266SG2-01

Collected: 1/2/2001

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		43.6	mg/L		2	SW846-9056
Nitrate as Nitrogen		1.1	mg/L		1	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		30.24	Inches/Hg			
Conductivity		509	umho/cm			
Depth to Water		44.23	ft			
Dissolved Oxygen		2.13	mg/L			
pH		6.1	Std Unit			
Temperature		55	deg F			
<b>METAL</b>						
Barium		0.04	mg/L		0.025	SW846-6010A
Beryllium	U	0.005	mg/L		0.005	SW846-6010A
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium		0.392	mg/L		0.025	SW846-6010A
Cobalt	U	0.025	mg/L		0.025	SW846-6010A
Copper	U	0.025	mg/L		0.025	SW846-6010A
Iron		3.19	mg/L		0.2	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel		0.239	mg/L		0.05	SW846-6010A
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Silver	BU	0.025	mg/L		0.025	SW846-6010A
Sodium		31.8	mg/L		2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.025	mg/L		0.025	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A
<b>METAL-D</b>						
Barium, Dissolved	*N	0.037	mg/L		0.025	SW846-6010A
Chromium, Dissolved	*BNU	0.025	mg/L		0.025	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids	X	353	mg/L		63	EPA-160.2
<b>RADS</b>						
Alpha activity	U	-2	pCi/L	1.79	8.85	EPA-900.0
Beta activity		6.86	pCi/L	1.39	4.53	EPA-900.0
Technetium-99	U	2.43	pCi/L	11.2	16.5	RL-7100
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260

## MW266

## SG01-02

## C-746 S&amp;T QUARTERLY - JANUARY SG01-02

2-Chloroethyl vinyl ether	JU	0.01 mg/L	0.01	SW846-8260
2-Hexanone	U	0.01 mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01 mg/L	0.01	SW846-8260
Acetone	U	0.01 mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01 mg/L	0.01	SW846-8260
Benzene	U	0.005 mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromoform	U	0.005 mg/L	0.005	SW846-8260
Bromomethane	U	0.005 mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005 mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005 mg/L	0.005	SW846-8260
Chloroethane	U	0.005 mg/L	0.005	SW846-8260
Chloromethane	U	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Dibromomethane	U	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005 mg/L	0.005	SW846-8260
Ethyl methacrylate	U	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	JU	0.005 mg/L	0.005	SW846-8260
Methylene chloride	U	0.01 mg/L	0.01	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene		0.006 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.05 mg/L	0.05	SW846-9020B
Turbidity		16 NTU	0.5	EPA-180.1 1978

## MW266

## SG01-02

## C-746 S&amp;T QUARTERLY - JANUARY SG01-02

## MW266DSG2-01

Collected: 1/2/2001

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		42.4	mg/L		2	SW846-9056
Nitrate as Nitrogen		1.1	mg/L		1	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		30.24	Inches/Hg			
Conductivity		509	umho/cm			
Depth to Water		44.23	ft			
Dissolved Oxygen		2.13	mg/L			
pH		6.1	Std Unit			
Temperature		55	deg F			
<b>METAL</b>						
Barium		0.039	mg/L		0.025	SW846-6010A
Beryllium	U	0.005	mg/L		0.005	SW846-6010A
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium		0.216	mg/L		0.025	SW846-6010A
Cobalt	U	0.025	mg/L		0.025	SW846-6010A
Copper	U	0.025	mg/L		0.025	SW846-6010A
Iron		1.69	mg/L		0.2	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel		0.187	mg/L		0.05	SW846-6010A
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Silver	BU	0.025	mg/L		0.025	SW846-6010A
Sodium		31.2	mg/L		2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.025	mg/L		0.025	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A
<b>METAL-D</b>						
Barium, Dissolved	*N	0.037	mg/L		0.025	SW846-6010A
Chromium, Dissolved	*BNU	0.025	mg/L		0.025	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids	X	332	mg/L		50	EPA-160.2
<b>RADS</b>						
Alpha activity	U	0.33	pCi/L	0.22	8.7	EPA-900.0
Beta activity		6.92	pCi/L	1.39	4.48	EPA-900.0
Technetium-99	U	1.46	pCi/L	11.2	16.5	RL-7100
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260

## MW266

## SG01-02

## C-746 S&amp;T QUARTERLY - JANUARY SG01-02

2-Chloroethyl vinyl ether	JU	0.01 mg/L	0.01	SW846-8260
2-Hexanone	U	0.01 mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01 mg/L	0.01	SW846-8260
Acetone	U	0.01 mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01 mg/L	0.01	SW846-8260
Benzene	U	0.005 mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromoform	U	0.005 mg/L	0.005	SW846-8260
Bromomethane	U	0.005 mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005 mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005 mg/L	0.005	SW846-8260
Chloroethane	U	0.005 mg/L	0.005	SW846-8260
Chloromethane	U	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Dibromomethane	U	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005 mg/L	0.005	SW846-8260
Ethyl methacrylate	U	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	JU	0.005 mg/L	0.005	SW846-8260
Methylene chloride	U	0.01 mg/L	0.01	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene		0.006 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.05 mg/L	0.05	SW846-9020B
Turbidity		9.7 NTU	0.5	EPA-180.1 1978

MW267

SG01-02

C-746 S&T QUARTERLY - JANUARY SG01-02

MW267SG2-01

Collected: 1/2/2001

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		53	mg/L		2	SW846-9056
Nitrate as Nitrogen		1.8	mg/L		1	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		30.21	Inches/Hg			
Conductivity		348	umho/cm			
Depth to Water		59.4	ft			
Dissolved Oxygen		4.92	mg/L			
pH		5.9	Std Unit			
Temperature		55.4	deg F			
<b>METAL</b>						
Barium		0.229	mg/L		0.025	SW846-6010A
Beryllium	U	0.005	mg/L		0.005	SW846-6010A
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium		0.172	mg/L		0.025	SW846-6010A
Cobalt	U	0.025	mg/L		0.025	SW846-6010A
Copper	U	0.025	mg/L		0.025	SW846-6010A
Iron		0.689	mg/L		0.2	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Silver	BU	0.025	mg/L		0.025	SW846-6010A
Sodium		34.7	mg/L		2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.025	mg/L		0.025	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A
<b>METAL-D</b>						
Barium, Dissolved	*N	0.213	mg/L		0.025	SW846-6010A
Chromium, Dissolved	*BNU	0.025	mg/L		0.025	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids	X	209	mg/L		50	EPA-160.2
<b>RADS</b>						
Alpha activity	U	0.819	pCi/L	0.518	8.58	EPA-900.0
Beta activity		7.51	pCi/L	1.47	4.44	EPA-900.0
Technetium-99		17.2	pCi/L	11.7	16.5	RL-7100
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260

**MW267****SG01-02****C-746 S&T QUARTERLY - JANUARY SG01-02**

2-Chloroethyl vinyl ether	JU	0.01 mg/L	0.01	SW846-8260
2-Hexanone	U	0.01 mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01 mg/L	0.01	SW846-8260
Acetone	U	0.01 mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01 mg/L	0.01	SW846-8260
Benzene	U	0.005 mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromoform	U	0.005 mg/L	0.005	SW846-8260
Bromomethane	U	0.005 mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005 mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005 mg/L	0.005	SW846-8260
Chloroethane	U	0.005 mg/L	0.005	SW846-8260
Chloromethane	U	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Dibromomethane	U	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005 mg/L	0.005	SW846-8260
Ethyl methacrylate	U	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	JU	0.005 mg/L	0.005	SW846-8260
Methylene chloride	U	0.01 mg/L	0.01	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Total Organic Carbon (TOC)	BU	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.05 mg/L	0.05	SW846-9020B
Turbidity		2.3 NTU	0.5	EPA-180.1 1978

## MW179

## SG01-03

## C-746 S&amp;T QUARTERLY - APRIL SG01-03

## MW179SG3-01

Collected: 4/11/2001

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		40.8	mg/L		2	SW846-9056
Nitrate as Nitrogen		1.1	mg/L		1	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.29	Inches/Hg			
Conductivity		844	umho/cm			
Depth to Water		35.56	ft			
Dissolved Oxygen		1.68	mg/L			
pH		6.07	Std Unit			
Temperature		62.6	deg F			
<b>METAL</b>						
Barium		0.025	mg/L		0.025	SW846-6010A
Beryllium	U	0.005	mg/L		0.005	SW846-6010A
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.025	mg/L		0.025	SW846-6010A
Cobalt	U	0.025	mg/L		0.025	SW846-6010A
Copper	U	0.025	mg/L		0.025	SW846-6010A
Iron	U	0.2	mg/L		0.2	SW846-6010A
Mercury	UW	0.0002	mg/L		0.0002	SW846-7470
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Selenium	BUW	0.005	mg/L		0.005	SW846-7740
Silver	BU	0.025	mg/L		0.025	SW846-6010A
Sodium	N	67	mg/L		2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.025	mg/L		0.025	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A
<b>METAL-D</b>						
Barium, Dissolved		0.025	mg/L		0.025	SW846-6010A
Chromium, Dissolved	U	0.025	mg/L		0.025	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		585	mg/L		48	EPA-160.2
<b>RADS</b>						
Alpha activity	U	2.73	pCi/L	0.805	6.7	EPA-900.0
Beta activity		276	pCi/L	13.5	5.96	EPA-900.0
Technetium-99		339	pCi/L	20.6	17.2	RL-7100
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260

**MW179****SG01-03****C-746 S&T QUARTERLY - APRIL SG01-03**

2-Chloroethyl vinyl ether	JU	0.01 mg/L	0.01	SW846-8260
2-Hexanone	JU	0.01 mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01 mg/L	0.01	SW846-8260
Acetone	JU	0.01 mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01 mg/L	0.01	SW846-8260
Benzene	U	0.005 mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromoform	U	0.005 mg/L	0.005	SW846-8260
Bromomethane	U	0.005 mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005 mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005 mg/L	0.005	SW846-8260
Chloroethane	U	0.005 mg/L	0.005	SW846-8260
Chloromethane	U	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Dibromomethane	U	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005 mg/L	0.005	SW846-8260
Ethyl methacrylate	U	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	JU	0.005 mg/L	0.005	SW846-8260
Methylene chloride	JU	0.01 mg/L	0.01	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	Y	0.007 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Total Organic Carbon (TOC)		1.2 mg/L	1	SW846-9060
Total Organic Halides (TOX)	UY	0.05 mg/L	0.05	SW846-9020B
Turbidity		1.5 NTU	0.5	EPA-180.1 1978



## MW220

## SG01-03

## C-746 S&amp;T QUARTERLY - APRIL SG01-03

## MW220SG3-01

Collected: 4/9/2001

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		37.8	mg/L		2	SW846-9056
Nitrate as Nitrogen	*	1.4	mg/L		1	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.41	Inches/Hg			
Conductivity		372	umho/cm			
Depth to Water		58.25	ft			
Dissolved Oxygen		8.89	mg/L			
pH		6.14	Std Unit			
Temperature		63.6	deg F			
<b>METAL</b>						
Barium		0.214	mg/L		0.025	SW846-6010A
Beryllium	U	0.005	mg/L		0.005	SW846-6010A
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium		0.042	mg/L		0.025	SW846-6010A
Cobalt	U	0.025	mg/L		0.025	SW846-6010A
Copper	U	0.025	mg/L		0.025	SW846-6010A
Iron	U	0.2	mg/L		0.2	SW846-6010A
Mercury	UW	0.0002	mg/L		0.0002	SW846-7470
Nickel		0.613	mg/L		0.05	SW846-6010A
Selenium	BUW	0.005	mg/L		0.005	SW846-7740
Silver	BU	0.025	mg/L		0.025	SW846-6010A
Sodium	N	39.5	mg/L		2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.025	mg/L		0.025	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A
<b>METAL-D</b>						
Barium, Dissolved		0.186	mg/L		0.025	SW846-6010A
Chromium, Dissolved		0.027	mg/L		0.025	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		216	mg/L		48	EPA-160.2
<b>RADS</b>						
Alpha activity	U	0.94	pCi/L	0.768	4.96	EPA-900.0
Beta activity		11.5	pCi/L	1.94	4.45	EPA-900.0
Technetium-99		19.4	pCi/L	12.2	17.2	RL-7100
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	JU	0.01	mg/L		0.01	SW846-8260

**MW220****SG01-03****C-746 S&T QUARTERLY - APRIL SG01-03**

2-Hexanone	JU	0.01 mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	JU	0.01 mg/L	0.01	SW846-8260
Acetone	U	0.01 mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01 mg/L	0.01	SW846-8260
Benzene	U	0.005 mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromoform	U	0.005 mg/L	0.005	SW846-8260
Bromomethane	U	0.005 mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005 mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005 mg/L	0.005	SW846-8260
Chloroethane	U	0.005 mg/L	0.005	SW846-8260
Chloromethane	U	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Dibromomethane	U	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005 mg/L	0.005	SW846-8260
Ethyl methacrylate	U	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	U	0.005 mg/L	0.005	SW846-8260
Methylene chloride	U	0.01 mg/L	0.01	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	UY	0.05 mg/L	0.05	SW846-9020B
Turbidity		1.6 NTU	0.5	EPA-180.1 1978

## MW221

## SG01-03

## C-746 S&amp;T QUARTERLY - APRIL SG01-03

## MW221SG3-01

Collected: 4/10/2001

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		47.9	mg/L		2	SW846-9056
Nitrate as Nitrogen		1.8	mg/L		1	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.41	Inches/Hg			
Conductivity		423	umho/cm			
Depth to Water		67.6	ft			
Dissolved Oxygen		4.88	mg/L			
pH		5.93	Std Unit			
Temperature		62.4	deg F			
<b>METAL</b>						
Barium		0.256	mg/L		0.025	SW846-6010A
Beryllium	U	0.005	mg/L		0.005	SW846-6010A
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium		0.076	mg/L		0.025	SW846-6010A
Cobalt	U	0.025	mg/L		0.025	SW846-6010A
Copper	U	0.025	mg/L		0.025	SW846-6010A
Iron		0.488	mg/L		0.2	SW846-6010A
Mercury	UW	0.0002	mg/L		0.0002	SW846-7470
Nickel		0.284	mg/L		0.05	SW846-6010A
Selenium	BUW	0.005	mg/L		0.005	SW846-7740
Silver	BU	0.025	mg/L		0.025	SW846-6010A
Sodium	N	45.4	mg/L		2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.025	mg/L		0.025	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A
<b>METAL-D</b>						
Barium, Dissolved		0.229	mg/L		0.025	SW846-6010A
Chromium, Dissolved	U	0.025	mg/L		0.025	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		252	mg/L		48	EPA-160.2
<b>RADS</b>						
Alpha activity	U	3.65	pCi/L	2.31	5.18	EPA-900.0
Beta activity		7.59	pCi/L	1.46	4.55	EPA-900.0
Technetium-99	U	5.37	pCi/L	11.8	17.2	RL-7100
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260

**MW221****SG01-03****C-746 S&T QUARTERLY - APRIL SG01-03**

2-Chloroethyl vinyl ether	JU	0.01 mg/L	0.01	SW846-8260
2-Hexanone	JU	0.01 mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01 mg/L	0.01	SW846-8260
Acetone	JU	0.01 mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01 mg/L	0.01	SW846-8260
Benzene	U	0.005 mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromoform	U	0.005 mg/L	0.005	SW846-8260
Bromomethane	U	0.005 mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005 mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005 mg/L	0.005	SW846-8260
Chloroethane	U	0.005 mg/L	0.005	SW846-8260
Chloromethane	U	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Dibromomethane	U	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005 mg/L	0.005	SW846-8260
Ethyl methacrylate	U	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	JU	0.005 mg/L	0.005	SW846-8260
Methylene chloride	JU	0.01 mg/L	0.01	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	Y	0.002 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	UY	0.05 mg/L	0.05	SW846-9020B
Turbidity		1.5 NTU	0.5	EPA-180.1 1978

MW222

SG01-03

C-746 S&T QUARTERLY - APRIL SG01-03

MW222SG3-01

Collected: 4/11/2001

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		31.2	mg/L		2	SW846-9056
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.29	Inches/Hg			
Conductivity		369	umho/cm			
Depth to Water		71.5	ft			
Dissolved Oxygen		1.4	mg/L			
pH		6.22	Std Unit			
Temperature		62.6	deg F			
<b>METAL</b>						
Barium		0.289	mg/L		0.025	SW846-6010A
Beryllium	U	0.005	mg/L		0.005	SW846-6010A
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium		0.03	mg/L		0.025	SW846-6010A
Cobalt	U	0.025	mg/L		0.025	SW846-6010A
Copper	U	0.025	mg/L		0.025	SW846-6010A
Iron		7.49	mg/L		0.2	SW846-6010A
Mercury	UW	0.0002	mg/L		0.0002	SW846-7470
Nickel		0.093	mg/L		0.05	SW846-6010A
Selenium	BUW	0.005	mg/L		0.005	SW846-7740
Silver	BU	0.025	mg/L		0.025	SW846-6010A
Sodium	N	46.4	mg/L		2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.025	mg/L		0.025	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A
<b>METAL-D</b>						
Barium, Dissolved		0.25	mg/L		0.025	SW846-6010A
Chromium, Dissolved	U	0.025	mg/L		0.025	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		242	mg/L		48	EPA-160.2
<b>RADS</b>						
Alpha activity	U	4.42	pCi/L	2.67	5.01	EPA-900.0
Beta activity	U	4.05	pCi/L	0.9	4.47	EPA-900.0
Technetium-99	U	10.6	pCi/L	11.9	17.2	RL-7100
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260

**MW222****SG01-03****C-746 S&T QUARTERLY - APRIL SG01-03**

2-Chloroethyl vinyl ether	JU	0.01 mg/L	0.01	SW846-8260
2-Hexanone	JU	0.01 mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01 mg/L	0.01	SW846-8260
Acetone	JU	0.01 mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01 mg/L	0.01	SW846-8260
Benzene	U	0.005 mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromoform	U	0.005 mg/L	0.005	SW846-8260
Bromomethane	U	0.005 mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005 mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005 mg/L	0.005	SW846-8260
Chloroethane	U	0.005 mg/L	0.005	SW846-8260
Chloromethane	U	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Dibromomethane	U	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005 mg/L	0.005	SW846-8260
Ethyl methacrylate	U	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	JU	0.005 mg/L	0.005	SW846-8260
Methylene chloride	JU	0.01 mg/L	0.01	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	UY	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.05 mg/L	0.05	SW846-9020B
Turbidity		100 NTU	0.5	EPA-180.1 1978

MW223

SG01-03

C-746 S&T QUARTERLY - APRIL SG01-03

MW223SG3-01

Collected: 4/10/2001

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		43.1	mg/L		2	SW846-9056
Nitrate as Nitrogen		2	mg/L		1	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.38	Inches/Hg			
Conductivity		384	umho/cm			
Depth to Water		70.82	ft			
Dissolved Oxygen		4.39	mg/L			
pH		5.97	Std Unit			
Temperature		63.2	deg F			
<b>METAL</b>						
Barium		0.212	mg/L		0.025	SW846-6010A
Beryllium	U	0.005	mg/L		0.005	SW846-6010A
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium		0.476	mg/L		0.025	SW846-6010A
Cobalt	U	0.025	mg/L		0.025	SW846-6010A
Copper	U	0.025	mg/L		0.025	SW846-6010A
Iron		4.1	mg/L		0.2	SW846-6010A
Mercury	UW	0.0002	mg/L		0.0002	SW846-7470
Nickel		0.595	mg/L		0.05	SW846-6010A
Selenium	BUW	0.005	mg/L		0.005	SW846-7740
Silver	BU	0.025	mg/L		0.025	SW846-6010A
Sodium	N	43.1	mg/L		2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.025	mg/L		0.025	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A
<b>METAL-D</b>						
Barium, Dissolved		0.199	mg/L		0.025	SW846-6010A
Chromium, Dissolved	U	0.025	mg/L		0.025	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		222	mg/L		48	EPA-160.2
<b>RADS</b>						
Alpha activity	U	2.93	pCi/L	1.96	4.91	EPA-900.0
Beta activity		7.41	pCi/L	1.43	4.43	EPA-900.0
Technetium-99	U	12.8	pCi/L	12	17.2	RL-7100
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260

**MW223****SG01-03****C-746 S&T QUARTERLY - APRIL SG01-03**

2-Chloroethyl vinyl ether	JU	0.01 mg/L	0.01	SW846-8260
2-Hexanone	JU	0.01 mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01 mg/L	0.01	SW846-8260
Acetone	JU	0.01 mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01 mg/L	0.01	SW846-8260
Benzene	U	0.005 mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromoform	U	0.005 mg/L	0.005	SW846-8260
Bromomethane	U	0.005 mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005 mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005 mg/L	0.005	SW846-8260
Chloroethane	U	0.005 mg/L	0.005	SW846-8260
Chloromethane	U	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Dibromomethane	U	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005 mg/L	0.005	SW846-8260
Ethyl methacrylate	U	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	JU	0.005 mg/L	0.005	SW846-8260
Methylene chloride	JU	0.01 mg/L	0.01	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	UY	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.05 mg/L	0.05	SW846-9020B
Turbidity		23 NTU	0.5	EPA-180.1 1978



## MW224

## SG01-03

## C-746 S&amp;T QUARTERLY - APRIL SG01-03

## MW224SG3-01

Collected: 4/10/2001

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		37.3	mg/L		2	SW846-9056
Nitrate as Nitrogen		1.3	mg/L		1	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.41	Inches/Hg			
Conductivity		448	umho/cm			
Depth to Water		72.18	ft			
Dissolved Oxygen		3.78	mg/L			
pH		6.07	Std Unit			
Temperature		65.3	deg F			
<b>METAL</b>						
Barium		0.236	mg/L		0.025	SW846-6010A
Beryllium	U	0.005	mg/L		0.005	SW846-6010A
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.025	mg/L		0.025	SW846-6010A
Cobalt	U	0.025	mg/L		0.025	SW846-6010A
Copper	U	0.025	mg/L		0.025	SW846-6010A
Iron	U	0.2	mg/L		0.2	SW846-6010A
Mercury	UW	0.0002	mg/L		0.0002	SW846-7470
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Selenium	BUW	0.005	mg/L		0.005	SW846-7740
Silver	BU	0.025	mg/L		0.025	SW846-6010A
Sodium	N	52.8	mg/L		2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.025	mg/L		0.025	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A
<b>METAL-D</b>						
Barium, Dissolved		0.245	mg/L		0.025	SW846-6010A
Chromium, Dissolved	U	0.025	mg/L		0.025	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids	*	250	mg/L		48	EPA-160.2
<b>RADS</b>						
Alpha activity	U	3.53	pCi/L	2.36	5.31	EPA-900.0
Beta activity	U	4.31	pCi/L	0.951	4.61	EPA-900.0
Technetium-99	U	10.5	pCi/L	11.9	17.2	RL-7100
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260

**MW224****SG01-03****C-746 S&T QUARTERLY - APRIL SG01-03**

2-Chloroethyl vinyl ether	JU	0.01 mg/L	0.01	SW846-8260
2-Hexanone	JU	0.01 mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01 mg/L	0.01	SW846-8260
Acetone	JU	0.01 mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01 mg/L	0.01	SW846-8260
Benzene	U	0.005 mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromoform	U	0.005 mg/L	0.005	SW846-8260
Bromomethane	U	0.005 mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005 mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005 mg/L	0.005	SW846-8260
Chloroethane	U	0.005 mg/L	0.005	SW846-8260
Chloromethane	U	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Dibromomethane	U	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005 mg/L	0.005	SW846-8260
Ethyl methacrylate	U	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	JU	0.005 mg/L	0.005	SW846-8260
Methylene chloride	JU	0.01 mg/L	0.01	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	Y	0.002 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	UY	0.05 mg/L	0.05	SW846-9020B
Turbidity	U	0.5 NTU	0.5	EPA-180.1 1978

**MW263**

**SG01-03**

**C-746 S&T QUARTERLY - APRIL SG01-03**

**MW263SG3-01**

Collected: 4/10/2001

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		50	mg/L		2	SW846-9056
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.41	Inches/Hg			
Conductivity		529	umho/cm			
Depth to Water		35.52	ft			
Dissolved Oxygen		1.85	mg/L			
pH		6.17	Std Unit			
Temperature		65.2	deg F			
<b>METAL</b>						
Barium		0.075	mg/L		0.025	SW846-6010A
Beryllium	U	0.005	mg/L		0.005	SW846-6010A
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium		0.466	mg/L		0.025	SW846-6010A
Cobalt	U	0.025	mg/L		0.025	SW846-6010A
Copper	U	0.025	mg/L		0.025	SW846-6010A
Iron		5.12	mg/L		0.2	SW846-6010A
Mercury	UW	0.0002	mg/L		0.0002	SW846-7470
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Selenium	BUW	0.005	mg/L		0.005	SW846-7740
Silver	BU	0.025	mg/L		0.025	SW846-6010A
Sodium	N	50	mg/L		2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.025	mg/L		0.025	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A
<b>METAL-D</b>						
Barium, Dissolved		0.065	mg/L		0.025	SW846-6010A
Chromium, Dissolved	U	0.025	mg/L		0.025	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		313	mg/L		48	EPA-160.2
<b>RADS</b>						
Alpha activity	U	2.39	pCi/L	1.59	5.54	EPA-900.0
Beta activity		16.3	pCi/L	2.5	4.73	EPA-900.0
Technetium-99		20.8	pCi/L	12.3	17.2	RL-7100
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260

**MW263****SG01-03****C-746 S&T QUARTERLY - APRIL SG01-03**

2-Chloroethyl vinyl ether	JU	0.01 mg/L	0.01	SW846-8260
2-Hexanone	JU	0.01 mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01 mg/L	0.01	SW846-8260
Acetone	JU	0.01 mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01 mg/L	0.01	SW846-8260
Benzene	U	0.005 mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromoform	U	0.005 mg/L	0.005	SW846-8260
Bromomethane	U	0.005 mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005 mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005 mg/L	0.005	SW846-8260
Chloroethane	U	0.005 mg/L	0.005	SW846-8260
Chloromethane	U	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Dibromomethane	U	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005 mg/L	0.005	SW846-8260
Ethyl methacrylate	U	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	JU	0.005 mg/L	0.005	SW846-8260
Methylene chloride	JU	0.01 mg/L	0.01	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	Y	0.018 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.05 mg/L	0.05	SW846-9020B
Turbidity		37 NTU	0.5	EPA-180.1 1978

MW264

SG01-03

C-746 S&T QUARTERLY - APRIL SG01-03

MW264SG3-01

Collected: 4/9/2001

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		38.6	mg/L		2	SW846-9056
Nitrate as Nitrogen	*U	1	mg/L		1	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.44	Inches/Hg			
Conductivity		495	umho/cm			
Depth to Water		41.88	ft			
Dissolved Oxygen		1.14	mg/L			
pH		6.17	Std Unit			
Temperature		64.3	deg F			
<b>METAL</b>						
Barium		0.142	mg/L		0.025	SW846-6010A
Beryllium	U	0.005	mg/L		0.005	SW846-6010A
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.025	mg/L		0.025	SW846-6010A
Cobalt	U	0.025	mg/L		0.025	SW846-6010A
Copper	U	0.025	mg/L		0.025	SW846-6010A
Iron		0.216	mg/L		0.2	SW846-6010A
Mercury	UW	0.0002	mg/L		0.0002	SW846-7470
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Selenium	BUW	0.005	mg/L		0.005	SW846-7740
Silver	BU	0.025	mg/L		0.025	SW846-6010A
Sodium	N	43	mg/L		2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.025	mg/L		0.025	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A
<b>METAL-D</b>						
Barium, Dissolved		0.144	mg/L		0.025	SW846-6010A
Chromium, Dissolved	U	0.025	mg/L		0.025	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		305	mg/L		48	EPA-160.2
<b>RADS</b>						
Alpha activity	U	2.13	pCi/L	1.61	5.54	EPA-900.0
Beta activity		7.77	pCi/L	1.5	4.73	EPA-900.0
Technetium-99	U	2	pCi/L	11.4	17.2	RL-7100
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	JU	0.01	mg/L		0.01	SW846-8260

**MW264****SG01-03****C-746 S&T QUARTERLY - APRIL SG01-03**

2-Hexanone	JU	0.01 mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	JU	0.01 mg/L	0.01	SW846-8260
Acetone	U	0.01 mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01 mg/L	0.01	SW846-8260
Benzene	U	0.005 mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromoform	U	0.005 mg/L	0.005	SW846-8260
Bromomethane	U	0.005 mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005 mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005 mg/L	0.005	SW846-8260
Chloroethane	U	0.005 mg/L	0.005	SW846-8260
Chloromethane	U	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Dibromomethane	U	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005 mg/L	0.005	SW846-8260
Ethyl methacrylate	U	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	U	0.005 mg/L	0.005	SW846-8260
Methylene chloride	U	0.01 mg/L	0.01	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	UX	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.05 mg/L	0.05	SW846-9020B
Turbidity		2.1 NTU	0.5	EPA-180.1 1978

MW266

SG01-03

C-746 S&T QUARTERLY - APRIL SG01-03

MW266SG3-01

Collected: 4/9/2001

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		61.4	mg/L		2	SW846-9056
Nitrate as Nitrogen	*	1.4	mg/L		1	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.44	Inches/Hg			
Conductivity		546	umho/cm			
Depth to Water		41.73	ft			
Dissolved Oxygen		1.03	mg/L			
pH		6	Std Unit			
Temperature		64.8	deg F			
<b>METAL</b>						
Barium		0.055	mg/L		0.025	SW846-6010A
Beryllium	U	0.005	mg/L		0.005	SW846-6010A
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium		0.779	mg/L		0.025	SW846-6010A
Cobalt	U	0.025	mg/L		0.025	SW846-6010A
Copper		0.041	mg/L		0.025	SW846-6010A
Iron		9.59	mg/L		0.2	SW846-6010A
Mercury	UW	0.0002	mg/L		0.0002	SW846-7470
Nickel		0.328	mg/L		0.05	SW846-6010A
Selenium	BUW	0.005	mg/L		0.005	SW846-7740
Silver	BU	0.025	mg/L		0.025	SW846-6010A
Sodium	N	40.2	mg/L		2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.025	mg/L		0.025	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A
<b>METAL-D</b>						
Barium, Dissolved		0.057	mg/L		0.025	SW846-6010A
Chromium, Dissolved	U	0.025	mg/L		0.025	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		344	mg/L		48	EPA-160.2
<b>RADS</b>						
Alpha activity	U	4.83	pCi/L	2.79	5.75	EPA-900.0
Beta activity		12.2	pCi/L	2.09	4.86	EPA-900.0
Technetium-99	U	1.26	pCi/L	11.4	17.2	RL-7100
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	JU	0.01	mg/L		0.01	SW846-8260

**MW266****SG01-03****C-746 S&T QUARTERLY - APRIL SG01-03**

2-Hexanone	JU	0.01 mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	JU	0.01 mg/L	0.01	SW846-8260
Acetone	U	0.01 mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01 mg/L	0.01	SW846-8260
Benzene	U	0.005 mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromoform	U	0.005 mg/L	0.005	SW846-8260
Bromomethane	U	0.005 mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005 mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005 mg/L	0.005	SW846-8260
Chloroethane	U	0.005 mg/L	0.005	SW846-8260
Chloromethane	U	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Dibromomethane	U	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005 mg/L	0.005	SW846-8260
Ethyl methacrylate	U	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	U	0.005 mg/L	0.005	SW846-8260
Methylene chloride	U	0.01 mg/L	0.01	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene		0.016 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	UY	0.05 mg/L	0.05	SW846-9020B
Turbidity		50 NTU	0.5	EPA-180.1 1978



## MW267

## SG01-03

## C-746 S&amp;T QUARTERLY - APRIL SG01-03

## MW267SG3-01

Collected: 4/9/2001

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		52.8	mg/L		2	SW846-9056
Nitrate as Nitrogen	*	2	mg/L		1	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.41	Inches/Hg			
Conductivity		441	umho/cm			
Depth to Water		57.39	ft			
Dissolved Oxygen		1.33	mg/L			
pH		6.15	Std Unit			
Temperature		64.4	deg F			
<b>METAL</b>						
Barium		0.236	mg/L		0.025	SW846-6010A
Beryllium	U	0.005	mg/L		0.005	SW846-6010A
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium		0.145	mg/L		0.025	SW846-6010A
Cobalt	U	0.025	mg/L		0.025	SW846-6010A
Copper	U	0.025	mg/L		0.025	SW846-6010A
Iron		0.661	mg/L		0.2	SW846-6010A
Mercury	UW	0.0002	mg/L		0.0002	SW846-7470
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Selenium	BUW	0.005	mg/L		0.005	SW846-7740
Silver	BU	0.025	mg/L		0.025	SW846-6010A
Sodium	N	41.5	mg/L		2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.025	mg/L		0.025	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A
<b>METAL-D</b>						
Barium, Dissolved		0.22	mg/L		0.025	SW846-6010A
Chromium, Dissolved	U	0.025	mg/L		0.025	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		236	mg/L		48	EPA-160.2
<b>RADS</b>						
Alpha activity	U	0.901	pCi/L	0.736	5.1	EPA-900.0
Beta activity		12.3	pCi/L	2.04	4.51	EPA-900.0
Technetium-99	U	15.8	pCi/L	12.1	17.2	RL-7100
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	JU	0.01	mg/L		0.01	SW846-8260

**MW267****SG01-03****C-746 S&T QUARTERLY - APRIL SG01-03**

2-Hexanone	JU	0.01 mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	JU	0.01 mg/L	0.01	SW846-8260
Acetone	U	0.01 mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01 mg/L	0.01	SW846-8260
Benzene	U	0.005 mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromoform	U	0.005 mg/L	0.005	SW846-8260
Bromomethane	U	0.005 mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005 mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005 mg/L	0.005	SW846-8260
Chloroethane	U	0.005 mg/L	0.005	SW846-8260
Chloromethane	U	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Dibromomethane	U	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005 mg/L	0.005	SW846-8260
Ethyl methacrylate	U	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	U	0.005 mg/L	0.005	SW846-8260
Methylene chloride	U	0.01 mg/L	0.01	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.05 mg/L	0.05	SW846-9020B
Turbidity		3 NTU	0.5	EPA-180.1 1978

MW267

SG01-03

C-746 S&T QUARTERLY - APRIL SG01-03

MW267DSG3-01

Collected: 4/9/2001

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		51.8	mg/L		2	SW846-9056
Nitrate as Nitrogen	*	1.9	mg/L		1	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.41	Inches/Hg			
Conductivity		441	umho/cm			
Depth to Water		57.39	ft			
Dissolved Oxygen		1.33	mg/L			
pH		6.15	Std Unit			
Temperature		64.4	deg F			
<b>METAL</b>						
Barium		0.236	mg/L		0.025	SW846-6010A
Beryllium	U	0.005	mg/L		0.005	SW846-6010A
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium		0.053	mg/L		0.025	SW846-6010A
Cobalt	U	0.025	mg/L		0.025	SW846-6010A
Copper	U	0.025	mg/L		0.025	SW846-6010A
Iron		0.27	mg/L		0.2	SW846-6010A
Mercury	UW	0.0002	mg/L		0.0002	SW846-7470
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Selenium	BUW	0.005	mg/L		0.005	SW846-7740
Silver	BU	0.025	mg/L		0.025	SW846-6010A
Sodium	N	39.7	mg/L		2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.025	mg/L		0.025	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A
<b>METAL-D</b>						
Barium, Dissolved		0.219	mg/L		0.025	SW846-6010A
Chromium, Dissolved	U	0.025	mg/L		0.025	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		224	mg/L		48	EPA-160.2
<b>RADS</b>						
Alpha activity	U	4.25	pCi/L	2.46	4.87	EPA-900.0
Beta activity		9.5	pCi/L	1.7	4.42	EPA-900.0
Technetium-99	U	10.6	pCi/L	11.8	17.2	RL-7100
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	JU	0.01	mg/L		0.01	SW846-8260

**MW267****SG01-03****C-746 S&T QUARTERLY - APRIL SG01-03**

2-Hexanone	JU	0.01 mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	JU	0.01 mg/L	0.01	SW846-8260
Acetone	U	0.01 mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01 mg/L	0.01	SW846-8260
Benzene	U	0.005 mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromoform	U	0.005 mg/L	0.005	SW846-8260
Bromomethane	U	0.005 mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005 mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005 mg/L	0.005	SW846-8260
Chloroethane	U	0.005 mg/L	0.005	SW846-8260
Chloromethane	U	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Dibromomethane	U	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005 mg/L	0.005	SW846-8260
Ethyl methacrylate	U	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	U	0.005 mg/L	0.005	SW846-8260
Methylene chloride	U	0.01 mg/L	0.01	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.05 mg/L	0.05	SW846-9020B
Turbidity		1.8 NTU	0.5	EPA-180.1 1978

MW179

SG01-04

C-746 S&T QUARTERLY - JULY SG01-04

MW179SG4-01

Collected: 7/17/2001

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		40.5	mg/L		2	SW846-9056
Fluoride		0.18	mg/L		0.1	9214
Nitrate as Nitrogen		1.5	mg/L		1	SW846-9056
Sulfate		161.2	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.56	Inches/Hg			
Conductivity		755	umho/cm			
Depth to Water		36.17	ft			
Dissolved Oxygen		2.09	mg/L			
pH		6.1	Std Unit			
Redox		305	mV			
Temperature		66.1	deg F			
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium	U	0.025	mg/L		0.025	SW846-6010A
Beryllium	U	0.005	mg/L		0.005	SW846-6010A
Boron	JU	2	mg/L		2	SW846-6010A
Bromide	U	1	mg/L		1	SW846-9056
Cadmium	BUW	0.005	mg/L		0.005	SW846-7131
Calcium	N	73.5	mg/L		1	SW846-6010A
Chromium	NU	0.025	mg/L		0.025	SW846-6010A
Cobalt	U	0.025	mg/L		0.025	SW846-6010A
Copper	U	0.025	mg/L		0.025	SW846-6010A
Iron	NU	0.2	mg/L		0.2	SW846-6010A
Magnesium		20.2	mg/L		0.025	SW846-6010A
Manganese	U	0.025	mg/L		0.025	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	U	0.05	mg/L		0.05	SW846-6010A
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Potassium		2	mg/L		2	SW846-6010A
Rhodium	BUX	0.2	mg/L		0.2	SW846-6010A
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Silver	BU	0.025	mg/L		0.025	SW846-6010A
Sodium	N	70.7	mg/L		2	SW846-6010A
Tantalum	UX	0.2	mg/L		0.2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.025	mg/L		0.025	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		510	mg/L		48	EPA-160.2
<b>PCCB</b>						
PCB-1016	U	0.00015	mg/L		0.0002	SW846-8082
PCB-1221	U	0.00017	mg/L		0.0002	SW846-8082
PCB-1232	U	0.00017	mg/L		0.0002	SW846-8082
PCB-1242	U	0.00016	mg/L		0.0002	SW846-8082
PCB-1248	U	0.00016	mg/L		0.0002	SW846-8082
PCB-1254	U	0.00017	mg/L		0.0002	SW846-8082
PCB-1260	U	0.0001	mg/L		0.0001	SW846-8082

## MW179

## SG01-04

## C-746 S&amp;T QUARTERLY - JULY SG01-04

PCB-1268	U	0.0001	mg/L	0.0001	SW846-8082
Polychlorinated biphenyl	U	0.00017	mg/L	0.0002	SW846-8082
<b>RADS</b>					
Alpha activity	U	-5.91	pCi/L	1.72	9.23 EPA-900.0
Beta activity		392	pCi/L	15.9	7.12 EPA-900.0
Iodine-131	U	7.97	pCi/L	15.9	20.8 RL-7124
Radium-226	UX	5.8	pCi/L	11.6	8.47 RL-7124
Strontium-90	U	0.3	pCi/L	1.74	3.14 XP4-TS-RL7390
Technetium-99		506	pCi/L	25.1	18.9 RL-7100
Tritium	U	-127	pCi/L	163.15	277 704R5
<b>VOA</b>					
1,1,1,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
2-Butanone	U	0.01	mg/L	0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L	0.01	SW846-8260
2-Hexanone	U	0.01	mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	JU	0.01	mg/L	0.01	SW846-8260
Acetone	JU	0.01	mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L	0.01	SW846-8260
Benzene	U	0.005	mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromoform	U	0.005	mg/L	0.005	SW846-8260
Bromomethane	U	0.005	mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L	0.005	SW846-8260
Chloroethane	U	0.005	mg/L	0.005	SW846-8260
Chloromethane	U	0.005	mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Dibromomethane	U	0.005	mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	0.005	SW846-8260
Ethyl methacrylate	JU	0.005	mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L	0.005	SW846-8260
Iodomethane	U	0.005	mg/L	0.005	SW846-8260
Methylene chloride	U	0.01	mg/L	0.01	SW846-8260
Styrene	U	0.005	mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L	0.005	SW846-8260
Toluene	U	0.005	mg/L	0.005	SW846-8260
Total Xylene	U	0.015	mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L	0.005	SW846-8260

**MW179**

**SG01-04**

**C-746 S&T QUARTERLY - JULY SG01-04**

Trichloroethene		0.009 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Cyanide	U	0.02 mg/L	0.02	SW846-9014
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		1.1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.05 mg/L	0.05	SW846-9020B
Turbidity		1.1 NTU	0.5	EPA-180.1 1978

# Paducah-OREIS Data Report

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12/18/2007

**MW220**

**SG01-04**

## C-746 S&T QUARTERLY - JULY SG01-04

**MW220SG4-01**

Collected: 7/19/2001

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		43.7	mg/L		2	SW846-9056
Fluoride		0.16	mg/L		0.1	9214
Nitrate as Nitrogen		1.5	mg/L		1	SW846-9056
Sulfate		10.9	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.56	Inches/Hg			
Conductivity		371	umho/cm			
Depth to Water		58.3	ft			
Dissolved Oxygen		5.3	mg/L			
pH		5.94	Std Unit			
Redox		305	mV			
Temperature		62.1	deg F			
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium		0.225	mg/L		0.025	SW846-6010A
Beryllium	U	0.005	mg/L		0.005	SW846-6010A
Boron	JU	2	mg/L		2	SW846-6010A
Bromide	U	1	mg/L		1	SW846-9056
Cadmium	BUW	0.005	mg/L		0.005	SW846-7131
Calcium	N	23.5	mg/L		1	SW846-6010A
Chromium	N	0.055	mg/L		0.025	SW846-6010A
Cobalt	U	0.025	mg/L		0.025	SW846-6010A
Copper	U	0.025	mg/L		0.025	SW846-6010A
Iron	NU	0.2	mg/L		0.2	SW846-6010A
Magnesium		9.46	mg/L		0.025	SW846-6010A
Manganese		0.122	mg/L		0.025	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	U	0.05	mg/L		0.05	SW846-6010A
Nickel		1	mg/L		0.05	SW846-6010A
Potassium		2.87	mg/L		2	SW846-6010A
Rhodium	BUX	0.2	mg/L		0.2	SW846-6010A
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Silver	BU	0.025	mg/L		0.025	SW846-6010A
Sodium	N	37.3	mg/L		2	SW846-6010A
Tantalum	UX	0.2	mg/L		0.2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.025	mg/L		0.025	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A
<b>METAL-D</b>						
Barium, Dissolved		0.224	mg/L		0.025	SW846-6010A
Chromium, Dissolved		0.04	mg/L		0.025	SW846-6010A
<b>PHYSIC</b>						
Dissolved Solids		209	mg/L		48	EPA-160.2
<b>PCB</b>						
PCB-1016	U	0.00015	mg/L		0.0002	SW846-8082
PCB-1221	U	0.00017	mg/L		0.0002	SW846-8082
PCB-1232	U	0.00017	mg/L		0.0002	SW846-8082
PCB-1242	U	0.00016	mg/L		0.0002	SW846-8082



## MW220

## SG01-04

## C-746 S&amp;T QUARTERLY - JULY SG01-04

PCB-1248	U	0.00016	mg/L	0.0002	SW846-8082
PCB-1254	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1260	U	0.0001	mg/L	0.0001	SW846-8082
PCB-1268	U	0.0001	mg/L	0.0001	SW846-8082
Polychlorinated biphenyl	U	0.00017	mg/L	0.0002	SW846-8082
<b>RADS</b>					
Alpha activity	U	0.834	pCi/L	0.482	5.33 EPA-900.0
Beta activity		8.88	pCi/L	1.46	5.24 EPA-900.0
Iodine-131	U	6.76	pCi/L	13.5	25.1 RL-7124
Radium-226	UX	1.85	pCi/L	3.71	6.21 RL-7124
Strontium-90	U	-0.49	pCi/L	1.32	3.33 XP4-TS-RL7390
Technetium-99	U	9.42	pCi/L	12.9	18.9 RL-7100
Tritium	U	-62.1	pCi/L	164.36	276 704R5
<b>VOA</b>					
1,1,1,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
2-Butanone	U	0.01	mg/L	0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L	0.01	SW846-8260
2-Hexanone	U	0.01	mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	JU	0.01	mg/L	0.01	SW846-8260
Acetone	JU	0.01	mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L	0.01	SW846-8260
Benzene	U	0.005	mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromoform	U	0.005	mg/L	0.005	SW846-8260
Bromomethane	U	0.005	mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L	0.005	SW846-8260
Chloroethane	U	0.005	mg/L	0.005	SW846-8260
Chloromethane	U	0.005	mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Dibromomethane	U	0.005	mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	0.005	SW846-8260
Ethyl methacrylate	JU	0.005	mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L	0.005	SW846-8260
Iodomethane	U	0.005	mg/L	0.005	SW846-8260
Methylene chloride	U	0.01	mg/L	0.01	SW846-8260
Styrene	U	0.005	mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L	0.005	SW846-8260
Toluene	U	0.005	mg/L	0.005	SW846-8260
Total Xylene	U	0.015	mg/L	0.015	SW846-8260

**MW220****SG01-04****C-746 S&T QUARTERLY - JULY SG01-04**

trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Cyanide	U	0.02 mg/L	0.02	SW846-9014
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.05 mg/L	0.05	SW846-9020B
Turbidity		1.9 NTU	0.5	EPA-180.1 1978

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MW221

SG01-04

C-746 S&amp;T QUARTERLY - JULY SG01-04

MW221SG4-01

Collected: 7/19/2001

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		46	mg/L		2	SW846-9056
Fluoride		0.15	mg/L		0.1	9214
Nitrate as Nitrogen		1.7	mg/L		1	SW846-9056
Sulfate		11.4	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.59	Inches/Hg			
Conductivity		420	umho/cm			
Depth to Water		67.89	ft			
Dissolved Oxygen		4.74	mg/L			
pH		5.93	Std Unit			
Redox		310	mV			
Temperature		64	deg F			
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium		0.238	mg/L		0.025	SW846-6010A
Beryllium	U	0.005	mg/L		0.005	SW846-6010A
Boron	JU	2	mg/L		2	SW846-6010A
Cadmium	BUW	0.005	mg/L		0.005	SW846-7131
Calcium	N	24.3	mg/L		1	SW846-6010A
Chromium	NU	0.025	mg/L		0.025	SW846-6010A
Cobalt	U	0.025	mg/L		0.025	SW846-6010A
Copper	U	0.025	mg/L		0.025	SW846-6010A
Iron	NU	0.2	mg/L		0.2	SW846-6010A
Magnesium		10.7	mg/L		0.025	SW846-6010A
Manganese	U	0.025	mg/L		0.025	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	U	0.05	mg/L		0.05	SW846-6010A
Nickel		0.163	mg/L		0.05	SW846-6010A
Potassium		3.22	mg/L		2	SW846-6010A
Rhodium	BUX	0.2	mg/L		0.2	SW846-6010A
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Silver	BU	0.025	mg/L		0.025	SW846-6010A
Sodium	N	45.9	mg/L		2	SW846-6010A
Tantalum	UX	0.2	mg/L		0.2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.025	mg/L		0.025	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A
<b>METAL-D</b>						
Barium, Dissolved		0.234	mg/L		0.025	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		230	mg/L		48	EPA-160.2
<b>PCCB</b>						
PCB-1016	U	0.00015	mg/L		0.0002	SW846-8082
PCB-1221	U	0.00017	mg/L		0.0002	SW846-8082
PCB-1232	U	0.00017	mg/L		0.0002	SW846-8082
PCB-1242	U	0.00016	mg/L		0.0002	SW846-8082
PCB-1248	U	0.00016	mg/L		0.0002	SW846-8082
PCB-1254	U	0.00017	mg/L		0.0002	SW846-8082

## MW221

## SG01-04

## C-746 S&amp;T QUARTERLY - JULY SG01-04

PCB-1260	U	0.0001	mg/L	0.0001	SW846-8082
PCB-1268	U	0.0001	mg/L	0.0001	SW846-8082
Polychlorinated biphenyl	U	0.00017	mg/L	0.0002	SW846-8082
<b>RADS</b>					
Alpha activity	U	-0.192	pCi/L	0.136	5.88 EPA-900.0
Beta activity	U	3.17	pCi/L	0.635	5.47 EPA-900.0
Iodine-131	U	-0.0193	pCi/L	386	347 RL-7124
Radium-226	JUX	6.47	pCi/L	2.12	7.1 RL-7124
Strontium-90	U	0.93	pCi/L	1.82	3.12 XP4-TS-RL7390
Technetium-99	U	5.91	pCi/L	12.8	18.9 RL-7100
Tritium	U	57.3	pCi/L	166.66	276 704R5
<b>VOA</b>					
1,1,1,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
2-Butanone	U	0.01	mg/L	0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L	0.01	SW846-8260
2-Hexanone	U	0.01	mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	JU	0.01	mg/L	0.01	SW846-8260
Acetone	JU	0.01	mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L	0.01	SW846-8260
Benzene	U	0.005	mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromoform	U	0.005	mg/L	0.005	SW846-8260
Bromomethane	U	0.005	mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L	0.005	SW846-8260
Chloroethane	U	0.005	mg/L	0.005	SW846-8260
Chloromethane	U	0.005	mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Dibromomethane	U	0.005	mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	0.005	SW846-8260
Ethyl methacrylate	JU	0.005	mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L	0.005	SW846-8260
Iodomethane	U	0.005	mg/L	0.005	SW846-8260
Methylene chloride	U	0.01	mg/L	0.01	SW846-8260
Styrene	U	0.005	mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L	0.005	SW846-8260
Toluene	U	0.005	mg/L	0.005	SW846-8260
Total Xylene	U	0.015	mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260

**MW221**

**SG01-04**

**C-746 S&T QUARTERLY - JULY SG01-04**

Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene		0.002 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Bromide	U	1 mg/L	1	SW846-9056
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Cyanide	U	0.02 mg/L	0.02	SW846-9014
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.05 mg/L	0.05	SW846-9020B
Turbidity		0.54 NTU	0.5	EPA-180.1 1978

# Paducah-OREIS Data Report

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**MW221**

**SG01-04**

## C-746 S&T QUARTERLY - JULY SG01-04

**MW221DSG4-01**

Collected: 7/19/2001

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		46.1	mg/L		2	SW846-9056
Fluoride		0.15	mg/L		0.1	9214
Nitrate as Nitrogen		1.7	mg/L		1	SW846-9056
Sulfate		11.5	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.59	Inches/Hg			
Conductivity		420	umho/cm			
Depth to Water		67.89	ft			
Dissolved Oxygen		4.74	mg/L			
pH		5.93	Std Unit			
Redox		310	mV			
Temperature		64	deg F			
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium		0.241	mg/L		0.025	SW846-6010A
Beryllium	U	0.005	mg/L		0.005	SW846-6010A
Boron	JU	2	mg/L		2	SW846-6010A
Bromide	U	1	mg/L		1	SW846-9056
Cadmium	BUW	0.005	mg/L		0.005	SW846-7131
Calcium	N	24.8	mg/L		1	SW846-6010A
Chromium	NU	0.025	mg/L		0.025	SW846-6010A
Cobalt	U	0.025	mg/L		0.025	SW846-6010A
Copper	U	0.025	mg/L		0.025	SW846-6010A
Iron	NU	0.2	mg/L		0.2	SW846-6010A
Magnesium		10.8	mg/L		0.025	SW846-6010A
Manganese	U	0.025	mg/L		0.025	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	U	0.05	mg/L		0.05	SW846-6010A
Nickel		0.104	mg/L		0.05	SW846-6010A
Potassium		2.54	mg/L		2	SW846-6010A
Rhodium	BUX	0.2	mg/L		0.2	SW846-6010A
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Silver	BU	0.025	mg/L		0.025	SW846-6010A
Sodium	N	46	mg/L		2	SW846-6010A
Tantalum	UX	0.2	mg/L		0.2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.025	mg/L		0.025	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A
<b>METAL-D</b>						
Barium, Dissolved		0.244	mg/L		0.025	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		245	mg/L		50	EPA-160.2
<b>PCCB</b>						
PCB-1016	U	0.00015	mg/L		0.0002	SW846-8082
PCB-1221	U	0.00017	mg/L		0.0002	SW846-8082
PCB-1232	U	0.00017	mg/L		0.0002	SW846-8082
PCB-1242	U	0.00016	mg/L		0.0002	SW846-8082
PCB-1248	U	0.00016	mg/L		0.0002	SW846-8082

## MW221

## SG01-04

## C-746 S&amp;T QUARTERLY - JULY SG01-04

PCB-1254	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1260	U	0.0001	mg/L	0.0001	SW846-8082
PCB-1268	U	0.0001	mg/L	0.0001	SW846-8082
Polychlorinated biphenyl	U	0.00017	mg/L	0.0002	SW846-8082
<b>RADS</b>					
Alpha activity	U	-0.146	pCi/L	0.103	5.87 EPA-900.0
Beta activity	U	2.41	pCi/L	0.497	5.46 EPA-900.0
Iodine-131	U	173	pCi/L	345	499 RL-7124
Radium-226	JUX	4.56	pCi/L	9.12	6.71 RL-7124
Strontium-90	U	-0.51	pCi/L	1.38	3.11 XP4-TS-RL7390
Technetium-99	U	6.9	pCi/L	12.9	18.9 RL-7100
Tritium	U	-23.9	pCi/L	165.1	276 704R5
<b>VOA</b>					
1,1,1,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
2-Butanone	U	0.01	mg/L	0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L	0.01	SW846-8260
2-Hexanone	U	0.01	mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	JU	0.01	mg/L	0.01	SW846-8260
Acetone	JU	0.01	mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L	0.01	SW846-8260
Benzene	U	0.005	mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromoform	U	0.005	mg/L	0.005	SW846-8260
Bromomethane	U	0.005	mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L	0.005	SW846-8260
Chloroethane	U	0.005	mg/L	0.005	SW846-8260
Chloromethane	U	0.005	mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Dibromomethane	U	0.005	mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	0.005	SW846-8260
Ethyl methacrylate	JU	0.005	mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L	0.005	SW846-8260
Iodomethane	U	0.005	mg/L	0.005	SW846-8260
Methylene chloride	U	0.01	mg/L	0.01	SW846-8260
Styrene	U	0.005	mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L	0.005	SW846-8260
Toluene	U	0.005	mg/L	0.005	SW846-8260
Total Xylene	U	0.015	mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260

**MW221****SG01-04****C-746 S&T QUARTERLY - JULY SG01-04**

trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene		0.002 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Cyanide	U	0.02 mg/L	0.02	SW846-9014
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.05 mg/L	0.05	SW846-9020B
Turbidity		0.53 NTU	0.5	EPA-180.1 1978

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Paducah-OREIS Data Report

MW222

SG01-04

C-746 S&T QUARTERLY - JULY SG01-04

MW222SG4-01

Collected: 7/17/2001

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		32.3	mg/L		2	SW846-9056
Fluoride		0.26	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		10.3	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.56	Inches/Hg			
Conductivity		335	umho/cm			
Depth to Water		71.89	ft			
Dissolved Oxygen		0.9	mg/L			
pH		6.7	Std Unit			
Redox		275	mV			
Temperature		66.9	deg F			
<b>METAL</b>						
Aluminum		10.1	mg/L		0.2	SW846-6010A
Barium		0.337	mg/L		0.025	SW846-6010A
Beryllium	U	0.005	mg/L		0.005	SW846-6010A
Boron	JU	2	mg/L		2	SW846-6010A
Cadmium	BUW	0.005	mg/L		0.005	SW846-7131
Calcium	N	21.5	mg/L		1	SW846-6010A
Chromium	N	0.089	mg/L		0.025	SW846-6010A
Cobalt	U	0.025	mg/L		0.025	SW846-6010A
Copper	U	0.025	mg/L		0.025	SW846-6010A
Iron	N	18.8	mg/L		0.2	SW846-6010A
Magnesium		9.2	mg/L		0.025	SW846-6010A
Manganese		0.031	mg/L		0.025	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	U	0.05	mg/L		0.05	SW846-6010A
Nickel		0.178	mg/L		0.05	SW846-6010A
Potassium	U	2	mg/L		2	SW846-6010A
Rhodium	BUX	0.2	mg/L		0.2	SW846-6010A
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Silver	BU	0.025	mg/L		0.025	SW846-6010A
Sodium	N	49.2	mg/L		2	SW846-6010A
Tantalum	UX	0.2	mg/L		0.2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.025	mg/L		0.025	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A
<b>METAL-D</b>						
Barium, Dissolved		0.242	mg/L		0.025	SW846-6010A
Chromium, Dissolved	U	0.025	mg/L		0.025	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		258	mg/L		48	EPA-160.2
<b>PCCB</b>						
PCB-1016	U	0.00015	mg/L		0.0002	SW846-8082
PCB-1221	U	0.00017	mg/L		0.0002	SW846-8082
PCB-1232	U	0.00017	mg/L		0.0002	SW846-8082
PCB-1242	U	0.00016	mg/L		0.0002	SW846-8082
PCB-1248	U	0.00016	mg/L		0.0002	SW846-8082

## MW222

## SG01-04

## C-746 S&amp;T QUARTERLY - JULY SG01-04

PCB-1254	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1260	U	0.0001	mg/L	0.0001	SW846-8082
PCB-1268	U	0.0001	mg/L	0.0001	SW846-8082
Polychlorinated biphenyl	U	0.00017	mg/L	0.0002	SW846-8082
<b>RADS</b>					
Alpha activity	U	-1.24	pCi/L	1.11	5.6 EPA-900.0
Beta activity	U	3.1	pCi/L	0.621	5.35 EPA-900.0
Iodine-131	U	1.83	pCi/L	3.66	18.8 RL-7124
Potassium-40		47.2	pCi/L	35.9	37.5 RL-7124
Radium-226	UX	4.69	pCi/L	9.38	8.62 RL-7124
Strontium-90	U	0.41	pCi/L	1.7	3.03 XP4-TS-RL7390
Technetium-99	U	4	pCi/L	12.7	18.9 RL-7100
Tritium	U	7.16	pCi/L	165.75	277 704R5
<b>VOA</b>					
1,1,1,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
2-Butanone	U	0.01	mg/L	0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L	0.01	SW846-8260
2-Hexanone	U	0.01	mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	JU	0.01	mg/L	0.01	SW846-8260
Acetone	JU	0.01	mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L	0.01	SW846-8260
Benzene	U	0.005	mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromoform	U	0.005	mg/L	0.005	SW846-8260
Bromomethane	U	0.005	mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L	0.005	SW846-8260
Chloroethane	U	0.005	mg/L	0.005	SW846-8260
Chloromethane	U	0.005	mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Dibromomethane	U	0.005	mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	0.005	SW846-8260
Ethyl methacrylate	JU	0.005	mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L	0.005	SW846-8260
Iodomethane	U	0.005	mg/L	0.005	SW846-8260
Methylene chloride	U	0.01	mg/L	0.01	SW846-8260
Styrene	U	0.005	mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L	0.005	SW846-8260
Toluene	U	0.005	mg/L	0.005	SW846-8260
Total Xylene	U	0.015	mg/L	0.015	SW846-8260

**MW222****SG01-04****C-746 S&T QUARTERLY - JULY SG01-04**

trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Bromide	U	1 mg/L	1	SW846-9056
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Cyanide	U	0.02 mg/L	0.02	SW846-9014
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.05 mg/L	0.05	SW846-9020B
Turbidity		220 NTU	0.5	EPA-180.1 1978

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**MW223**

**SG01-04**

**C-746 S&T QUARTERLY - JULY SG01-04**

**MW223SG4-01**

Collected: 7/17/2001

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		42.5	mg/L		2	SW846-9056
Fluoride		0.2	mg/L		0.1	9214
Nitrate as Nitrogen		2	mg/L		1	SW846-9056
Sulfate		10.3	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.56	Inches/Hg			
Conductivity		400	umho/cm			
Depth to Water		71.06	ft			
Dissolved Oxygen		1.54	mg/L			
pH		6.18	Std Unit			
Redox		180	mV			
Temperature		65.7	deg F			
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium		0.202	mg/L		0.025	SW846-6010A
Beryllium	U	0.005	mg/L		0.005	SW846-6010A
Boron	JU	2	mg/L		2	SW846-6010A
Cadmium	BUW	0.005	mg/L		0.005	SW846-7131
Calcium	N	22.2	mg/L		1	SW846-6010A
Chromium	N	0.084	mg/L		0.025	SW846-6010A
Cobalt	U	0.025	mg/L		0.025	SW846-6010A
Copper	U	0.025	mg/L		0.025	SW846-6010A
Iron	N	0.826	mg/L		0.2	SW846-6010A
Magnesium		8.99	mg/L		0.025	SW846-6010A
Manganese		0.117	mg/L		0.025	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	U	0.05	mg/L		0.05	SW846-6010A
Nickel		1.11	mg/L		0.05	SW846-6010A
Potassium		7.48	mg/L		2	SW846-6010A
Rhodium	BUX	0.2	mg/L		0.2	SW846-6010A
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Silver	BU	0.025	mg/L		0.025	SW846-6010A
Sodium	N	44.3	mg/L		2	SW846-6010A
Tantalum	UX	0.2	mg/L		0.2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.025	mg/L		0.025	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A
<b>METAL-D</b>						
Barium, Dissolved		0.196	mg/L		0.025	SW846-6010A
Chromium, Dissolved	U	0.025	mg/L		0.025	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		237	mg/L		48	EPA-160.2
<b>PCCB</b>						
PCB-1016	U	0.00015	mg/L		0.0002	SW846-8082
PCB-1221	U	0.00017	mg/L		0.0002	SW846-8082
PCB-1232	U	0.00017	mg/L		0.0002	SW846-8082
PCB-1242	U	0.00016	mg/L		0.0002	SW846-8082
PCB-1248	U	0.00016	mg/L		0.0002	SW846-8082

## MW223

## SG01-04

## C-746 S&amp;T QUARTERLY - JULY SG01-04

PCB-1254	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1260	U	0.0001	mg/L	0.0001	SW846-8082
PCB-1268	U	0.0001	mg/L	0.0001	SW846-8082
Polychlorinated biphenyl	U	0.00017	mg/L	0.0002	SW846-8082
<b>RADS</b>					
Alpha activity	U	-1.68	pCi/L	1.5	5.98 EPA-900.0
Beta activity		9.09	pCi/L	1.5	5.51 EPA-900.0
Iodine-131	U	-2.15	pCi/L	4.3	22.1 RL-7124
Radium-226	UX	3.82	pCi/L	7.64	8.86 RL-7124
Strontium-90	U	0.3	pCi/L	1.6	2.9 XP4-TS-RL7390
Technetium-99		19	pCi/L	13.4	18.9 RL-7100
Tritium	U	241	pCi/L	170.18	277 704R5
<b>VOA</b>					
1,1,1,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
2-Butanone	U	0.01	mg/L	0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L	0.01	SW846-8260
2-Hexanone	U	0.01	mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	JU	0.01	mg/L	0.01	SW846-8260
Acetone	JU	0.01	mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L	0.01	SW846-8260
Benzene	U	0.005	mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromoform	U	0.005	mg/L	0.005	SW846-8260
Bromomethane	U	0.005	mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L	0.005	SW846-8260
Chloroethane	U	0.005	mg/L	0.005	SW846-8260
Chloromethane	U	0.005	mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Dibromomethane	U	0.005	mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	0.005	SW846-8260
Ethyl methacrylate	JU	0.005	mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L	0.005	SW846-8260
Iodomethane	U	0.005	mg/L	0.005	SW846-8260
Methylene chloride	U	0.01	mg/L	0.01	SW846-8260
Styrene	U	0.005	mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L	0.005	SW846-8260
Toluene	U	0.005	mg/L	0.005	SW846-8260
Total Xylene	U	0.015	mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260

**MW223****SG01-04****C-746 S&T QUARTERLY - JULY SG01-04**

trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Bromide	U	1 mg/L	1	SW846-9056
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Cyanide	U	0.02 mg/L	0.02	SW846-9014
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.05 mg/L	0.05	SW846-9020B
Turbidity		8.5 NTU	0.5	EPA-180.1 1978

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**MW224**

**SG01-04**

**C-746 S&T QUARTERLY - JULY SG01-04**

**MW224SG4-01**

Collected: 7/17/2001

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		37.3	mg/L		2	SW846-9056
Fluoride		0.23	mg/L		0.1	9214
Nitrate as Nitrogen		1.3	mg/L		1	SW846-9056
Sulfate		12.8	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.56	Inches/Hg			
Conductivity		449	umho/cm			
Depth to Water		72.36	ft			
Dissolved Oxygen		3.91	mg/L			
pH		6.1	Std Unit			
Redox		290	mV			
Temperature		67.4	deg F			
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium		0.271	mg/L		0.025	SW846-6010A
Beryllium	U	0.005	mg/L		0.005	SW846-6010A
Boron	JU	2	mg/L		2	SW846-6010A
Cadmium	BUW	0.005	mg/L		0.005	SW846-7131
Calcium	N	32.9	mg/L		1	SW846-6010A
Chromium	NU	0.025	mg/L		0.025	SW846-6010A
Cobalt	U	0.025	mg/L		0.025	SW846-6010A
Copper	U	0.025	mg/L		0.025	SW846-6010A
Iron	NU	0.2	mg/L		0.2	SW846-6010A
Magnesium	N	13.2	mg/L		0.025	SW846-6010A
Manganese	U	0.025	mg/L		0.025	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	U	0.05	mg/L		0.05	SW846-6010A
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Potassium		2.03	mg/L		2	SW846-6010A
Rhodium	BUX	0.2	mg/L		0.2	SW846-6010A
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Silver	BU	0.025	mg/L		0.025	SW846-6010A
Sodium	N	65	mg/L		2	SW846-6010A
Tantalum	UX	0.2	mg/L		0.2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.025	mg/L		0.025	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A
<b>METAL-D</b>						
Barium, Dissolved		0.238	mg/L		0.025	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		275	mg/L		48	EPA-160.2
<b>PCCB</b>						
PCB-1016	U	0.00015	mg/L		0.0002	SW846-8082
PCB-1221	U	0.00017	mg/L		0.0002	SW846-8082
PCB-1232	U	0.00017	mg/L		0.0002	SW846-8082
PCB-1242	U	0.00016	mg/L		0.0002	SW846-8082
PCB-1248	U	0.00016	mg/L		0.0002	SW846-8082
PCB-1254	U	0.00017	mg/L		0.0002	SW846-8082

## MW224

## SG01-04

## C-746 S&amp;T QUARTERLY - JULY SG01-04

PCB-1260	U	0.0001	mg/L	0.0001	SW846-8082
PCB-1268	U	0.0001	mg/L	0.0001	SW846-8082
Polychlorinated biphenyl	U	0.00017	mg/L	0.0002	SW846-8082
<b>RADS</b>					
Alpha activity	U	-1.1	pCi/L	0.897	6.36 EPA-900.0
Beta activity	U	4.75	pCi/L	0.901	5.68 EPA-900.0
Iodine-131	U	0.00179	pCi/L	0.0036	18.8 RL-7124
Radium-226	UX	5.4	pCi/L	10.8	8.34 RL-7124
Strontium-90	U	-0.76	pCi/L	1.28	2.85 XP4-TS-RL7390
Technetium-99	U	13.2	pCi/L	13	18.9 RL-7100
Tritium	U	-19.1	pCi/L	165.24	277 704R5
<b>VOA</b>					
1,1,1,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
2-Butanone	U	0.01	mg/L	0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L	0.01	SW846-8260
2-Hexanone	U	0.01	mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	JU	0.01	mg/L	0.01	SW846-8260
Acetone	JU	0.01	mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L	0.01	SW846-8260
Benzene	U	0.005	mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromoform	U	0.005	mg/L	0.005	SW846-8260
Bromomethane	U	0.005	mg/L	0.005	SW846-8260
Carbon disulfide	UX	0.005	mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L	0.005	SW846-8260
Chloroethane	U	0.005	mg/L	0.005	SW846-8260
Chloromethane	U	0.005	mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Dibromomethane	U	0.005	mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	0.005	SW846-8260
Ethyl methacrylate	JU	0.005	mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L	0.005	SW846-8260
Iodomethane	U	0.005	mg/L	0.005	SW846-8260
Methylene chloride	U	0.01	mg/L	0.01	SW846-8260
Styrene	U	0.005	mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L	0.005	SW846-8260
Toluene	U	0.005	mg/L	0.005	SW846-8260
Total Xylene	U	0.015	mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260



**MW224****SG01-04****C-746 S&T QUARTERLY - JULY SG01-04**

Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	X	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Bromide	U	1 mg/L	1	SW846-9056
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Cyanide	U	0.02 mg/L	0.02	SW846-9014
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.05 mg/L	0.05	SW846-9020B
Turbidity	U	0.5 NTU	0.5	EPA-180.1 1978

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**MW263**

**SG01-04**

**C-746 S&T QUARTERLY - JULY SG01-04**

**MW263SG4-01**

Collected: 7/17/2001

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		53.7	mg/L		2	SW846-9056
Fluoride		0.17	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		46.3	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.59	Inches/Hg			
Conductivity		519	umho/cm			
Depth to Water		36.84	ft			
Dissolved Oxygen		2.18	mg/L			
pH		6.05	Std Unit			
Redox		310	mV			
Temperature		65.5	deg F			
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium		0.063	mg/L		0.025	SW846-6010A
Beryllium	U	0.005	mg/L		0.005	SW846-6010A
Boron	JU	2	mg/L		2	SW846-6010A
Cadmium	BUW	0.005	mg/L		0.005	SW846-7131
Calcium	N	36.1	mg/L		1	SW846-6010A
Chromium	N	0.152	mg/L		0.025	SW846-6010A
Cobalt	U	0.025	mg/L		0.025	SW846-6010A
Copper	U	0.025	mg/L		0.025	SW846-6010A
Iron	N	0.724	mg/L		0.2	SW846-6010A
Magnesium		14.9	mg/L		0.025	SW846-6010A
Manganese	U	0.025	mg/L		0.025	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	U	0.05	mg/L		0.05	SW846-6010A
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Potassium		2.63	mg/L		2	SW846-6010A
Rhodium	BUX	0.2	mg/L		0.2	SW846-6010A
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Silver	BU	0.025	mg/L		0.025	SW846-6010A
Sodium	N	44.6	mg/L		2	SW846-6010A
Tantalum	UX	0.2	mg/L		0.2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.025	mg/L		0.025	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A
<b>METAL-D</b>						
Barium, Dissolved		0.061	mg/L		0.025	SW846-6010A
Chromium, Dissolved	U	0.025	mg/L		0.025	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		309	mg/L		48	EPA-160.2
<b>PCCB</b>						
PCB-1016	U	0.00015	mg/L		0.0002	SW846-8082
PCB-1221	U	0.00017	mg/L		0.0002	SW846-8082
PCB-1232	U	0.00017	mg/L		0.0002	SW846-8082
PCB-1242	U	0.00016	mg/L		0.0002	SW846-8082
PCB-1248	U	0.00016	mg/L		0.0002	SW846-8082

**MW263****SG01-04****C-746 S&T QUARTERLY - JULY SG01-04**

PCB-1254	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1260	U	0.0001	mg/L	0.0001	SW846-8082
PCB-1268	U	0.0001	mg/L	0.0001	SW846-8082
Polychlorinated biphenyl	U	0.00017	mg/L	0.0002	SW846-8082
<b>RADS</b>					
Alpha activity	U	1.32	pCi/L	0.683	6.91 EPA-900.0
Beta activity		26.3	pCi/L	3.22	5.93 EPA-900.0
Iodine-131	U	2.44	pCi/L	4.89	22 RL-7124
Radium-226	UX	0.186	pCi/L	0.373	7.99 RL-7124
Strontium-90	U	-0.31	pCi/L	1.37	2.76 XP4-TS-RL7390
Technetium-99		32	pCi/L	13.7	18.9 RL-7100
Tritium	U	-52.5	pCi/L	164.6	277 704R5
<b>VOA</b>					
1,1,1,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
2-Butanone	U	0.01	mg/L	0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L	0.01	SW846-8260
2-Hexanone	U	0.01	mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	JU	0.01	mg/L	0.01	SW846-8260
Acetone	JU	0.01	mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L	0.01	SW846-8260
Benzene	U	0.005	mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromoform	U	0.005	mg/L	0.005	SW846-8260
Bromomethane	U	0.005	mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L	0.005	SW846-8260
Chloroethane	U	0.005	mg/L	0.005	SW846-8260
Chloromethane	U	0.005	mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Dibromomethane	U	0.005	mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	0.005	SW846-8260
Ethyl methacrylate	JU	0.005	mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L	0.005	SW846-8260
Iodomethane	U	0.005	mg/L	0.005	SW846-8260
Methylene chloride	U	0.01	mg/L	0.01	SW846-8260
Styrene	U	0.005	mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L	0.005	SW846-8260
Toluene	U	0.005	mg/L	0.005	SW846-8260
Total Xylene	U	0.015	mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260

**MW263****SG01-04****C-746 S&T QUARTERLY - JULY SG01-04**

trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene		0.023 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Bromide	U	1 mg/L	1	SW846-9056
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Cyanide	U	0.02 mg/L	0.02	SW846-9014
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.05 mg/L	0.05	SW846-9020B
Turbidity		1.4 NTU	0.5	EPA-180.1 1978

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MW264

SG01-04

C-746 S&T QUARTERLY - JULY SG01-04

MW264SG4-01

Collected: 7/18/2001

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		42.4	mg/L		2	SW846-9056
Fluoride		0.12	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		62.6	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.5	Inches/Hg			
Conductivity		520	umho/cm			
Depth to Water		42.21	ft			
Dissolved Oxygen		1.4	mg/L			
pH		6.3	Std Unit			
Redox		205	mV			
Temperature		66	deg F			
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium		0.154	mg/L		0.025	SW846-6010A
Beryllium	U	0.005	mg/L		0.005	SW846-6010A
Boron	JU	2	mg/L		2	SW846-6010A
Cadmium	BUW	0.005	mg/L		0.005	SW846-7131
Calcium	N	46.1	mg/L		1	SW846-6010A
Chromium	NU	0.025	mg/L		0.025	SW846-6010A
Cobalt	U	0.025	mg/L		0.025	SW846-6010A
Copper	U	0.025	mg/L		0.025	SW846-6010A
Iron	NU	0.2	mg/L		0.2	SW846-6010A
Magnesium		15.4	mg/L		0.025	SW846-6010A
Manganese		0.089	mg/L		0.025	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	U	0.05	mg/L		0.05	SW846-6010A
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Potassium	U	2	mg/L		2	SW846-6010A
Rhodium	BUX	0.2	mg/L		0.2	SW846-6010A
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Silver	BU	0.025	mg/L		0.025	SW846-6010A
Sodium	N	44.7	mg/L		2	SW846-6010A
Tantalum	UX	0.2	mg/L		0.2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.025	mg/L		0.025	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A
<b>METAL-D</b>						
Barium, Dissolved		0.135	mg/L		0.025	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		304	mg/L		48	EPA-160.2
<b>PCCB</b>						
PCB-1016	U	0.00015	mg/L		0.0002	SW846-8082
PCB-1221	U	0.00017	mg/L		0.0002	SW846-8082
PCB-1232	U	0.00017	mg/L		0.0002	SW846-8082
PCB-1242	U	0.00016	mg/L		0.0002	SW846-8082
PCB-1248	U	0.00016	mg/L		0.0002	SW846-8082
PCB-1254	U	0.00017	mg/L		0.0002	SW846-8082

## MW264

## SG01-04

## C-746 S&amp;T QUARTERLY - JULY SG01-04

PCB-1260	U	0.0001	mg/L	0.0001	SW846-8082
PCB-1268	U	0.0001	mg/L	0.0001	SW846-8082
Polychlorinated biphenyl	U	0.00017	mg/L	0.0002	SW846-8082
<b>RADS</b>					
Alpha activity	U	0.275	pCi/L	0.183	6.75 EPA-900.0
Beta activity	U	2.31	pCi/L	0.482	5.85 EPA-900.0
Iodine-131	U	5.64	pCi/L	11.3	30.7 RL-7124
Radium-226	UX	2.45	pCi/L	4.91	8.4 RL-7124
Strontium-90	U	-0.08	pCi/L	1.41	2.7 XP4-TS-RL7390
Technetium-99	U	11.9	pCi/L	13.1	18.9 RL-7100
Tritium	U	-71.6	pCi/L	164.20	277 704R5
<b>VOA</b>					
1,1,1,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
2-Butanone	U	0.01	mg/L	0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L	0.01	SW846-8260
2-Hexanone	U	0.01	mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	JU	0.01	mg/L	0.01	SW846-8260
Acetone	JU	0.01	mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L	0.01	SW846-8260
Benzene	U	0.005	mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromoform	U	0.005	mg/L	0.005	SW846-8260
Bromomethane	U	0.005	mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L	0.005	SW846-8260
Chloroethane	U	0.005	mg/L	0.005	SW846-8260
Chloromethane	U	0.005	mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Dibromomethane	U	0.005	mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	0.005	SW846-8260
Ethyl methacrylate	JU	0.005	mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L	0.005	SW846-8260
Iodomethane	U	0.005	mg/L	0.005	SW846-8260
Methylene chloride	U	0.01	mg/L	0.01	SW846-8260
Styrene	U	0.005	mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L	0.005	SW846-8260
Toluene	U	0.005	mg/L	0.005	SW846-8260
Total Xylene	U	0.015	mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260

**MW264****SG01-04****C-746 S&T QUARTERLY - JULY SG01-04**

Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene		0.004 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Bromide	U	1 mg/L	1	SW846-9056
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Cyanide	U	0.02 mg/L	0.02	SW846-9014
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.05 mg/L	0.05	SW846-9020B
Turbidity		0.64 NTU	0.5	EPA-180.1 1978

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MW266

SG01-04

C-746 S&T QUARTERLY - JULY SG01-04

MW266SG4-01

Collected: 7/18/2001

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		51	mg/L		2	SW846-9056
Fluoride		0.13	mg/L		0.1	9214
Nitrate as Nitrogen		1.2	mg/L		1	SW846-9056
Sulfate		64.8	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.5	Inches/Hg			
Conductivity		515	umho/cm			
Depth to Water		41.9	ft			
Dissolved Oxygen		2.23	mg/L			
pH		6.1	Std Unit			
Redox		195	mV			
Temperature		66.2	deg F			
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium		0.054	mg/L		0.025	SW846-6010A
Beryllium	U	0.005	mg/L		0.005	SW846-6010A
Boron	JU	2	mg/L		2	SW846-6010A
Cadmium	BUW	0.005	mg/L		0.005	SW846-7131
Calcium	N	44.3	mg/L		1	SW846-6010A
Chromium	N	0.362	mg/L		0.025	SW846-6010A
Cobalt	U	0.025	mg/L		0.025	SW846-6010A
Copper		0.027	mg/L		0.025	SW846-6010A
Iron	N	5.14	mg/L		0.2	SW846-6010A
Magnesium		17	mg/L		0.025	SW846-6010A
Manganese		0.059	mg/L		0.025	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	U	0.05	mg/L		0.05	SW846-6010A
Nickel		0.137	mg/L		0.05	SW846-6010A
Potassium		6.87	mg/L		2	SW846-6010A
Rhodium	BUX	0.2	mg/L		0.2	SW846-6010A
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Silver	BU	0.025	mg/L		0.025	SW846-6010A
Sodium	N	43.7	mg/L		2	SW846-6010A
Tantalum	UX	0.2	mg/L		0.2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.025	mg/L		0.025	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A
<b>METAL-D</b>						
Barium, Dissolved		0.045	mg/L		0.025	SW846-6010A
Chromium, Dissolved	U	0.025	mg/L		0.025	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		291	mg/L		48	EPA-160.2
<b>PCCB</b>						
PCB-1016	U	0.00015	mg/L		0.0002	SW846-8082
PCB-1221	U	0.00017	mg/L		0.0002	SW846-8082
PCB-1232	U	0.00017	mg/L		0.0002	SW846-8082
PCB-1242	U	0.00016	mg/L		0.0002	SW846-8082
PCB-1248	U	0.00016	mg/L		0.0002	SW846-8082



## MW266

## SG01-04

## C-746 S&amp;T QUARTERLY - JULY SG01-04

PCB-1254	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1260	U	0.0001	mg/L	0.0001	SW846-8082
PCB-1268	U	0.0001	mg/L	0.0001	SW846-8082
Polychlorinated biphenyl	U	0.00017	mg/L	0.0002	SW846-8082
<b>RADS</b>					
Alpha activity	U	0.886	pCi/L	0.511	6.93 EPA-900.0
Beta activity		13.1	pCi/L	2.01	5.94 EPA-900.0
Iodine-131	U	8.54	pCi/L	17.1	34.8 RL-7124
Radium-226	UX	1.13	pCi/L	2.26	9.3 RL-7124
Strontium-90	U	-0.31	pCi/L	1.39	2.59 XP4-TS-RL7390
Technetium-99		19.1	pCi/L	13.3	18.9 RL-7100
Tritium	U	-95.5	pCi/L	163.74	277 704R5
<b>VOA</b>					
1,1,1,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
2-Butanone	U	0.01	mg/L	0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L	0.01	SW846-8260
2-Hexanone	U	0.01	mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	JU	0.01	mg/L	0.01	SW846-8260
Acetone	JU	0.01	mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L	0.01	SW846-8260
Benzene	U	0.005	mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromoform	U	0.005	mg/L	0.005	SW846-8260
Bromomethane	U	0.005	mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L	0.005	SW846-8260
Chloroethane	U	0.005	mg/L	0.005	SW846-8260
Chloromethane	U	0.005	mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Dibromomethane	U	0.005	mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	0.005	SW846-8260
Ethyl methacrylate	JU	0.005	mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L	0.005	SW846-8260
Iodomethane	U	0.005	mg/L	0.005	SW846-8260
Methylene chloride	U	0.01	mg/L	0.01	SW846-8260
Styrene	U	0.005	mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L	0.005	SW846-8260
Toluene	U	0.005	mg/L	0.005	SW846-8260
Total Xylene	U	0.015	mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260

**MW266****SG01-04****C-746 S&T QUARTERLY - JULY SG01-04**

trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene		0.008 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Bromide	U	1 mg/L	1	SW846-9056
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Cyanide	U	0.02 mg/L	0.02	SW846-9014
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.05 mg/L	0.05	SW846-9020B
Turbidity		13 NTU	0.5	EPA-180.1 1978

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MW267

SG01-04

C-746 S&T QUARTERLY - JULY SG01-04

MW267SG4-01

Collected: 7/18/2001

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		48.8	mg/L		2	SW846-9056
Fluoride		0.11	mg/L		0.1	9214
Nitrate as Nitrogen		1.9	mg/L		1	SW846-9056
Sulfate		10.1	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.53	Inches/Hg			
Conductivity		373	umho/cm			
Depth to Water		57.17	ft			
Dissolved Oxygen		3.77	mg/L			
pH		5.92	Std Unit			
Redox		280	mV			
Temperature		63.9	deg F			
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium		0.214	mg/L		0.025	SW846-6010A
Beryllium	U	0.005	mg/L		0.005	SW846-6010A
Boron	JU	2	mg/L		2	SW846-6010A
Cadmium	BUW	0.005	mg/L		0.005	SW846-7131
Calcium	N	20.8	mg/L		1	SW846-6010A
Chromium	N	0.859	mg/L		0.025	SW846-6010A
Cobalt	U	0.025	mg/L		0.025	SW846-6010A
Copper	U	0.025	mg/L		0.025	SW846-6010A
Iron	N	2.6	mg/L		0.2	SW846-6010A
Magnesium		8.44	mg/L		0.025	SW846-6010A
Manganese	U	0.025	mg/L		0.025	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum		0.117	mg/L		0.05	SW846-6010A
Nickel		0.222	mg/L		0.05	SW846-6010A
Potassium		2.45	mg/L		2	SW846-6010A
Rhodium	BUX	0.2	mg/L		0.2	SW846-6010A
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Silver	BU	0.025	mg/L		0.025	SW846-6010A
Sodium	N	35.1	mg/L		2	SW846-6010A
Tantalum	UX	0.2	mg/L		0.2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.025	mg/L		0.025	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A
<b>METAL-D</b>						
Barium, Dissolved		0.208	mg/L		0.025	SW846-6010A
Chromium, Dissolved	U	0.025	mg/L		0.025	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		202	mg/L		48	EPA-160.2
<b>PCCB</b>						
PCB-1016	U	0.00015	mg/L		0.0002	SW846-8082
PCB-1221	U	0.00017	mg/L		0.0002	SW846-8082
PCB-1232	U	0.00017	mg/L		0.0002	SW846-8082
PCB-1242	U	0.00016	mg/L		0.0002	SW846-8082
PCB-1248	U	0.00016	mg/L		0.0002	SW846-8082

## MW267

## SG01-04

## C-746 S&amp;T QUARTERLY - JULY SG01-04

PCB-1254	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1260	U	0.0001	mg/L	0.0001	SW846-8082
PCB-1268	U	0.0001	mg/L	0.0001	SW846-8082
Polychlorinated biphenyl	U	0.00017	mg/L	0.0002	SW846-8082
<b>RADS</b>					
Alpha activity	U	1.15	pCi/L	0.662	5.82 EPA-900.0
Beta activity	U	5.31	pCi/L	0.982	5.44 EPA-900.0
Iodine-131	U	16	pCi/L	31.9	24.3 RL-7124
Radium-226	UX	2.89	pCi/L	5.79	8.47 RL-7124
Strontium-90	U	1.08	pCi/L	1.59	2.66 XP4-TS-RL7390
Technetium-99	U	12.2	pCi/L	13	18.9 RL-7100
Tritium	U	-50.1	pCi/L	164.62	277 704R5
<b>VOA</b>					
1,1,1,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
2-Butanone	U	0.01	mg/L	0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L	0.01	SW846-8260
2-Hexanone	U	0.01	mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	JU	0.01	mg/L	0.01	SW846-8260
Acetone	JU	0.01	mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L	0.01	SW846-8260
Benzene	U	0.005	mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromoform	U	0.005	mg/L	0.005	SW846-8260
Bromomethane	U	0.005	mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L	0.005	SW846-8260
Chloroethane	U	0.005	mg/L	0.005	SW846-8260
Chloromethane	U	0.005	mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Dibromomethane	U	0.005	mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	0.005	SW846-8260
Ethyl methacrylate	JU	0.005	mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L	0.005	SW846-8260
Iodomethane	U	0.005	mg/L	0.005	SW846-8260
Methylene chloride	U	0.01	mg/L	0.01	SW846-8260
Styrene	U	0.005	mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L	0.005	SW846-8260
Toluene	U	0.005	mg/L	0.005	SW846-8260
Total Xylene	U	0.015	mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260

**MW267****SG01-04****C-746 S&T QUARTERLY - JULY SG01-04**

trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Bromide	U	1 mg/L	1	SW846-9056
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Cyanide	U	0.02 mg/L	0.02	SW846-9014
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.05 mg/L	0.05	SW846-9020B
Turbidity		12 NTU	0.5	EPA-180.1 1978

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Paducah-OREIS Data Report

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12/18/2007

MW179

SG02-01

C-746 S&T QUARTERLY - OCTOBER - SG02-01

MW179SG1-02

Collected: 10/10/2001

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		35	mg/L		2	SW846-9056
Fluoride		0.18	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		200.6	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.71	Inches/Hg			
Conductivity		769	umho/cm			
Depth to Water		36.91	ft			
Dissolved Oxygen		1.44	mg/L			
pH		6.1	Std Unit			
Redox		190	mV			
Temperature		62.6	deg F			
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium	U	0.025	mg/L		0.025	SW846-6010A
Beryllium	U	0.005	mg/L		0.005	SW846-6010A
Boron	U	2	mg/L		2	SW846-6010A
Calcium	N	72.8	mg/L		1	SW846-6010A
Chromium	U	0.025	mg/L		0.025	SW846-6010A
Cobalt	U	0.025	mg/L		0.025	SW846-6010A
Copper	BU	0.025	mg/L		0.025	SW846-6010A
Iron	U	0.2	mg/L		0.2	SW846-6010A
Magnesium		20.8	mg/L		0.025	SW846-6010A
Manganese	U	0.025	mg/L		0.025	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BU	0.05	mg/L		0.05	SW846-6010A
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Potassium	U	2	mg/L		2	SW846-6010A
Rhodium	UX	0.2	mg/L		0.2	SW846-6010A
Silver	BU	0.025	mg/L		0.025	SW846-6010A
Sodium	JN	58.3	mg/L		2	SW846-6010A
Tantalum	UX	0.2	mg/L		0.2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.025	mg/L		0.025	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids	X	611	mg/L		100	EPA-160.2
<b>RADS</b>						
Alpha activity	U	-0.329	pCi/L	0.294	6.7	EPA-900.0
Beta activity		32.1	pCi/L	3.99	7.81	EPA-900.0
Iodine-131	UX	-0.2966	pCi/L	0.5932	1.083	RL-7124
Radium-226	UX	1.964	pCi/L	3.927	4.485	RL-7124
Strontium-90	UX	2.07	pCi/L	0.436	12	RL-7145
Technetium-99		31.2	pCi/L	12.8	17.6	RL-7100
Tritium	U	-26.2	pCi/L	166	278	704R5
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260

## MW179

## SG02-01

## C-746 S&amp;T QUARTERLY - OCTOBER - SG02-01

1,1,1-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
2-Butanone	U	0.01	mg/L	0.01	SW846-8260
2-Hexanone	U	0.01	mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L	0.01	SW846-8260
Benzene	U	0.005	mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromoform	U	0.005	mg/L	0.005	SW846-8260
Bromomethane	U	0.005	mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L	0.005	SW846-8260
Chloroethane	U	0.005	mg/L	0.005	SW846-8260
Chloromethane	U	0.005	mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Dibromomethane	U	0.005	mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	0.005	SW846-8260
Ethanol	U	0.25	mg/L	0.25	SW846-8015
Ethyl methacrylate	JU	0.005	mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L	0.005	SW846-8260
Iodomethane	JU	0.005	mg/L	0.005	SW846-8260
Methylene chloride	JU	0.01	mg/L	0.01	SW846-8260
Styrene	U	0.005	mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L	0.005	SW846-8260
Toluene	U	0.005	mg/L	0.005	SW846-8260
Total Xylene	U	0.015	mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L	0.005	SW846-8260
Trichloroethene		0.007	mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01	mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002	mg/L	0.002	SW846-8260
<b>WETCHEM</b>					
Chemical Oxygen Demand (COD)	U	25	mg/L	25	EPA-410.4 1978
Cyanide	U	0.02	mg/L	0.02	SW846-9010-A
Iodide	U	2	mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1	mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.05	mg/L	0.05	SW846-9020B
Turbidity		1.1	NTU	0.5	EPA-180.1 1978

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**MW220**

**SG02-01**

## C-746 S&T QUARTERLY - OCTOBER - SG02-01

**MW220SG1-02**

Collected: 10/10/2001

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		36.4	mg/L		2	SW846-9056
Fluoride		0.23	mg/L		0.1	9214
Nitrate as Nitrogen		1.2	mg/L		1	SW846-9056
Sulfate		12.5	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.71	Inches/Hg			
Conductivity		373	umho/cm			
Depth to Water		59.88	ft			
Dissolved Oxygen		4.17	mg/L			
pH		6.1	Std Unit			
Redox		185	mV			
Temperature		61.3	deg F			
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium		0.206	mg/L		0.025	SW846-6010A
Beryllium	U	0.005	mg/L		0.005	SW846-6010A
Boron	U	2	mg/L		2	SW846-6010A
Calcium	N	25.2	mg/L		1	SW846-6010A
Chromium		0.053	mg/L		0.025	SW846-6010A
Cobalt	U	0.025	mg/L		0.025	SW846-6010A
Copper	BU	0.025	mg/L		0.025	SW846-6010A
Iron	U	0.2	mg/L		0.2	SW846-6010A
Magnesium		10.2	mg/L		0.025	SW846-6010A
Manganese		0.054	mg/L		0.025	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BU	0.05	mg/L		0.05	SW846-6010A
Nickel		0.536	mg/L		0.05	SW846-6010A
Potassium		4.19	mg/L		2	SW846-6010A
Rhodium	UX	0.2	mg/L		0.2	SW846-6010A
Silver	BU	0.025	mg/L		0.025	SW846-6010A
Sodium	JN	39.8	mg/L		2	SW846-6010A
Tantalum	UX	0.2	mg/L		0.2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.025	mg/L		0.025	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A
<b>METAL-D</b>						
Barium, Dissolved		0.212	mg/L		0.025	SW846-6010A
Chromium, Dissolved		0.031	mg/L		0.025	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids	X	265	mg/L		100	EPA-160.2
<b>RADS</b>						
Alpha activity		3.94	pCi/L	2.03	3.85	EPA-900.0
Beta activity		8.8	pCi/L	1.45	5.6	EPA-900.0
Iodine-131	UX	-0.3956	pCi/L	0.7912	13.15	RL-7124
Radium-226	UX	0.3334	pCi/L	0.6668	3.52	RL-7124
Strontium-90	UX	5.09	pCi/L	1	12	RL-7145
Technetium-99		19.8	pCi/L	12.4	17.6	RL-7100



## MW220

## SG02-01

## C-746 S&amp;T QUARTERLY - OCTOBER - SG02-01

Tritium	U	-50.1	pCi/L	165	278	704R5
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	JU	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	JU	0.005	mg/L		0.005	SW846-8260
Methylene chloride	JU	0.01	mg/L		0.01	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene	U	0.001	mg/L		0.001	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L		0.005	SW846-8260
Vinyl acetate	JU	0.01	mg/L		0.01	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260
<b>WETCHEM</b>						
Chemical Oxygen Demand (COD)	U	25	mg/L		25	EPA-410.4 1978
Cyanide	U	0.02	mg/L		0.02	SW846-9010-A
Iodide	U	2	mg/L		2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1	mg/L		1	SW846-9060
Total Organic Halides (TOX)	JUY	0.05	mg/L		0.05	SW846-9020B
Turbidity		3.3	NTU		0.5	EPA-180.1 1978

MW220

SG02-01

C-746 S&T QUARTERLY - OCTOBER - SG02-01

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MW221

SG02-01

C-746 S&T QUARTERLY - OCTOBER - SG02-01

MW221SG1-02

Collected: 10/10/2001

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		43	mg/L		2	SW846-9056
Fluoride		0.2	mg/L		0.1	9214
Nitrate as Nitrogen	X	1.6	mg/L		1	SW846-9056
Sulfate		11.4	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		68.73	Inches/Hg			
Conductivity		411	umho/cm			
Depth to Water		29.71	ft			
Dissolved Oxygen		5.04	mg/L			
pH		6.02	Std Unit			
Redox		185	mV			
Temperature		61.7	deg F			
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium		0.215	mg/L		0.025	SW846-6010A
Beryllium	U	0.005	mg/L		0.005	SW846-6010A
Boron	U	2	mg/L		2	SW846-6010A
Calcium	N	22.1	mg/L		1	SW846-6010A
Chromium	U	0.025	mg/L		0.025	SW846-6010A
Cobalt	U	0.025	mg/L		0.025	SW846-6010A
Copper	BU	0.025	mg/L		0.025	SW846-6010A
Iron	U	0.2	mg/L		0.2	SW846-6010A
Magnesium		9.54	mg/L		0.025	SW846-6010A
Manganese	U	0.025	mg/L		0.025	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BU	0.05	mg/L		0.05	SW846-6010A
Nickel		0.235	mg/L		0.05	SW846-6010A
Potassium		2.54	mg/L		2	SW846-6010A
Rhodium	UX	0.2	mg/L		0.2	SW846-6010A
Silver	BU	0.025	mg/L		0.025	SW846-6010A
Sodium	JN	43.8	mg/L		2	SW846-6010A
Tantalum	UX	0.2	mg/L		0.2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.025	mg/L		0.025	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A
<b>METAL-D</b>						
Barium, Dissolved		0.213	mg/L		0.025	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids	*X	257	mg/L		100	EPA-160.2
<b>RADS</b>						
Alpha activity	U	0.92	pCi/L	0.751	3.85	EPA-900.0
Beta activity	U	3.83	pCi/L	0.737	5.6	EPA-900.0
Iodine-131	UX	0.7077	pCi/L	1.415	17.17	RL-7124
Radium-226	UX	-1.947	pCi/L	3.894	6.073	RL-7124
Strontium-90	UX	6.97	pCi/L	1.32	12	RL-7145
Technetium-99	U	10.8	pCi/L	12.2	17.6	RL-7100
Tritium	U	-10	pCi/L	164	278	704R5

## MW221

## SG02-01

## C-746 S&amp;T QUARTERLY - OCTOBER - SG02-01

## VOA

1,1,1,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
2-Butanone	U	0.01	mg/L	0.01	SW846-8260
2-Hexanone	U	0.01	mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L	0.01	SW846-8260
Benzene	U	0.005	mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromoform	U	0.005	mg/L	0.005	SW846-8260
Bromomethane	U	0.005	mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L	0.005	SW846-8260
Chloroethane	U	0.005	mg/L	0.005	SW846-8260
Chloromethane	U	0.005	mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Dibromomethane	U	0.005	mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	0.005	SW846-8260
Ethanol	U	0.25	mg/L	0.25	SW846-8015
Ethyl methacrylate	JU	0.005	mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L	0.005	SW846-8260
Iodomethane	JU	0.005	mg/L	0.005	SW846-8260
Methylene chloride	JU	0.01	mg/L	0.01	SW846-8260
Styrene	U	0.005	mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L	0.005	SW846-8260
Toluene	U	0.005	mg/L	0.005	SW846-8260
Total Xylene	U	0.015	mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L	0.005	SW846-8260
Trichloroethene		0.002	mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01	mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002	mg/L	0.002	SW846-8260
<b>WETCHEM</b>					
Chemical Oxygen Demand (COD)	U	25	mg/L	25	EPA-410.4 1978
Cyanide	U	0.02	mg/L	0.02	SW846-9010-A
Iodide	U	2	mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1	mg/L	1	SW846-9060
Total Organic Halides (TOX)	JUY	0.05	mg/L	0.05	SW846-9020B
Turbidity		1.1	NTU	0.5	EPA-180.1 1978

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**MW222**

**SG02-01**

## C-746 S&T QUARTERLY - OCTOBER - SG02-01

**MW222SG1-02**

Collected: 10/9/2001

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		29.3	mg/L		2	SW846-9056
Fluoride		0.28	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		9.1	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		72.87	Inches/Hg			
Conductivity		318	umho/cm			
Depth to Water		29.8	ft			
Dissolved Oxygen		0.71	mg/L			
pH		6.48	Std Unit			
Redox		165	mV			
Temperature		63.1	deg F			
<b>METAL</b>						
Aluminum		15.2	mg/L		0.2	SW846-6010A
Barium		0.328	mg/L		0.025	SW846-6010A
Beryllium	U	0.005	mg/L		0.005	SW846-6010A
Boron	U	2	mg/L		2	SW846-6010A
Calcium		17	mg/L		2	SW846-6010A
Chromium		0.068	mg/L		0.025	SW846-6010A
Cobalt	U	0.025	mg/L		0.025	SW846-6010A
Copper	BU	0.025	mg/L		0.025	SW846-6010A
Iron		24.1	mg/L		0.2	SW846-6010A
Magnesium		7.71	mg/L		0.025	SW846-6010A
Manganese		0.456	mg/L		0.025	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	U	0.05	mg/L		0.05	SW846-6010A
Nickel		0.17	mg/L		0.05	SW846-6010A
Potassium		2.54	mg/L		2	SW846-6010A
Rhodium	UX	0.2	mg/L		0.2	SW846-6010A
Silver	BU	0.025	mg/L		0.025	SW846-6010A
Tantalum	UX	0.2	mg/L		0.2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.025	mg/L		0.025	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A
<b>METAL-D</b>						
Barium, Dissolved		0.206	mg/L		0.025	SW846-6010A
Chromium, Dissolved	U	0.025	mg/L		0.025	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		267	mg/L		50	EPA-160.2
<b>RADS</b>						
Alpha activity	U	2.65	pCi/L	1.6	3.69	EPA-900.0
Beta activity	U	2.38	pCi/L	0.484	5.5	EPA-900.0
Iodine-131	UX	1.178	pCi/L	2.357	10.38	RL-7124
Radium-226	UX	-2.154	pCi/L	4.309	4.14	RL-7124
Strontium-90	UX	1.22	pCi/L	0.262	12	RL-7145
Technetium-99	U	4.29	pCi/L	12	17.6	RL-7100
Tritium	U	-4.77	pCi/L	166	278	704R5

## MW222

## SG02-01

## C-746 S&amp;T QUARTERLY - OCTOBER - SG02-01

## VOA

1,1,1,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
2-Butanone	U	0.01	mg/L	0.01	SW846-8260
2-Hexanone	U	0.01	mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L	0.01	SW846-8260
Benzene	U	0.005	mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromoform	U	0.005	mg/L	0.005	SW846-8260
Bromomethane	U	0.005	mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L	0.005	SW846-8260
Chloroethane	U	0.005	mg/L	0.005	SW846-8260
Chloromethane	U	0.005	mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Dibromomethane	U	0.005	mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	0.005	SW846-8260
Ethanol	U	0.25	mg/L	0.25	SW846-8015
Ethyl methacrylate	JU	0.005	mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L	0.005	SW846-8260
Iodomethane	U	0.005	mg/L	0.005	SW846-8260
Methylene chloride	JU	0.01	mg/L	0.01	SW846-8260
Styrene	U	0.005	mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L	0.005	SW846-8260
Toluene	U	0.005	mg/L	0.005	SW846-8260
Total Xylene	U	0.015	mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L	0.005	SW846-8260
Trichloroethene	U	0.001	mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01	mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002	mg/L	0.002	SW846-8260
<b>WETCHEM</b>					
Chemical Oxygen Demand (COD)	U	25	mg/L	25	EPA-410.4 1978
Cyanide	U	0.02	mg/L	0.02	SW846-9010-A
Iodide	U	2	mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1	mg/L	1	SW846-9060
Total Organic Halides (TOX)	JUY	0.05	mg/L	0.05	SW846-9020B
Turbidity		250	NTU	0.5	EPA-180.1 1978

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**MW222**

**SG02-01**

## C-746 S&T QUARTERLY - OCTOBER - SG02-01

**MW222DSG1-02**

Collected: 10/9/2001

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		29	mg/L		2	SW846-9056
Fluoride		0.29	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		9	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		72.87	Inches/Hg			
Conductivity		318	umho/cm			
Depth to Water		29.8	ft			
Dissolved Oxygen		0.71	mg/L			
pH		6.48	Std Unit			
Redox		165	mV			
Temperature		63.1	deg F			
<b>METAL</b>						
Aluminum		5.69	mg/L		0.2	SW846-6010A
Barium		0.268	mg/L		0.025	SW846-6010A
Beryllium	U	0.005	mg/L		0.005	SW846-6010A
Boron	U	2	mg/L		2	SW846-6010A
Calcium	N	15.8	mg/L		1	SW846-6010A
Chromium		0.037	mg/L		0.025	SW846-6010A
Cobalt	U	0.025	mg/L		0.025	SW846-6010A
Copper	BU	0.025	mg/L		0.025	SW846-6010A
Iron		13.9	mg/L		0.2	SW846-6010A
Magnesium		7.05	mg/L		0.025	SW846-6010A
Manganese		0.26	mg/L		0.025	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BU	0.05	mg/L		0.05	SW846-6010A
Nickel		0.108	mg/L		0.05	SW846-6010A
Potassium	U	2	mg/L		2	SW846-6010A
Rhodium	UX	0.2	mg/L		0.2	SW846-6010A
Silver	BU	0.025	mg/L		0.025	SW846-6010A
Sodium	JN	41.9	mg/L		2	SW846-6010A
Tantalum	UX	0.2	mg/L		0.2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium		0.001	mg/L		0.001	IN7105
Vanadium	U	0.025	mg/L		0.025	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A
<b>METAL-D</b>						
Barium, Dissolved		0.204	mg/L		0.025	SW846-6010A
Chromium, Dissolved	U	0.025	mg/L		0.025	SW846-6010A
Uranium, Dissolved	U	0.001	mg/L		0.001	IN7105
<b>PHYSC</b>						
Dissolved Solids		248	mg/L		50	EPA-160.2
<b>RADS</b>						
Alpha activity	U	0.978	pCi/L	0.799	3.86	EPA-900.0
Beta activity	U	2.43	pCi/L	0.493	5.6	EPA-900.0
Iodine-131	UX	-3.142	pCi/L	6.285	7.492	RL-7124
Radium-226	UX	3.697	pCi/L	7.393	3.754	RL-7124
Strontium-90	UX	4.67	pCi/L	0.933	12	RL-7145

## MW222

## SG02-01

## C-746 S&amp;T QUARTERLY - OCTOBER - SG02-01

Technetium-99	U	-2.89	pCi/L	0	17.6	RL-7100
Tritium	U	-59.7	pCi/L	165	278	704R5
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	JU	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260
Methylene chloride	JU	0.01	mg/L		0.01	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene	U	0.001	mg/L		0.001	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L		0.005	SW846-8260
Vinyl acetate	JU	0.01	mg/L		0.01	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260
<b>WETCHEM</b>						
Chemical Oxygen Demand (COD)	U	25	mg/L		25	EPA-410.4 1978
Cyanide	U	0.02	mg/L		0.02	SW846-9010-A
Iodide	U	2	mg/L		2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1	mg/L		1	SW846-9060
Total Organic Halides (TOX)	U	0.05	mg/L		0.05	SW846-9020B



**MW222**

**SG02-01**

**C-746 S&T QUARTERLY - OCTOBER - SG02-01**

Turbidity

160 NTU

0.5 EPA-180.1 1978

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MW223

SG02-01

C-746 S&T QUARTERLY - OCTOBER - SG02-01

MW223SG1-02

Collected: 10/10/2001

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		39.7	mg/L		2	SW846-9056
Fluoride		0.27	mg/L		0.1	9214
Nitrate as Nitrogen		1.9	mg/L		1	SW846-9056
Sulfate		9.4	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		71.95	Inches/Hg			
Conductivity		399	umho/cm			
Depth to Water		29.71	ft			
Dissolved Oxygen		1.58	mg/L			
pH		6.39	Std Unit			
Redox		195	mV			
Temperature		61.7	deg F			
<b>METAL</b>						
Aluminum		6.09	mg/L		0.2	SW846-6010A
Barium		0.348	mg/L		0.025	SW846-6010A
Beryllium	U	0.005	mg/L		0.005	SW846-6010A
Boron	U	2	mg/L		2	SW846-6010A
Calcium	N	22	mg/L		1	SW846-6010A
Chromium		1.41	mg/L		0.025	SW846-6010A
Cobalt		0.083	mg/L		0.025	SW846-6010A
Copper	B	0.064	mg/L		0.025	SW846-6010A
Iron		24.7	mg/L		0.2	SW846-6010A
Magnesium		8.76	mg/L		0.025	SW846-6010A
Manganese		2.31	mg/L		0.025	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	B	0.084	mg/L		0.05	SW846-6010A
Nickel		1.07	mg/L		0.05	SW846-6010A
Potassium		11.2	mg/L		2	SW846-6010A
Rhodium	UX	0.2	mg/L		0.2	SW846-6010A
Silver	BU	0.025	mg/L		0.025	SW846-6010A
Sodium	JN	43.6	mg/L		2	SW846-6010A
Tantalum	UX	0.2	mg/L		0.2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.025	mg/L		0.025	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A
<b>METAL-D</b>						
Barium, Dissolved		0.148	mg/L		0.025	SW846-6010A
Chromium, Dissolved	U	0.025	mg/L		0.025	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids	X	291	mg/L		100	EPA-160.2
<b>RADS</b>						
Alpha activity	U	1.74	pCi/L	1.16	3.94	EPA-900.0
Beta activity		11.5	pCi/L	1.78	5.66	EPA-900.0
Iodine-131	UX	-8.692	pCi/L	17.38	15.87	RL-7124
Radium-226	UX	1.762	pCi/L	3.524	4.56	RL-7124
Strontium-90	UX	11.4	pCi/L	1.99	12	RL-7145
Technetium-99	U	9.57	pCi/L	12.1	17.6	RL-7100

## MW223

## SG02-01

## C-746 S&amp;T QUARTERLY - OCTOBER - SG02-01

Tritium	U	-88.3	pCi/L	165	278	704R5
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	JU	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	JU	0.005	mg/L		0.005	SW846-8260
Methylene chloride	JU	0.01	mg/L		0.01	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene	U	0.001	mg/L		0.001	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L		0.005	SW846-8260
Vinyl acetate	JU	0.01	mg/L		0.01	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260
<b>WETCHEM</b>						
Chemical Oxygen Demand (COD)	U	25	mg/L		25	EPA-410.4 1978
Cyanide	U	0.02	mg/L		0.02	SW846-9010-A
Iodide	U	2	mg/L		2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1	mg/L		1	SW846-9060
Total Organic Halides (TOX)	JUY	0.05	mg/L		0.05	SW846-9020B
Turbidity		260	NTU		0.5	EPA-180.1 1978

MW223

SG02-01

C-746 S&T QUARTERLY - OCTOBER - SG02-01

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MW224

SG02-01

C-746 S&T QUARTERLY - OCTOBER - SG02-01

MW224SG1-02

Collected: 10/10/2001

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		28.4	mg/L		2	SW846-9056
Fluoride		0.27	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		11.4	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.62	Inches/Hg			
Conductivity		456	umho/cm			
Depth to Water		73.15	ft			
Dissolved Oxygen		1.72	mg/L			
pH		6	Std Unit			
Redox		170	mV			
Temperature		62.9	deg F			
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium		0.232	mg/L		0.025	SW846-6010A
Beryllium	U	0.005	mg/L		0.005	SW846-6010A
Boron	U	2	mg/L		2	SW846-6010A
Calcium	N	25.7	mg/L		1	SW846-6010A
Chromium	U	0.025	mg/L		0.025	SW846-6010A
Cobalt	U	0.025	mg/L		0.025	SW846-6010A
Copper	BU	0.025	mg/L		0.025	SW846-6010A
Iron	U	0.2	mg/L		0.2	SW846-6010A
Magnesium		11	mg/L		0.025	SW846-6010A
Manganese	U	0.025	mg/L		0.025	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BU	0.05	mg/L		0.05	SW846-6010A
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Potassium	U	2	mg/L		2	SW846-6010A
Rhodium	UX	0.2	mg/L		0.2	SW846-6010A
Silver	BU	0.025	mg/L		0.025	SW846-6010A
Sodium	JN	61	mg/L		2	SW846-6010A
Tantalum	UX	0.2	mg/L		0.2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.025	mg/L		0.025	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A
<b>METAL-D</b>						
Barium, Dissolved		0.226	mg/L		0.025	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids	X	318	mg/L		100	EPA-160.2
<b>RADS</b>						
Alpha activity	U	2.84	pCi/L	1.8	4.37	EPA-900.0
Beta activity	U	0	pCi/L	0	5.95	EPA-900.0
Iodine-131	UX	-6.418	pCi/L	12.84	16.84	RL-7124
Radium-226	UX	0.4837	pCi/L	0.9673	6.527	RL-7124
Strontium-90	UX	0.679	pCi/L	0.148	12	RL-7145
Technetium-99	U	5.34	pCi/L	12	17.6	RL-7100
Tritium	U	-78.7	pCi/L	165	278	704R5

## MW224

## SG02-01

## C-746 S&amp;T QUARTERLY - OCTOBER - SG02-01

## VOA

1,1,1,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
2-Butanone	U	0.01	mg/L	0.01	SW846-8260
2-Hexanone	U	0.01	mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L	0.01	SW846-8260
Benzene	U	0.005	mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromoform	U	0.005	mg/L	0.005	SW846-8260
Bromomethane	U	0.005	mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L	0.005	SW846-8260
Chloroethane	U	0.005	mg/L	0.005	SW846-8260
Chloromethane	U	0.005	mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Dibromomethane	U	0.005	mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	0.005	SW846-8260
Ethanol	U	0.25	mg/L	0.25	SW846-8015
Ethyl methacrylate	JU	0.005	mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L	0.005	SW846-8260
Iodomethane	JU	0.005	mg/L	0.005	SW846-8260
Methylene chloride	JU	0.01	mg/L	0.01	SW846-8260
Styrene	U	0.005	mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L	0.005	SW846-8260
Toluene	U	0.005	mg/L	0.005	SW846-8260
Total Xylene	U	0.015	mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L	0.005	SW846-8260
Trichloroethene		0.001	mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01	mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002	mg/L	0.002	SW846-8260
<b>WETCHEM</b>					
Chemical Oxygen Demand (COD)	U	25	mg/L	25	EPA-410.4 1978
Cyanide	U	0.02	mg/L	0.02	SW846-9010-A
Iodide	U	2	mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1	mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.05	mg/L	0.05	SW846-9020B
Turbidity	U	0.5	NTU	0.5	EPA-180.1 1978

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**MW263**

**SG02-01**

## C-746 S&T QUARTERLY - OCTOBER - SG02-01

**MW263SG1-02**

Collected: 10/9/2001

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		49.3	mg/L		2	SW846-9056
Fluoride		0.19	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		46.8	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.85	Inches/Hg			
Conductivity		501	umho/cm			
Depth to Water		37.84	ft			
Dissolved Oxygen		2.01	mg/L			
pH		6.1	Std Unit			
Redox		165	mV			
Temperature		61.8	deg F			
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium		0.062	mg/L		0.025	SW846-6010A
Beryllium	U	0.005	mg/L		0.005	SW846-6010A
Boron	U	2	mg/L		2	SW846-6010A
Calcium	N	37.2	mg/L		1	SW846-6010A
Chromium	U	0.025	mg/L		0.025	SW846-6010A
Cobalt	U	0.025	mg/L		0.025	SW846-6010A
Copper	BU	0.025	mg/L		0.025	SW846-6010A
Iron	U	0.2	mg/L		0.2	SW846-6010A
Magnesium		15.2	mg/L		0.025	SW846-6010A
Manganese	U	0.025	mg/L		0.025	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BU	0.05	mg/L		0.05	SW846-6010A
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Potassium		2.57	mg/L		2	SW846-6010A
Rhodium	UX	0.2	mg/L		0.2	SW846-6010A
Silver	BU	0.025	mg/L		0.025	SW846-6010A
Sodium	JN	44.5	mg/L		2	SW846-6010A
Tantalum	UX	0.2	mg/L		0.2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.025	mg/L		0.025	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A
<b>METAL-D</b>						
Barium, Dissolved		0.062	mg/L		0.025	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		317	mg/L		50	EPA-160.2
<b>RADS</b>						
Alpha activity	U	-1.15	pCi/L	1.63	4.42	EPA-900.0
Beta activity		17.6	pCi/L	2.45	5.98	EPA-900.0
Iodine-131	UX	0.4136	pCi/L	0.8272	8.203	RL-7124
Radium-226	UX	0.564	pCi/L	1.128	3.199	RL-7124
Strontium-90	UX	2.94	pCi/L	0.61	12	RL-7145
Technetium-99		25.8	pCi/L	12.7	17.6	RL-7100
Tritium	U	-76.4	pCi/L	165	278	704R5

## MW263

## SG02-01

## C-746 S&amp;T QUARTERLY - OCTOBER - SG02-01

## VOA

1,1,1,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
2-Butanone	U	0.01	mg/L	0.01	SW846-8260
2-Hexanone	U	0.01	mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L	0.01	SW846-8260
Benzene	U	0.005	mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromoform	U	0.005	mg/L	0.005	SW846-8260
Bromomethane	U	0.005	mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L	0.005	SW846-8260
Chloroethane	U	0.005	mg/L	0.005	SW846-8260
Chloromethane	U	0.005	mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Dibromomethane	U	0.005	mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	0.005	SW846-8260
Ethanol	U	0.25	mg/L	0.25	SW846-8015
Ethyl methacrylate	JU	0.005	mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L	0.005	SW846-8260
Iodomethane	U	0.005	mg/L	0.005	SW846-8260
Methylene chloride	JU	0.01	mg/L	0.01	SW846-8260
Styrene	U	0.005	mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L	0.005	SW846-8260
Toluene	U	0.005	mg/L	0.005	SW846-8260
Total Xylene	U	0.015	mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L	0.005	SW846-8260
Trichloroethene		0.023	mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01	mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002	mg/L	0.002	SW846-8260
<b>WETCHEM</b>					
Chemical Oxygen Demand (COD)	U	25	mg/L	25	EPA-410.4 1978
Cyanide	U	0.02	mg/L	0.02	SW846-9010-A
Iodide	U	2	mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1	mg/L	1	SW846-9060
Total Organic Halides (TOX)	JUY	0.05	mg/L	0.05	SW846-9020B
Turbidity		0.65	NTU	0.5	EPA-180.1 1978



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MW264

SG02-01

C-746 S&T QUARTERLY - OCTOBER - SG02-01

MW264SG1-02

Collected: 10/9/2001

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		39.8	mg/L		2	SW846-9056
Fluoride		0.16	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		69.4	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.85	Inches/Hg			
Conductivity		494	umho/cm			
Depth to Water		43.15	ft			
Dissolved Oxygen		0.79	mg/L			
pH		6.1	Std Unit			
Redox		135	mV			
Temperature		61.7	deg F			
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium		0.118	mg/L		0.025	SW846-6010A
Beryllium	U	0.005	mg/L		0.005	SW846-6010A
Boron	U	2	mg/L		2	SW846-6010A
Calcium	N	38.4	mg/L		1	SW846-6010A
Chromium	U	0.025	mg/L		0.025	SW846-6010A
Cobalt	U	0.025	mg/L		0.025	SW846-6010A
Copper	BU	0.025	mg/L		0.025	SW846-6010A
Iron	U	0.2	mg/L		0.2	SW846-6010A
Magnesium		14.1	mg/L		0.025	SW846-6010A
Manganese		0.065	mg/L		0.025	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BU	0.05	mg/L		0.05	SW846-6010A
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Potassium	U	2	mg/L		2	SW846-6010A
Rhodium	UX	0.2	mg/L		0.2	SW846-6010A
Silver	BU	0.025	mg/L		0.025	SW846-6010A
Sodium	JN	38.6	mg/L		2	SW846-6010A
Tantalum	UX	0.2	mg/L		0.2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.025	mg/L		0.025	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A
<b>METAL-D</b>						
Barium, Dissolved		0.114	mg/L		0.025	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		320	mg/L		50	EPA-160.2
<b>RADS</b>						
Alpha activity		6.94	pCi/L	3.11	4.49	EPA-900.0
Beta activity	U	3.3	pCi/L	0.654	6.03	EPA-900.0
Iodine-131	UX	0.1987	pCi/L	0.3973	0.7944	RL-7124
Radium-226	UX	0.4108	pCi/L	0.8217	4.35	RL-7124
Strontium-90	UX	1.67	pCi/L	0.357	12	RL-7145
Technetium-99	U	11.4	pCi/L	12.2	17.6	RL-7100
Tritium	U	-38.2	pCi/L	166	278	704R5

## MW264

## SG02-01

## C-746 S&amp;T QUARTERLY - OCTOBER - SG02-01

## VOA

1,1,1,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
2-Butanone	U	0.01	mg/L	0.01	SW846-8260
2-Hexanone	U	0.01	mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L	0.01	SW846-8260
Benzene	U	0.005	mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromoform	U	0.005	mg/L	0.005	SW846-8260
Bromomethane	U	0.005	mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L	0.005	SW846-8260
Chloroethane	U	0.005	mg/L	0.005	SW846-8260
Chloromethane	U	0.005	mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Dibromomethane	U	0.005	mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	0.005	SW846-8260
Ethanol	U	0.25	mg/L	0.25	SW846-8015
Ethyl methacrylate	JU	0.005	mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L	0.005	SW846-8260
Iodomethane	U	0.005	mg/L	0.005	SW846-8260
Methylene chloride	JU	0.01	mg/L	0.01	SW846-8260
Styrene	U	0.005	mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L	0.005	SW846-8260
Toluene	U	0.005	mg/L	0.005	SW846-8260
Total Xylene	U	0.015	mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L	0.005	SW846-8260
Trichloroethene		0.008	mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01	mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002	mg/L	0.002	SW846-8260
<b>WETCHEM</b>					
Chemical Oxygen Demand (COD)	U	25	mg/L	25	EPA-410.4 1978
Cyanide	U	0.02	mg/L	0.02	SW846-9010-A
Iodide	U	2	mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1	mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.05	mg/L	0.05	SW846-9020B
Turbidity		0.55	NTU	0.5	EPA-180.1 1978

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**MW266**

**SG02-01**

## C-746 S&T QUARTERLY - OCTOBER - SG02-01

**MW266SG1-02**

Collected: 10/9/2001

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		46.4	mg/L		2	SW846-9056
Fluoride		0.15	mg/L		0.1	9214
Nitrate as Nitrogen		1.2	mg/L		1	SW846-9056
Sulfate		77.3	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.85	Inches/Hg			
Conductivity		495	umho/cm			
Depth to Water		42.82	ft			
Dissolved Oxygen		1.25	mg/L			
pH		6	Std Unit			
Redox		110	mV			
Temperature		62.7	deg F			
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium		0.037	mg/L		0.025	SW846-6010A
Beryllium	U	0.005	mg/L		0.005	SW846-6010A
Boron	U	2	mg/L		2	SW846-6010A
Calcium	N	37.3	mg/L		1	SW846-6010A
Chromium		0.134	mg/L		0.025	SW846-6010A
Cobalt	U	0.025	mg/L		0.025	SW846-6010A
Copper	BU	0.025	mg/L		0.025	SW846-6010A
Iron		1.9	mg/L		0.2	SW846-6010A
Magnesium		15.5	mg/L		0.025	SW846-6010A
Manganese	U	0.025	mg/L		0.025	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BU	0.05	mg/L		0.05	SW846-6010A
Nickel		0.053	mg/L		0.05	SW846-6010A
Potassium		3.6	mg/L		2	SW846-6010A
Rhodium	UX	0.2	mg/L		0.2	SW846-6010A
Silver	BU	0.025	mg/L		0.025	SW846-6010A
Sodium	JN	30.5	mg/L		2	SW846-6010A
Tantalum	UX	0.2	mg/L		0.2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.025	mg/L		0.025	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A
<b>METAL-D</b>						
Barium, Dissolved		0.037	mg/L		0.025	SW846-6010A
Chromium, Dissolved	U	0.025	mg/L		0.025	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		347	mg/L		50	EPA-160.2
<b>RADS</b>						
Alpha activity	U	0.88	pCi/L	0.718	4.34	EPA-900.0
Beta activity		7.84	pCi/L	1.34	5.93	EPA-900.0
Iodine-131	UX	-2.328	pCi/L	4.655	3.782	RL-7124
Radium-226	UX	0.4024	pCi/L	0.8049	1.424	RL-7124
Strontium-90	UX	7.59	pCi/L	1.43	12	RL-7145
Technetium-99	U	-4.79	pCi/L	0	17.6	RL-7100

## MW266

## SG02-01

## C-746 S&amp;T QUARTERLY - OCTOBER - SG02-01

Tritium	U	52.5	pCi/L	167	278	704R5
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	JU	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260
Methylene chloride	JU	0.01	mg/L		0.01	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene		0.009	mg/L		0.001	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L		0.005	SW846-8260
Vinyl acetate	JU	0.01	mg/L		0.01	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260
<b>WETCHEM</b>						
Chemical Oxygen Demand (COD)	U	25	mg/L		25	EPA-410.4 1978
Cyanide	U	0.02	mg/L		0.02	SW846-9010-A
Iodide	U	2	mg/L		2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1	mg/L		1	SW846-9060
Total Organic Halides (TOX)	JUY	0.05	mg/L		0.05	SW846-9020B
Turbidity		7.9	NTU		0.5	EPA-180.1 1978

MW266

SG02-01

C-746 S&T QUARTERLY - OCTOBER - SG02-01

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MW267

SG02-01

C-746 S&T QUARTERLY - OCTOBER - SG02-01

MW267SG1-02

Collected: 10/10/2001

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		49.2	mg/L		2	SW846-9056
Fluoride		0.13	mg/L		0.1	9214
Nitrate as Nitrogen		1.8	mg/L		1	SW846-9056
Sulfate		8.3	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.71	Inches/Hg			
Conductivity		336	umho/cm			
Depth to Water		58.11	ft			
Dissolved Oxygen		4.41	mg/L			
pH		6	Std Unit			
Redox		185	mV			
Temperature		61	deg F			
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium		0.234	mg/L		0.025	SW846-6010A
Beryllium	U	0.005	mg/L		0.005	SW846-6010A
Boron	U	2	mg/L		2	SW846-6010A
Calcium	N	20.9	mg/L		1	SW846-6010A
Chromium		0.849	mg/L		0.025	SW846-6010A
Cobalt	U	0.025	mg/L		0.025	SW846-6010A
Copper	BU	0.025	mg/L		0.025	SW846-6010A
Iron		3.45	mg/L		0.2	SW846-6010A
Magnesium		8.46	mg/L		0.025	SW846-6010A
Manganese	U	0.025	mg/L		0.025	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	B	0.054	mg/L		0.05	SW846-6010A
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Potassium	U	2	mg/L		2	SW846-6010A
Rhodium	UX	0.2	mg/L		0.2	SW846-6010A
Silver	BU	0.025	mg/L		0.025	SW846-6010A
Sodium	JN	34.6	mg/L		2	SW846-6010A
Tantalum	UX	0.2	mg/L		0.2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.025	mg/L		0.025	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A
<b>METAL-D</b>						
Barium, Dissolved		0.223	mg/L		0.025	SW846-6010A
Chromium, Dissolved	U	0.025	mg/L		0.025	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		217	mg/L		50	EPA-160.2
<b>RADS</b>						
Alpha activity	U	2.76	pCi/L	1.6	3.55	EPA-900.0
Beta activity	U	5.3	pCi/L	0.963	5.41	EPA-900.0
Iodine-131	UX	4.629	pCi/L	9.258	16.12	RL-7124
Radium-226	UX	1.277	pCi/L	2.555	4.459	RL-7124
Strontium-90	UX	6.06	pCi/L	1.18	12	RL-7145
Technetium-99	U	3.51	pCi/L	12	17.6	RL-7100

## MW267

## SG02-01

## C-746 S&amp;T QUARTERLY - OCTOBER - SG02-01

Tritium	U	-69.2	pCi/L	165	278	704R5
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	JU	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	JU	0.005	mg/L		0.005	SW846-8260
Methylene chloride	JU	0.01	mg/L		0.01	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene	U	0.001	mg/L		0.001	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L		0.005	SW846-8260
Vinyl acetate	JU	0.01	mg/L		0.01	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260
<b>WETCHEM</b>						
Chemical Oxygen Demand (COD)	U	25	mg/L		25	EPA-410.4 1978
Cyanide	U	0.02	mg/L		0.02	SW846-9010-A
Iodide	U	2	mg/L		2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1	mg/L		1	SW846-9060
Total Organic Halides (TOX)	U	0.05	mg/L		0.05	SW846-9020B
Turbidity		9.3	NTU		0.5	EPA-180.1 1978

MW267

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C-746 S&T QUARTERLY - OCTOBER - SG02-01

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# Paducah-OREIS Data Report

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12/18/2007

**MW179**

**SG02-02**

## C-746 S&T QUARTERLY - JANUARY - SG02-02

**MW179SG2-02**

Collected: 1/15/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		40.2	mg/L		2	SW846-9056
Fluoride		0.19	mg/L		0.1	9214
Nitrate as Nitrogen	*U	1	mg/L		1	SW846-9056
Sulfate		190.4	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.8	Inches/Hg			
Conductivity		799	umho/cm			
Depth to Water		34.9	ft			
Dissolved Oxygen		1.19	mg/L			
pH		6.2	Std Unit			
Redox		155	mV			
Temperature		62.1	deg F			
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium		0.026	mg/L		0.025	SW846-6010A
Beryllium	U	0.005	mg/L		0.005	SW846-6010A
Boron	BJU	2	mg/L		2	SW846-6010A
Cadmium	BUW	0.005	mg/L		0.005	SW846-7131
Calcium	N	80	mg/L		1	SW846-6010A
Chromium	U	0.025	mg/L		0.025	SW846-6010A
Cobalt	U	0.025	mg/L		0.025	SW846-6010A
Copper	U	0.025	mg/L		0.025	SW846-6010A
Iron	U	0.2	mg/L		0.2	SW846-6010A
Magnesium		22.4	mg/L		0.025	SW846-6010A
Manganese	U	0.025	mg/L		0.025	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	U	0.025	mg/L		0.025	SW846-6010A
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Potassium	U	2	mg/L		2	SW846-6010A
Rhodium	JUX	0.2	mg/L		0.2	SW846-6010A
Selenium	UW	0.01	mg/L		0.01	SW846-7740
Silver	U	0.025	mg/L		0.025	SW846-6010A
Sodium	J	66.2	mg/L		2	SW846-6010A
Tantalum	BUX	0.2	mg/L		0.2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.025	mg/L		0.025	SW846-6010A
Zinc	U	0.1	mg/L		0.1	SW846-6010A
<b>METAL-D</b>						
Barium, Dissolved		0.026	mg/L		0.025	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		523	mg/L		45	EPA-160.2
<b>RADS</b>						
Alpha activity	U	-7.19	pCi/L	3.14	12.5	EPA-900.0
Beta activity		144	pCi/L	9.92	6.86	EPA-900.0
Iodine-131	UX	1.99	pCi/L	3.98	18	RL-7124
Radium-226	UX	0.337	pCi/L	0.674	5.93	RL-7124
Strontium-90	U	0.284	pCi/L	0.0694	23.1	RL-7145

## MW179

## SG02-02

## C-746 S&amp;T QUARTERLY - JANUARY - SG02-02

Technetium-99		161	pCi/L	16.3	17.1	RL-7100
Tritium	U	-51.4	pCi/L	158	267	704R5
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	JU	0.01	mg/L		0.01	SW846-8260
Acrolein	U	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	JU	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	JU	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	JU	0.005	mg/L		0.005	SW846-8260
Methylene chloride	JU	0.01	mg/L		0.01	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene		0.007	mg/L		0.001	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L		0.005	SW846-8260
Vinyl acetate	JU	0.01	mg/L		0.01	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260
<b>WETCHEM</b>						
Chemical Oxygen Demand (COD)	U	35	mg/L		35	EPA-410.4 1978

**MW179**

**SG02-02**

**C-746 S&T QUARTERLY - JANUARY - SG02-02**

Cyanide	U	0.02 mg/L	0.02	SW846-9010-A
Iodide	BU	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1.2 mg/L	1.2	SW846-9060
Total Organic Halides (TOX)	U	0.05 mg/L	0.05	SW846-9020B
Turbidity		0.6 NTU	0.5	EPA-180.1 1978

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# Paducah-OREIS Data Report

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**MW220**

**SG02-02**

## C-746 S&T QUARTERLY - JANUARY - SG02-02

**MW220SG2-02**

Collected: 1/15/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		35.2	mg/L		2	SW846-9056
Fluoride		0.28	mg/L		0.1	9214
Nitrate as Nitrogen	*	1.2	mg/L		1	SW846-9056
Sulfate		13.3	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.77	Inches/Hg			
Conductivity		621	umho/cm			
Depth to Water		57.25	ft			
Dissolved Oxygen		5.72	mg/L			
pH		6.9	Std Unit			
Redox		145	mV			
Temperature		59.2	deg F			
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium		0.233	mg/L		0.025	SW846-6010A
Beryllium	U	0.005	mg/L		0.005	SW846-6010A
Boron	BJU	2	mg/L		2	SW846-6010A
Cadmium	BUW	0.005	mg/L		0.005	SW846-7131
Calcium	N	26.1	mg/L		1	SW846-6010A
Chromium	U	0.025	mg/L		0.025	SW846-6010A
Cobalt	U	0.025	mg/L		0.025	SW846-6010A
Copper	U	0.025	mg/L		0.025	SW846-6010A
Iron	U	0.2	mg/L		0.2	SW846-6010A
Magnesium		10.9	mg/L		0.025	SW846-6010A
Manganese	U	0.025	mg/L		0.025	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	U	0.025	mg/L		0.025	SW846-6010A
Nickel		0.22	mg/L		0.05	SW846-6010A
Potassium		87.5	mg/L		2	SW846-6010A
Rhodium	JUX	0.2	mg/L		0.2	SW846-6010A
Selenium	UW	0.01	mg/L		0.01	SW846-7740
Silver	U	0.025	mg/L		0.025	SW846-6010A
Sodium	J	48.8	mg/L		2	SW846-6010A
Tantalum	BUX	0.2	mg/L		0.2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.025	mg/L		0.025	SW846-6010A
Zinc	U	0.1	mg/L		0.1	SW846-6010A
<b>METAL-D</b>						
Barium, Dissolved		0.219	mg/L		0.025	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		353	mg/L		43	EPA-160.2
<b>RADS</b>						
Alpha activity	U	-8.89	pCi/L	4.75	10.5	EPA-900.0
Beta activity		116	pCi/L	8.47	6.31	EPA-900.0
Iodine-131	UX	4.28	pCi/L	8.55	18.4	RL-7124
Radium-226	UX	5.81	pCi/L	11.6	6.03	RL-7124
Strontium-90	U	20.5	pCi/L	3.48	23.1	RL-7145

## MW220

## SG02-02

## C-746 S&amp;T QUARTERLY - JANUARY - SG02-02

Technetium-99	U	12.1	pCi/L	11.9	17.1	RL-7100
Tritium	U	-25.7	pCi/L	159	267	704R5
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	JUX	0.01	mg/L		0.01	SW846-8260
Acrolein	U	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	JU	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	JU	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	JU	0.005	mg/L		0.005	SW846-8260
Methylene chloride	JU	0.01	mg/L		0.01	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene	U	0.001	mg/L		0.001	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L		0.005	SW846-8260
Vinyl acetate	JU	0.01	mg/L		0.01	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260
<b>WETCHEM</b>						
Chemical Oxygen Demand (COD)	U	35	mg/L		35	EPA-410.4 1978

**MW220**

**SG02-02**

**C-746 S&T QUARTERLY - JANUARY - SG02-02**

Cyanide	U	0.02 mg/L	0.02	SW846-9010-A
Iodide	BU	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1.2 mg/L	1.2	SW846-9060
Total Organic Halides (TOX)	U	0.05 mg/L	0.05	SW846-9020B
Turbidity		1.5 NTU	0.5	EPA-180.1 1978

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MW221

SG02-02

C-746 S&T QUARTERLY - JANUARY - SG02-02

MW221SG2-02

Collected: 1/15/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		47.7	mg/L		2	SW846-9056
Fluoride		0.18	mg/L		0.1	9214
Nitrate as Nitrogen	*	1.7	mg/L		1	SW846-9056
Sulfate		12.4	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.74	Inches/Hg			
Conductivity		414	umho/cm			
Depth to Water		66.65	ft			
Dissolved Oxygen		3.93	mg/L			
pH		6.1	Std Unit			
Redox		150	mV			
Temperature		61.8	deg F			
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium		0.268	mg/L		0.025	SW846-6010A
Beryllium	U	0.005	mg/L		0.005	SW846-6010A
Boron	BJU	2	mg/L		2	SW846-6010A
Cadmium	BUW	0.005	mg/L		0.005	SW846-7131
Calcium	N	26.7	mg/L		1	SW846-6010A
Chromium		0.043	mg/L		0.025	SW846-6010A
Cobalt	U	0.025	mg/L		0.025	SW846-6010A
Copper	U	0.025	mg/L		0.025	SW846-6010A
Iron		0.223	mg/L		0.2	SW846-6010A
Magnesium		11.7	mg/L		0.025	SW846-6010A
Manganese		0.037	mg/L		0.025	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	U	0.025	mg/L		0.025	SW846-6010A
Nickel		0.46	mg/L		0.05	SW846-6010A
Potassium		2.5	mg/L		2	SW846-6010A
Rhodium	JUX	0.2	mg/L		0.2	SW846-6010A
Selenium	UW	0.01	mg/L		0.01	SW846-7740
Silver	U	0.025	mg/L		0.025	SW846-6010A
Sodium	J	46.9	mg/L		2	SW846-6010A
Tantalum	BUX	0.2	mg/L		0.2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.025	mg/L		0.025	SW846-6010A
Zinc	U	0.1	mg/L		0.1	SW846-6010A
<b>METAL-D</b>						
Barium, Dissolved		0.254	mg/L		0.025	SW846-6010A
Chromium, Dissolved	U	0.025	mg/L		0.025	SW846-6010A
<b>PHYSIC</b>						
Dissolved Solids		231	mg/L		50	EPA-160.2
<b>RADS</b>						
Alpha activity	U	-1.73	pCi/L	1.55	7.4	EPA-900.0
Beta activity		7.8	pCi/L	1.5	5.53	EPA-900.0
Iodine-131	UX	-2.65	pCi/L	5.3	18	RL-7124
Radium-226	UX	0.122	pCi/L	0.244	5.86	RL-7124

## MW221

## SG02-02

## C-746 S&amp;T QUARTERLY - JANUARY - SG02-02

Strontium-90	U	-1.14	pCi/L	0.289	23.1	RL-7145
Technetium-99	U	11.5	pCi/L	11.9	17.1	RL-7100
Tritium	U	-85.7	pCi/L	157	267	704R5
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	JU	0.01	mg/L		0.01	SW846-8260
Acrolein	U	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	JU	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	JU	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	JU	0.005	mg/L		0.005	SW846-8260
Methylene chloride	JU	0.01	mg/L		0.01	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene		0.002	mg/L		0.001	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L		0.005	SW846-8260
Vinyl acetate	JU	0.01	mg/L		0.01	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260

## WETCHEM



**MW221**

**SG02-02**

**C-746 S&T QUARTERLY - JANUARY - SG02-02**

Chemical Oxygen Demand (COD)	U	35 mg/L	35	EPA-410.4 1978
Cyanide	U	0.02 mg/L	0.02	SW846-9010-A
Iodide	BU	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1.2 mg/L	1.2	SW846-9060
Total Organic Halides (TOX)	U	0.05 mg/L	0.05	SW846-9020B
Turbidity		1.5 NTU	0.5	EPA-180.1 1978

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**MW222**

**SG02-02**

**C-746 S&T QUARTERLY - JANUARY - SG02-02**

**MW222SG2-02**

Collected: 1/14/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		35.2	mg/L		2	SW846-9056
Fluoride		0.3	mg/L		0.1	9214
Nitrate as Nitrogen		1	mg/L		1	SW846-9056
Sulfate		12	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.35	Inches/Hg			
Conductivity		369	umho/cm			
Depth to Water		70.23	ft			
Dissolved Oxygen		1.26	mg/L			
pH		6.6	Std Unit			
Redox		115	mV			
Temperature		59.4	deg F			
<b>METAL</b>						
Aluminum		3.84	mg/L		0.2	SW846-6010A
Barium		0.326	mg/L		0.025	SW846-6010A
Beryllium	U	0.005	mg/L		0.005	SW846-6010A
Boron	BJU	2	mg/L		2	SW846-6010A
Cadmium	BUW	0.005	mg/L		0.005	SW846-7131
Calcium	N	21.9	mg/L		1	SW846-6010A
Chromium		0.097	mg/L		0.025	SW846-6010A
Cobalt	U	0.025	mg/L		0.025	SW846-6010A
Copper	U	0.025	mg/L		0.025	SW846-6010A
Iron		8.01	mg/L		0.2	SW846-6010A
Magnesium		9.39	mg/L		0.025	SW846-6010A
Manganese		0.216	mg/L		0.025	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	U	0.025	mg/L		0.025	SW846-6010A
Nickel		0.199	mg/L		0.05	SW846-6010A
Potassium		3.86	mg/L		2	SW846-6010A
Rhodium	JUX	0.2	mg/L		0.2	SW846-6010A
Selenium	UW	0.01	mg/L		0.01	SW846-7740
Silver	U	0.025	mg/L		0.025	SW846-6010A
Sodium	J	52	mg/L		2	SW846-6010A
Tantalum	BUX	0.2	mg/L		0.2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.025	mg/L		0.025	SW846-6010A
Zinc	U	0.1	mg/L		0.1	SW846-6010A
<b>METAL-D</b>						
Barium, Dissolved		0.229	mg/L		0.025	SW846-6010A
Chromium, Dissolved	U	0.025	mg/L		0.025	SW846-6010A
<b>PHYSIC</b>						
Dissolved Solids		237	mg/L		43	EPA-160.2
<b>RADS</b>						
Alpha activity	U	-2.71	pCi/L	3.13	7.55	EPA-900.0
Beta activity		7.26	pCi/L	1.42	5.57	EPA-900.0
Iodine-131	UX	0.855	pCi/L	1.71	15.8	RL-7124
Radium-226	X	5.31	pCi/L	3.08	4.32	RL-7124

## MW222

## SG02-02

## C-746 S&amp;T QUARTERLY - JANUARY - SG02-02

Strontium-90	U	1.7	pCi/L	0.402	23.1	RL-7145
Technetium-99	U	3.33	pCi/L	11.5	17.1	RL-7100
Tritium	U	-92.2	pCi/L	157	267	704R5
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	JU	0.01	mg/L		0.01	SW846-8260
Acrolein	U	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	JU	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	JU	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	JU	0.005	mg/L		0.005	SW846-8260
Methylene chloride	JU	0.01	mg/L		0.01	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene	U	0.001	mg/L		0.001	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L		0.005	SW846-8260
Vinyl acetate	JU	0.01	mg/L		0.01	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260

## WETCHEM

**MW222**

**SG02-02**

**C-746 S&T QUARTERLY - JANUARY - SG02-02**

Chemical Oxygen Demand (COD)	U	35 mg/L	35	EPA-410.4 1978
Cyanide	U	0.02 mg/L	0.02	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1.2 mg/L	1.2	SW846-9060
Total Organic Halides (TOX)	JU	0.05 mg/L	0.05	SW846-9020B
Turbidity		80 NTU	0.5	EPA-180.1 1978

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12/18/2007

MW223

SG02-02

C-746 S&T QUARTERLY - JANUARY - SG02-02

MW223SG2-02

Collected: 1/15/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		42.2	mg/L		2	SW846-9056
Fluoride		0.3	mg/L		0.1	9214
Nitrate as Nitrogen	*	2	mg/L		1	SW846-9056
Sulfate		11.6	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.77	Inches/Hg			
Conductivity		391	umho/cm			
Depth to Water		69.87	ft			
Dissolved Oxygen		1.84	mg/L			
pH		6.6	Std Unit			
Redox		180	mV			
Temperature		60.1	deg F			
<b>METAL</b>						
Aluminum		57.2	mg/L		0.2	SW846-6010A
Barium		0.941	mg/L		0.025	SW846-6010A
Beryllium	U	0.005	mg/L		0.005	SW846-6010A
Boron	BJU	2	mg/L		2	SW846-6010A
Cadmium	BUW	0.005	mg/L		0.005	SW846-7131
Calcium	N	25.8	mg/L		1	SW846-6010A
Chromium		1.2	mg/L		0.025	SW846-6010A
Cobalt		0.102	mg/L		0.025	SW846-6010A
Copper		0.064	mg/L		0.025	SW846-6010A
Iron		117	mg/L		0.2	SW846-6010A
Magnesium		13	mg/L		0.025	SW846-6010A
Manganese		6.38	mg/L		0.025	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum		0.089	mg/L		0.025	SW846-6010A
Nickel		1.14	mg/L		0.05	SW846-6010A
Potassium		13.9	mg/L		2	SW846-6010A
Rhodium	JUX	0.2	mg/L		0.2	SW846-6010A
Selenium	UW	0.01	mg/L		0.01	SW846-7740
Silver	U	0.025	mg/L		0.025	SW846-6010A
Sodium	J	46.6	mg/L		2	SW846-6010A
Tantalum	BUX	0.2	mg/L		0.2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium		0.002	mg/L		0.001	IN7105
Vanadium		0.098	mg/L		0.025	SW846-6010A
Zinc		0.222	mg/L		0.1	SW846-6010A
<b>METAL-D</b>						
Barium, Dissolved		0.16	mg/L		0.025	SW846-6010A
Uranium, Dissolved	U	0.001	mg/L		0.001	IN7105
<b>PHYSC</b>						
Dissolved Solids		250	mg/L		43	EPA-160.2
<b>RADS</b>						
Alpha activity	U	1.07	pCi/L	0.616	8.07	EPA-900.0
Beta activity		15.9	pCi/L	2.51	5.7	EPA-900.0
Iodine-131	UX	1.71	pCi/L	3.41	20	RL-7124
Radium-226	X	5.77	pCi/L	2.6	4.66	RL-7124

## MW223

## SG02-02

## C-746 S&amp;T QUARTERLY - JANUARY - SG02-02

Strontium-90	U	10.5	pCi/L	2.07	23.1	RL-7145
Technetium-99	U	10.5	pCi/L	11.8	17.1	RL-7100
Tritium	U	-75	pCi/L	158	267	704R5
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	JU	0.01	mg/L		0.01	SW846-8260
Acrolein	U	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	JU	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	JU	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	JU	0.005	mg/L		0.005	SW846-8260
Methylene chloride	JU	0.01	mg/L		0.01	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene	U	0.001	mg/L		0.001	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L		0.005	SW846-8260
Vinyl acetate	JU	0.01	mg/L		0.01	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260

## WETCHEM

**MW223**

**SG02-02**

**C-746 S&T QUARTERLY - JANUARY - SG02-02**

Chemical Oxygen Demand (COD)	U	35 mg/L	35	EPA-410.4 1978
Cyanide	U	0.02 mg/L	0.02	SW846-9010-A
Iodide	BU	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	JU	1.2 mg/L	1.2	SW846-9060
Total Organic Halides (TOX)	JU	0.05 mg/L	0.05	SW846-9020B
Turbidity		800 NTU	0.5	EPA-180.1 1978

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MW224

SG02-02

C-746 S&T QUARTERLY - JANUARY - SG02-02

MW224SG2-02

Collected: 1/14/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		44.6	mg/L		2	SW846-9056
Fluoride		0.24	mg/L		0.1	9214
Nitrate as Nitrogen		1.6	mg/L		1	SW846-9056
Sulfate		13.6	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.35	Inches/Hg			
Conductivity		431	umho/cm			
Depth to Water		70.8	ft			
Dissolved Oxygen		4.46	mg/L			
pH		6.1	Std Unit			
Redox		155	mV			
Temperature		58.6	deg F			
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium		0.263	mg/L		0.025	SW846-6010A
Beryllium	U	0.005	mg/L		0.005	SW846-6010A
Boron	BJU	2	mg/L		2	SW846-6010A
Cadmium	BUW	0.005	mg/L		0.005	SW846-7131
Calcium	N	30.6	mg/L		1	SW846-6010A
Chromium	U	0.025	mg/L		0.025	SW846-6010A
Cobalt	U	0.025	mg/L		0.025	SW846-6010A
Copper	U	0.025	mg/L		0.025	SW846-6010A
Iron	U	0.2	mg/L		0.2	SW846-6010A
Magnesium		12.9	mg/L		0.025	SW846-6010A
Manganese	U	0.025	mg/L		0.025	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	U	0.025	mg/L		0.025	SW846-6010A
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Potassium	U	2	mg/L		2	SW846-6010A
Rhodium	JUX	0.2	mg/L		0.2	SW846-6010A
Selenium	UW	0.01	mg/L		0.01	SW846-7740
Silver	U	0.025	mg/L		0.025	SW846-6010A
Sodium	J	51.8	mg/L		2	SW846-6010A
Tantalum	BUX	0.2	mg/L		0.2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.025	mg/L		0.025	SW846-6010A
Zinc	U	0.1	mg/L		0.1	SW846-6010A
<b>METAL-D</b>						
Barium, Dissolved		0.227	mg/L		0.025	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		258	mg/L		43	EPA-160.2
<b>RADS</b>						
Alpha activity	U	-3.18	pCi/L	4.5	7.89	EPA-900.0
Beta activity	U	5.57	pCi/L	1.15	5.65	EPA-900.0
Iodine-131	UX	5.31	pCi/L	10.6	15.5	RL-7124
Radium-226	UX	5.36	pCi/L	1.07	6.04	RL-7124
Strontium-90	U	-2.84	pCi/L	0.759	23.1	RL-7145



## MW224

## SG02-02

## C-746 S&amp;T QUARTERLY - JANUARY - SG02-02

Technetium-99	U	5.51	pCi/L	11.7	17.1	RL-7100
Tritium	U	-77.2	pCi/L	158	267	704R5
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	JU	0.01	mg/L		0.01	SW846-8260
Acrolein	U	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	JU	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	JU	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	JU	0.005	mg/L		0.005	SW846-8260
Methylene chloride	JU	0.01	mg/L		0.01	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene		0.002	mg/L		0.001	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L		0.005	SW846-8260
Vinyl acetate	JU	0.01	mg/L		0.01	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260
<b>WETCHEM</b>						
Chemical Oxygen Demand (COD)	U	35	mg/L		35	EPA-410.4 1978

**MW224**

**SG02-02**

**C-746 S&T QUARTERLY - JANUARY - SG02-02**

Cyanide	U	0.02 mg/L	0.02	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1.2 mg/L	1.2	SW846-9060
Total Organic Halides (TOX)	JU	0.05 mg/L	0.05	SW846-9020B
Turbidity	U	0.5 NTU	0.5	EPA-180.1 1978

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MW263

SG02-02

C-746 S&T QUARTERLY - JANUARY - SG02-02

MW263SG2-02

Collected: 1/15/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		50.6	mg/L		2	SW846-9056
Fluoride		0.19	mg/L		0.1	9214
Nitrate as Nitrogen	*U	1	mg/L		1	SW846-9056
Sulfate		45.6	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.77	Inches/Hg			
Conductivity		520	umho/cm			
Depth to Water		35.45	ft			
Dissolved Oxygen		1.39	mg/L			
pH		6.2	Std Unit			
Redox		150	mV			
Temperature		60.1	deg F			
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium		0.07	mg/L		0.025	SW846-6010A
Beryllium	U	0.005	mg/L		0.005	SW846-6010A
Boron	BJU	2	mg/L		2	SW846-6010A
Cadmium	BUW	0.005	mg/L		0.005	SW846-7131
Calcium	N	41.3	mg/L		1	SW846-6010A
Chromium		0.297	mg/L		0.025	SW846-6010A
Cobalt	U	0.025	mg/L		0.025	SW846-6010A
Copper		0.032	mg/L		0.025	SW846-6010A
Iron		2.26	mg/L		0.2	SW846-6010A
Magnesium		16.8	mg/L		0.025	SW846-6010A
Manganese	U	0.025	mg/L		0.025	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	U	0.025	mg/L		0.025	SW846-6010A
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Potassium		2.9	mg/L		2	SW846-6010A
Rhodium	JUX	0.2	mg/L		0.2	SW846-6010A
Selenium	UW	0.01	mg/L		0.01	SW846-7740
Silver	U	0.025	mg/L		0.025	SW846-6010A
Sodium	J	49.2	mg/L		2	SW846-6010A
Tantalum	BUX	0.2	mg/L		0.2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.025	mg/L		0.025	SW846-6010A
Zinc	U	0.1	mg/L		0.1	SW846-6010A
<b>METAL-D</b>						
Barium, Dissolved		0.067	mg/L		0.025	SW846-6010A
Chromium, Dissolved	U	0.025	mg/L		0.025	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		301	mg/L		45	EPA-160.2
<b>RADS</b>						
Alpha activity	U	0.833	pCi/L	0.481	9.04	EPA-900.0
Beta activity		19.9	pCi/L	2.95	5.94	EPA-900.0
Iodine-131	UX	-4.96	pCi/L	9.93	16.2	RL-7124
Radium-226	UX	1.61	pCi/L	3.22	6.03	RL-7124

## MW263

## SG02-02

## C-746 S&amp;T QUARTERLY - JANUARY - SG02-02

Strontium-90	U	0.568	pCi/L	0.138	23.1	RL-7145
Technetium-99	U	15.6	pCi/L	12	17.1	RL-7100
Tritium	U	-109	pCi/L	157	267	704R5
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	JUX	0.01	mg/L		0.01	SW846-8260
Acrolein	U	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	JU	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	JU	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	JU	0.005	mg/L		0.005	SW846-8260
Methylene chloride	JU	0.01	mg/L		0.01	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene		0.022	mg/L		0.001	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L		0.005	SW846-8260
Vinyl acetate	JU	0.01	mg/L		0.01	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260

## WETCHEM

**MW263**

**SG02-02**

**C-746 S&T QUARTERLY - JANUARY - SG02-02**

Chemical Oxygen Demand (COD)	U	35 mg/L	35	EPA-410.4 1978
Cyanide	U	0.02 mg/L	0.02	SW846-9010-A
Iodide	BU	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1.2 mg/L	1.2	SW846-9060
Total Organic Halides (TOX)	JU	0.05 mg/L	0.05	SW846-9020B
Turbidity		4.9 NTU	0.5	EPA-180.1 1978

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Paducah-OREIS Data Report

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12/18/2007

MW264

SG02-02

C-746 S&T QUARTERLY - JANUARY - SG02-02

MW264SG2-02

Collected: 1/14/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		36	mg/L		2	SW846-9056
Fluoride		0.15	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		72.7	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.29	Inches/Hg			
Conductivity		501	umho/cm			
Depth to Water		40.55	ft			
Dissolved Oxygen		0.77	mg/L			
pH		6.2	Std Unit			
Redox		130	mV			
Temperature		60.2	deg F			
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium		0.114	mg/L		0.025	SW846-6010A
Beryllium	U	0.005	mg/L		0.005	SW846-6010A
Boron	BJU	2	mg/L		2	SW846-6010A
Cadmium	BUW	0.005	mg/L		0.005	SW846-7131
Calcium	N	41.6	mg/L		1	SW846-6010A
Chromium	U	0.025	mg/L		0.025	SW846-6010A
Cobalt	U	0.025	mg/L		0.025	SW846-6010A
Copper	U	0.025	mg/L		0.025	SW846-6010A
Iron	U	0.2	mg/L		0.2	SW846-6010A
Magnesium		15.4	mg/L		0.025	SW846-6010A
Manganese		0.051	mg/L		0.025	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	U	0.025	mg/L		0.025	SW846-6010A
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Potassium	U	2	mg/L		2	SW846-6010A
Rhodium	JUX	0.2	mg/L		0.2	SW846-6010A
Selenium	UW	0.01	mg/L		0.01	SW846-7740
Silver	U	0.025	mg/L		0.025	SW846-6010A
Sodium	J	43.7	mg/L		2	SW846-6010A
Tantalum	BUX	0.2	mg/L		0.2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.025	mg/L		0.025	SW846-6010A
Zinc	U	0.1	mg/L		0.1	SW846-6010A
<b>METAL-D</b>						
Barium, Dissolved		0.112	mg/L		0.025	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		297	mg/L		47	EPA-160.2
<b>RADS</b>						
Alpha activity	U	-2.96	pCi/L	3.41	8.59	EPA-900.0
Beta activity		6.36	pCi/L	1.29	5.83	EPA-900.0
Iodine-131	UX	7.22	pCi/L	14.4	15	RL-7124
Radium-226	UX	1.48	pCi/L	2.95	5.95	RL-7124
Strontium-90	U	-4.14	pCi/L	1.09	23.1	RL-7145

## MW264

## SG02-02

## C-746 S&amp;T QUARTERLY - JANUARY - SG02-02

Technetium-99	U	2.89	pCi/L	11.5	17.1	RL-7100
Tritium	U	-120	pCi/L	157	267	704R5
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	JU	0.01	mg/L		0.01	SW846-8260
Acrolein	U	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	JU	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	JU	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	JU	0.005	mg/L		0.005	SW846-8260
Methylene chloride	JU	0.01	mg/L		0.01	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene		0.005	mg/L		0.001	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L		0.005	SW846-8260
Vinyl acetate	JU	0.01	mg/L		0.01	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260
<b>WETCHEM</b>						
Chemical Oxygen Demand (COD)	U	35	mg/L		35	EPA-410.4 1978

**MW264**

**SG02-02**

**C-746 S&T QUARTERLY - JANUARY - SG02-02**

Cyanide	U	0.02 mg/L	0.02	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1.2 mg/L	1.2	SW846-9060
Total Organic Halides (TOX)	U	0.05 mg/L	0.05	SW846-9020B
Turbidity		1.3 NTU	0.5	EPA-180.1 1978

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MW266

SG02-02

C-746 S&T QUARTERLY - JANUARY - SG02-02

MW266SG2-02

Collected: 1/14/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		46.8	mg/L		2	SW846-9056
Fluoride		0.13	mg/L		0.1	9214
Nitrate as Nitrogen		1.2	mg/L		1	SW846-9056
Sulfate		65.5	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.29	Inches/Hg			
Conductivity		488	umho/cm			
Depth to Water		40.24	ft			
Dissolved Oxygen		1.77	mg/L			
pH		6	Std Unit			
Redox		150	mV			
Temperature		60.4	deg F			
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium		0.048	mg/L		0.025	SW846-6010A
Beryllium	U	0.005	mg/L		0.005	SW846-6010A
Boron	BJU	2	mg/L		2	SW846-6010A
Cadmium	BUW	0.005	mg/L		0.005	SW846-7131
Calcium	N	38.6	mg/L		1	SW846-6010A
Chromium		0.142	mg/L		0.025	SW846-6010A
Cobalt	U	0.025	mg/L		0.025	SW846-6010A
Copper	U	0.025	mg/L		0.025	SW846-6010A
Iron		2.1	mg/L		0.2	SW846-6010A
Magnesium		15.5	mg/L		0.025	SW846-6010A
Manganese		0.041	mg/L		0.025	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	U	0.025	mg/L		0.025	SW846-6010A
Nickel		0.129	mg/L		0.05	SW846-6010A
Potassium		4.17	mg/L		2	SW846-6010A
Rhodium	JUX	0.2	mg/L		0.2	SW846-6010A
Selenium	UW	0.01	mg/L		0.01	SW846-7740
Silver	U	0.025	mg/L		0.025	SW846-6010A
Sodium		35.9	mg/L		2	SW846-6010A
Tantalum	BUX	0.2	mg/L		0.2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.025	mg/L		0.025	SW846-6010A
Zinc	U	0.1	mg/L		0.1	SW846-6010A
<b>METAL-D</b>						
Barium, Dissolved		0.048	mg/L		0.025	SW846-6010A
Chromium, Dissolved	U	0.025	mg/L		0.025	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		283	mg/L		43	EPA-160.2
<b>RADS</b>						
Alpha activity	U	-2.6	pCi/L	3	7.81	EPA-900.0
Beta activity	U	5.25	pCi/L	1.1	5.64	EPA-900.0
Iodine-131	UX	-3.14	pCi/L	6.38	1.34	RL-7124
Radium-226	UX	-3.19	pCi/L	6.28	5.78	RL-7124

## MW266

## SG02-02

## C-746 S&amp;T QUARTERLY - JANUARY - SG02-02

Strontium-90	U	7.67	pCi/L	1.59	23.1	RL-7145
Technetium-99	U	12.8	pCi/L	11.9	17.1	RL-7100
Tritium	U	-98.6	pCi/L	157	267	704R5
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	JU	0.01	mg/L		0.01	SW846-8260
Acrolein	U	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	JU	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	JU	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	JU	0.005	mg/L		0.005	SW846-8260
Methylene chloride	JU	0.01	mg/L		0.01	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene		0.007	mg/L		0.001	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L		0.005	SW846-8260
Vinyl acetate	JU	0.01	mg/L		0.01	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260

## WETCHEM

**MW266**

**SG02-02**

**C-746 S&T QUARTERLY - JANUARY - SG02-02**

Chemical Oxygen Demand (COD)	U	35 mg/L	35	EPA-410.4 1978
Cyanide	U	0.02 mg/L	0.02	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1.2 mg/L	1.2	SW846-9060
Total Organic Halides (TOX)	U	0.05 mg/L	0.05	SW846-9020B
Turbidity		17 NTU	0.5	EPA-180.1 1978

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12/18/2007

MW267

SG02-02

C-746 S&T QUARTERLY - JANUARY - SG02-02

MW267SG2-02

Collected: 1/15/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		49.3	mg/L		2	SW846-9056
Fluoride		0.14	mg/L		0.1	9214
Nitrate as Nitrogen	*	1.9	mg/L		1	SW846-9056
Sulfate		11.2	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.77	Inches/Hg			
Conductivity		402	umho/cm			
Depth to Water		56.31	ft			
Dissolved Oxygen		2.27	mg/L			
pH		6.1	Std Unit			
Redox		155	mV			
Temperature		57.1	deg F			
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium		0.238	mg/L		0.025	SW846-6010A
Beryllium	U	0.005	mg/L		0.005	SW846-6010A
Boron	BJU	2	mg/L		2	SW846-6010A
Cadmium	BUW	0.005	mg/L		0.005	SW846-7131
Calcium	N	22.4	mg/L		1	SW846-6010A
Chromium		0.32	mg/L		0.025	SW846-6010A
Cobalt	U	0.025	mg/L		0.025	SW846-6010A
Copper	U	0.025	mg/L		0.025	SW846-6010A
Iron		1.23	mg/L		0.2	SW846-6010A
Magnesium		9.13	mg/L		0.025	SW846-6010A
Manganese	U	0.025	mg/L		0.025	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum		0.042	mg/L		0.025	SW846-6010A
Nickel		0.062	mg/L		0.05	SW846-6010A
Potassium		3.32	mg/L		2	SW846-6010A
Rhodium	JUX	0.2	mg/L		0.2	SW846-6010A
Selenium	UW	0.01	mg/L		0.01	SW846-7740
Silver	U	0.025	mg/L		0.025	SW846-6010A
Sodium	J	36.5	mg/L		2	SW846-6010A
Tantalum	BUX	0.2	mg/L		0.2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.025	mg/L		0.025	SW846-6010A
Zinc	U	0.1	mg/L		0.1	SW846-6010A
<b>METAL-D</b>						
Barium, Dissolved		0.232	mg/L		0.025	SW846-6010A
Chromium, Dissolved	U	0.025	mg/L		0.025	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		207	mg/L		43	EPA-160.2
<b>RADS</b>						
Alpha activity	U	1.82	pCi/L	1.01	7.44	EPA-900.0
Beta activity		12	pCi/L	2.04	5.55	EPA-900.0
Iodine-131	UX	-5.75	pCi/L	11.5	17.5	RL-7124
Radium-226	UX	0.96	pCi/L	1.92	5.63	RL-7124

\*QUALIFIER Codes See attached List.

## MW267

## SG02-02

## C-746 S&amp;T QUARTERLY - JANUARY - SG02-02

Strontium-90	U	2.27	pCi/L	0.528	23.1	RL-7145
Technetium-99	U	3.44	pCi/L	11.6	17.1	RL-7100
Tritium	U	-66.5	pCi/L	158	267	704R5
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	JU	0.01	mg/L		0.01	SW846-8260
Acrolein	U	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	JU	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	JU	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	JU	0.005	mg/L		0.005	SW846-8260
Methylene chloride	JU	0.01	mg/L		0.01	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene	U	0.001	mg/L		0.001	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L		0.005	SW846-8260
Vinyl acetate	JU	0.01	mg/L		0.01	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260

## WETCHEM

**MW267**

**SG02-02**

**C-746 S&T QUARTERLY - JANUARY - SG02-02**

Chemical Oxygen Demand (COD)	U	35 mg/L	35	EPA-410.4 1978
Cyanide	U	0.02 mg/L	0.02	SW846-9010-A
Iodide	BU	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1.2 mg/L	1.2	SW846-9060
Total Organic Halides (TOX)	U	0.05 mg/L	0.05	SW846-9020B
Turbidity		7.7 NTU	0.5	EPA-180.1 1978

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**MW179**

**SG02-03**

**C-746 S&T QUARTERLY - APRIL - SG02-03**

**MW179SG3-02**

Collected: 4/2/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		41.6	mg/L		2	SW846-9056
Fluoride		0.2	mg/L		0.1	9214
Nitrate as Nitrogen		1.4	mg/L		1	SW846-9056
Sulfate		157.8	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.38	Inches/Hg			
Conductivity		837	umho/cm			
Depth to Water		31.09	ft			
Dissolved Oxygen		2.18	mg/L			
pH		6.3	Std Unit			
Redox		165	mV			
Temperature		62.6	deg F			
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium	U	0.025	mg/L		0.025	SW846-6010A
Beryllium	U	0.005	mg/L		0.005	SW846-6010A
Boron	U	2	mg/L		2	SW846-6010A
Cadmium	NUW	0.005	mg/L		0.005	SW846-7131
Calcium		70	mg/L		1	SW846-6010A
Chromium	U	0.025	mg/L		0.025	SW846-6010A
Cobalt	U	0.025	mg/L		0.025	SW846-6010A
Copper	U	0.025	mg/L		0.025	SW846-6010A
Iron	U	0.2	mg/L		0.2	SW846-6010A
Magnesium	B	19.1	mg/L		0.025	SW846-6010A
Manganese	U	0.025	mg/L		0.025	SW846-6010A
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	U	0.025	mg/L		0.025	SW846-6010A
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Potassium	U	2	mg/L		2	SW846-6010A
Rhodium	UX	0.2	mg/L		0.2	SW846-6010A
Selenium	U	0.01	mg/L		0.01	SW846-7740
Silver	BU	0.025	mg/L		0.025	SW846-6010A
Sodium		62.8	mg/L		2	SW846-6010A
Tantalum	UX	0.2	mg/L		0.2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium		0.038	mg/L		0.025	SW846-6010A
Zinc	U	0.1	mg/L		0.1	SW846-6010A
<b>METAL-D</b>						
Barium, Dissolved	U	0.025	mg/L		0.025	SW846-6010A
Chromium, Dissolved	U	0.025	mg/L		0.025	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		508	mg/L		10	EPA-160.2
<b>RADS</b>						
Alpha activity		11	pCi/L	2.83	8.71	EPA-900.0
Beta activity		391	pCi/L	16.1	7.4	EPA-900.0
Iodine-131	U	45.4	pCi/L	90.8	121	RL-7124
Radium-226	U	-19.2	pCi/L	38.3	55.9	RL-7124

## MW179

## SG02-03

## C-746 S&amp;T QUARTERLY - APRIL - SG02-03

Strontium-90	U	1.64	pCi/L	0.421	17.5	RL-7145
Technetium-99		542	pCi/L	23.9	16.7	RL-7100
Tritium	U	179	pCi/L	170	278	704R5
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JU	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	U	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	JU	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260
Methylene chloride	JU	0.01	mg/L		0.01	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene		0.008	mg/L		0.001	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L		0.005	SW846-8260
Vinyl acetate	JU	0.01	mg/L		0.01	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260
<b>WETCHEM</b>						
Chemical Oxygen Demand (COD)	U	35	mg/L		35	EPA-410.4 1978



**MW179**

**SG02-03**

**C-746 S&T QUARTERLY - APRIL - SG02-03**

Cyanide	U	0.02 mg/L	0.02	SW846-9010-A
Iodide	BU	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		2.2 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.05 mg/L	0.05	SW846-9020B
Turbidity	U	0.5 NTU	0.5	EPA-180.1 1978

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## MW220

## SG02-03

## C-746 S&amp;T QUARTERLY - APRIL - SG02-03

## MW220SG3-02

Collected: 4/1/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		35.4	mg/L		2	SW846-9056
Fluoride		0.24	mg/L		0.1	9214
Nitrate as Nitrogen		1.3	mg/L		1	SW846-9056
Sulfate		13	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.68	Inches/Hg			
Conductivity		445	umho/cm			
Depth to Water		53.89	ft			
Dissolved Oxygen		5.86	mg/L			
pH		6.4	Std Unit			
Redox		205	mV			
Temperature		60.8	deg F			
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium		0.202	mg/L		0.025	SW846-6010A
Beryllium	U	0.005	mg/L		0.005	SW846-6010A
Boron	U	2	mg/L		2	SW846-6010A
Cadmium	NUW	0.005	mg/L		0.005	SW846-7131
Calcium		25.9	mg/L		1	SW846-6010A
Chromium	U	0.025	mg/L		0.025	SW846-6010A
Cobalt	U	0.025	mg/L		0.025	SW846-6010A
Copper	U	0.025	mg/L		0.025	SW846-6010A
Iron	U	0.2	mg/L		0.2	SW846-6010A
Magnesium	B	9.91	mg/L		0.025	SW846-6010A
Manganese	U	0.025	mg/L		0.025	SW846-6010A
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	U	0.025	mg/L		0.025	SW846-6010A
Nickel		0.375	mg/L		0.05	SW846-6010A
Potassium		16	mg/L		2	SW846-6010A
Rhodium	UX	0.2	mg/L		0.2	SW846-6010A
Selenium	U	0.01	mg/L		0.01	SW846-7740
Silver	BU	0.025	mg/L		0.025	SW846-6010A
Sodium		38.7	mg/L		2	SW846-6010A
Tantalum	UX	0.2	mg/L		0.2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.025	mg/L		0.025	SW846-6010A
Zinc	U	0.1	mg/L		0.1	SW846-6010A
<b>METAL-D</b>						
Barium, Dissolved		0.218	mg/L		0.025	SW846-6010A
Chromium, Dissolved	U	0.025	mg/L		0.025	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		255	mg/L		10	EPA-160.2
<b>RADS</b>						
Alpha activity	U	1.93	pCi/L	1.16	5.79	EPA-900.0
Beta activity		24.5	pCi/L	3.13	6.31	EPA-900.0
Iodine-131		164	pCi/L	128	53.2	RL-7124
Technetium-99	U	11	pCi/L	11.6	16.7	RL-7100

## MW220

## SG02-03

## C-746 S&amp;T QUARTERLY - APRIL - SG02-03

Tritium	U	46.6	pCi/L	168	279	704R5
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JU	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	U	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	JU	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260
Methylene chloride	JU	0.01	mg/L		0.01	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene	U	0.001	mg/L		0.001	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L		0.005	SW846-8260
Vinyl acetate	JU	0.01	mg/L		0.01	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260
<b>WETCHEM</b>						
Chemical Oxygen Demand (COD)	U	35	mg/L		35	EPA-410.4 1978
Cyanide	U	0.02	mg/L		0.02	SW846-9010-A
Iodide	BU	2	mg/L		2	EPA-345.1 1974

**MW220**

**SG02-03**

**C-746 S&T QUARTERLY - APRIL - SG02-03**

Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.05 mg/L	0.05	SW846-9020B
Turbidity		3.4 NTU	0.5	EPA-180.1 1978

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## MW221

## SG02-03

## C-746 S&amp;T QUARTERLY - APRIL - SG02-03

## MW221SG3-02

Collected: 4/1/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		46.9	mg/L		2	SW846-9056
Fluoride		0.18	mg/L		0.1	9214
Nitrate as Nitrogen		1.9	mg/L		1	SW846-9056
Sulfate		12.2	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.68	Inches/Hg			
Conductivity		426	umho/cm			
Depth to Water		63.17	ft			
Dissolved Oxygen		4.86	mg/L			
pH		6.2	Std Unit			
Redox		185	mV			
Temperature		61.5	deg F			
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium		0.215	mg/L		0.025	SW846-6010A
Beryllium	U	0.005	mg/L		0.005	SW846-6010A
Boron	U	2	mg/L		2	SW846-6010A
Cadmium	NUW	0.005	mg/L		0.005	SW846-7131
Calcium		23.4	mg/L		1	SW846-6010A
Chromium	U	0.025	mg/L		0.025	SW846-6010A
Cobalt	U	0.025	mg/L		0.025	SW846-6010A
Copper	U	0.025	mg/L		0.025	SW846-6010A
Iron	U	0.2	mg/L		0.2	SW846-6010A
Magnesium	B	9.64	mg/L		0.025	SW846-6010A
Manganese		0.029	mg/L		0.025	SW846-6010A
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	U	0.025	mg/L		0.025	SW846-6010A
Nickel		0.316	mg/L		0.05	SW846-6010A
Potassium	U	2	mg/L		2	SW846-6010A
Rhodium	UX	0.2	mg/L		0.2	SW846-6010A
Selenium	U	0.01	mg/L		0.01	SW846-7740
Silver	BU	0.025	mg/L		0.025	SW846-6010A
Sodium		39	mg/L		2	SW846-6010A
Tantalum	UX	0.2	mg/L		0.2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.025	mg/L		0.025	SW846-6010A
Zinc	U	0.1	mg/L		0.1	SW846-6010A
<b>METAL-D</b>						
Barium, Dissolved		0.252	mg/L		0.025	SW846-6010A
Chromium, Dissolved	U	0.025	mg/L		0.025	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		237	mg/L		10	EPA-160.2
<b>RADS</b>						
Alpha activity	U	1.13	pCi/L	0.851	5.49	EPA-900.0
Beta activity	U	4.29	pCi/L	0.834	6.2	EPA-900.0
Iodine-131	U	17.5	pCi/L	35	45.3	RL-7124
Radium-226	U	3.34	pCi/L	6.67	71.5	RL-7124

## MW221

## SG02-03

## C-746 S&amp;T QUARTERLY - APRIL - SG02-03

Strontium-90	U	-1.92	pCi/L	0.533	17.5	RL-7145
Technetium-99	U	9.93	pCi/L	11.6	16.7	RL-7100
Tritium	U	147	pCi/L	169	278	704R5
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JU	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	U	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	JU	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260
Methylene chloride	JU	0.01	mg/L		0.01	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene		0.001	mg/L		0.001	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L		0.005	SW846-8260
Vinyl acetate	JU	0.01	mg/L		0.01	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260
<b>WETCHEM</b>						
Chemical Oxygen Demand (COD)	U	35	mg/L		35	EPA-410.4 1978

**MW221**

**SG02-03**

**C-746 S&T QUARTERLY - APRIL - SG02-03**

Cyanide	U	0.02 mg/L	0.02	SW846-9010-A
Iodide	BU	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.05 mg/L	0.05	SW846-9020B
Turbidity		1.7 NTU	0.5	EPA-180.1 1978

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MW222

SG02-03

C-746 S&T QUARTERLY - APRIL - SG02-03

MW222SG3-02

Collected: 4/2/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		40.1	mg/L		2	SW846-9056
Fluoride		0.33	mg/L		0.1	9214
Nitrate as Nitrogen		1.6	mg/L		1	SW846-9056
Sulfate		12.6	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.38	Inches/Hg			
Conductivity		414	umho/cm			
Depth to Water		67.02	ft			
Dissolved Oxygen		2.55	mg/L			
pH		6.6	Std Unit			
Redox		185	mV			
Temperature		61.8	deg F			
<b>METAL</b>						
Aluminum		2.42	mg/L		0.2	SW846-6010A
Barium		0.279	mg/L		0.025	SW846-6010A
Beryllium	U	0.005	mg/L		0.005	SW846-6010A
Boron	U	2	mg/L		2	SW846-6010A
Cadmium	NUW	0.005	mg/L		0.005	SW846-7131
Calcium		20.8	mg/L		1	SW846-6010A
Chromium		0.043	mg/L		0.025	SW846-6010A
Cobalt	U	0.025	mg/L		0.025	SW846-6010A
Copper	U	0.025	mg/L		0.025	SW846-6010A
Iron		5.79	mg/L		0.2	SW846-6010A
Magnesium	B	8.87	mg/L		0.025	SW846-6010A
Manganese		0.136	mg/L		0.025	SW846-6010A
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	U	0.025	mg/L		0.025	SW846-6010A
Nickel		0.07	mg/L		0.05	SW846-6010A
Potassium	U	2	mg/L		2	SW846-6010A
Rhodium	UX	0.2	mg/L		0.2	SW846-6010A
Selenium	U	0.01	mg/L		0.01	SW846-7740
Silver	BU	0.025	mg/L		0.025	SW846-6010A
Sodium		45.1	mg/L		2	SW846-6010A
Tantalum	UX	0.2	mg/L		0.2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.025	mg/L		0.025	SW846-6010A
Zinc	U	0.1	mg/L		0.1	SW846-6010A
<b>METAL-D</b>						
Barium, Dissolved		0.256	mg/L		0.025	SW846-6010A
Chromium, Dissolved	U	0.025	mg/L		0.025	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		250	mg/L		10	EPA-160.2
<b>RADS</b>						
Alpha activity	U	3.25	pCi/L	1.96	6.07	EPA-900.0
Beta activity	U	4.58	pCi/L	0.886	6.41	EPA-900.0
Iodine-131	U	-56.5	pCi/L	113	109	RL-7124
Radium-226	U	-13.2	pCi/L	26.5	53.7	RL-7124



**MW222****SG02-03****C-746 S&T QUARTERLY - APRIL - SG02-03**

Strontium-90	U	2.33	pCi/L	0.587	17.5	RL-7145
Technetium-99		54.6	pCi/L	13.1	16.7	RL-7100
Tritium	U	-39	pCi/L	166	277	704R5
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JU	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	U	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	JU	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260
Methylene chloride	JU	0.01	mg/L		0.01	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene	U	0.001	mg/L		0.001	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L		0.005	SW846-8260
Vinyl acetate	JU	0.01	mg/L		0.01	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260
<b>WETCHEM</b>						
Chemical Oxygen Demand (COD)	U	35	mg/L		35	EPA-410.4 1978

**MW222**

**SG02-03**

**C-746 S&T QUARTERLY - APRIL - SG02-03**

Cyanide	U	0.02 mg/L	0.02	SW846-9010-A
Iodide	BU	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.05 mg/L	0.05	SW846-9020B
Turbidity		60 NTU	0.5	EPA-180.1 1978

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## MW223

## SG02-03

## C-746 S&amp;T QUARTERLY - APRIL - SG02-03

## MW223SG3-02

Collected: 4/2/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		41.9	mg/L		2	SW846-9056
Fluoride		0.29	mg/L		0.1	9214
Nitrate as Nitrogen		2	mg/L		1	SW846-9056
Sulfate		11	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.29	Inches/Hg			
Conductivity		378.2	umho/cm			
Depth to Water		66.15	ft			
Dissolved Oxygen		1.65	mg/L			
pH		6.74	Std Unit			
Redox		245	mV			
Temperature		61.3	deg F			
<b>METAL</b>						
Aluminum		14.4	mg/L		0.2	SW846-6010A
Barium		0.341	mg/L		0.025	SW846-6010A
Beryllium	U	0.005	mg/L		0.005	SW846-6010A
Boron	U	2	mg/L		2	SW846-6010A
Cadmium	NUW	0.005	mg/L		0.005	SW846-7131
Calcium		22	mg/L		1	SW846-6010A
Chromium		0.298	mg/L		0.025	SW846-6010A
Cobalt		0.025	mg/L		0.025	SW846-6010A
Copper	U	0.025	mg/L		0.025	SW846-6010A
Iron		34.2	mg/L		0.2	SW846-6010A
Magnesium	B	8.94	mg/L		0.025	SW846-6010A
Manganese		1.67	mg/L		0.025	SW846-6010A
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470
Molybdenum		0.028	mg/L		0.025	SW846-6010A
Nickel		0.548	mg/L		0.05	SW846-6010A
Potassium		4.61	mg/L		2	SW846-6010A
Rhodium	UX	0.2	mg/L		0.2	SW846-6010A
Selenium	U	0.01	mg/L		0.01	SW846-7740
Silver	BU	0.025	mg/L		0.025	SW846-6010A
Sodium		40.8	mg/L		2	SW846-6010A
Tantalum	UX	0.2	mg/L		0.2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium		0.042	mg/L		0.025	SW846-6010A
Zinc	U	0.1	mg/L		0.1	SW846-6010A
<b>METAL-D</b>						
Barium, Dissolved		0.171	mg/L		0.025	SW846-6010A
Chromium, Dissolved	U	0.025	mg/L		0.025	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		279	mg/L		10	EPA-160.2
<b>RADS</b>						
Alpha activity	U	1.08	pCi/L	0.814	5.54	EPA-900.0
Beta activity	U	5.31	pCi/L	0.999	6.22	EPA-900.0
Iodine-131	U	8.42	pCi/L	16.8	118	RL-7124
Radium-226	U	-28.1	pCi/L	56.2	55.1	RL-7124

**MW223****SG02-03****C-746 S&T QUARTERLY - APRIL - SG02-03**

Strontium-90	U	6.39	pCi/L	1.5	17.5	RL-7145
Technetium-99		55.5	pCi/L	13.1	16.7	RL-7100
Tritium	U	95.8	pCi/L	169	279	704R5
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JU	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	U	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	JU	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260
Methylene chloride	JU	0.01	mg/L		0.01	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene	U	0.001	mg/L		0.001	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L		0.005	SW846-8260
Vinyl acetate	JU	0.01	mg/L		0.01	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260
<b>WETCHEM</b>						
Chemical Oxygen Demand (COD)	U	35	mg/L		35	EPA-410.4 1978

**MW223**

**SG02-03**

**C-746 S&T QUARTERLY - APRIL - SG02-03**

Cyanide	U	0.02 mg/L	0.02	SW846-9010-A
Iodide	BU	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.05 mg/L	0.05	SW846-9020B
Turbidity		400 NTU	0.5	EPA-180.1 1978

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**MW224**

**SG02-03**

**C-746 S&T QUARTERLY - APRIL - SG02-03**

**MW224SG3-02**

Collected: 4/2/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		47.6	mg/L		2	SW846-9056
Fluoride		0.22	mg/L		0.1	9214
Nitrate as Nitrogen		1.9	mg/L		1	SW846-9056
Sulfate		12.9	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.29	Inches/Hg			
Conductivity		431.7	umho/cm			
Depth to Water		67.55	ft			
Dissolved Oxygen		5.63	mg/L			
pH		6.16	Std Unit			
Redox		180	mV			
Temperature		61.7	deg F			
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium		0.217	mg/L		0.025	SW846-6010A
Beryllium	U	0.005	mg/L		0.005	SW846-6010A
Boron	U	2	mg/L		2	SW846-6010A
Cadmium	NUW	0.005	mg/L		0.005	SW846-7131
Calcium		26.2	mg/L		1	SW846-6010A
Chromium	U	0.025	mg/L		0.025	SW846-6010A
Cobalt	U	0.025	mg/L		0.025	SW846-6010A
Copper	U	0.025	mg/L		0.025	SW846-6010A
Iron	U	0.2	mg/L		0.2	SW846-6010A
Magnesium	B	11	mg/L		0.025	SW846-6010A
Manganese	U	0.025	mg/L		0.025	SW846-6010A
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	U	0.025	mg/L		0.025	SW846-6010A
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Potassium	U	2	mg/L		2	SW846-6010A
Rhodium	UX	0.2	mg/L		0.2	SW846-6010A
Selenium	U	0.01	mg/L		0.01	SW846-7740
Silver	BU	0.025	mg/L		0.025	SW846-6010A
Sodium		38.3	mg/L		2	SW846-6010A
Tantalum	UX	0.2	mg/L		0.2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.025	mg/L		0.025	SW846-6010A
Zinc	U	0.1	mg/L		0.1	SW846-6010A
<b>METAL-D</b>						
Barium, Dissolved		0.258	mg/L		0.025	SW846-6010A
Chromium, Dissolved	U	0.025	mg/L		0.025	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		243	mg/L		10	EPA-160.2
<b>RADS</b>						
Alpha activity	U	0.797	pCi/L	0.651	5.32	EPA-900.0
Beta activity	U	1.56	pCi/L	0.334	6.14	EPA-900.0
Iodine-131	U	10.7	pCi/L	21.5	101	RL-7124
Radium-226	U	-13.3	pCi/L	26.6	58.5	RL-7124

## MW224

## SG02-03

## C-746 S&amp;T QUARTERLY - APRIL - SG02-03

Strontium-90	U	-0.715	pCi/L	0.193	17.5	RL-7145
Technetium-99	U	15	pCi/L	11.7	16.7	RL-7100
Tritium	U	0	pCi/L	168	281	704R5
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JU	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	U	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	JU	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260
Methylene chloride	JU	0.01	mg/L		0.01	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene		0.002	mg/L		0.001	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L		0.005	SW846-8260
Vinyl acetate	JU	0.01	mg/L		0.01	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260
<b>WETCHEM</b>						
Chemical Oxygen Demand (COD)	U	35	mg/L		35	EPA-410.4 1978

**MW224**

**SG02-03**

**C-746 S&T QUARTERLY - APRIL - SG02-03**

Cyanide	U	0.02 mg/L	0.02	SW846-9010-A
Iodide	BU	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.05 mg/L	0.05	SW846-9020B
Turbidity	U	0.5 NTU	0.5	EPA-180.1 1978

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**MW263**

**SG02-03**

**C-746 S&T QUARTERLY - APRIL - SG02-03**

**MW263SG3-02**

Collected: 4/1/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		52	mg/L		2	SW846-9056
Fluoride		0.19	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		40.6	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.47	Inches/Hg			
Conductivity		514.5	umho/cm			
Depth to Water		31.93	ft			
Dissolved Oxygen		1.88	mg/L			
pH		6	Std Unit			
Redox		155	mV			
Temperature		61.6	deg F			
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium		0.062	mg/L		0.025	SW846-6010A
Beryllium	U	0.005	mg/L		0.005	SW846-6010A
Boron	U	2	mg/L		2	SW846-6010A
Cadmium	NUW	0.005	mg/L		0.005	SW846-7131
Calcium		36.3	mg/L		1	SW846-6010A
Chromium		0.113	mg/L		0.025	SW846-6010A
Cobalt	U	0.025	mg/L		0.025	SW846-6010A
Copper	U	0.025	mg/L		0.025	SW846-6010A
Iron		0.717	mg/L		0.2	SW846-6010A
Magnesium	B	14.4	mg/L		0.025	SW846-6010A
Manganese	U	0.025	mg/L		0.025	SW846-6010A
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	U	0.025	mg/L		0.025	SW846-6010A
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Potassium		2.5	mg/L		2	SW846-6010A
Rhodium	UX	0.2	mg/L		0.2	SW846-6010A
Selenium	U	0.01	mg/L		0.01	SW846-7740
Silver	BU	0.025	mg/L		0.025	SW846-6010A
Sodium		40.7	mg/L		2	SW846-6010A
Tantalum	UX	0.2	mg/L		0.2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium		0.028	mg/L		0.025	SW846-6010A
Zinc	U	0.1	mg/L		0.1	SW846-6010A
<b>METAL-D</b>						
Barium, Dissolved		0.07	mg/L		0.025	SW846-6010A
Chromium, Dissolved	U	0.025	mg/L		0.025	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		302	mg/L		10	EPA-160.2
<b>RADS</b>						
Alpha activity	U	2	pCi/L	1.21	6.09	EPA-900.0
Beta activity		25.3	pCi/L	3.22	6.42	EPA-900.0
Iodine-131	U	-13.6	pCi/L	27.3	48.2	RL-7124
Strontium-90	U	6.84	pCi/L	1.59	17.5	RL-7145

## MW263

## SG02-03

## C-746 S&amp;T QUARTERLY - APRIL - SG02-03

Technetium-99		31.4	pCi/L	12.2	16.7	RL-7100
Tritium	U	-17.4	pCi/L	169	283	704R5
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JU	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	U	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	JU	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260
Methylene chloride	JU	0.01	mg/L		0.01	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene		0.023	mg/L		0.001	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L		0.005	SW846-8260
Vinyl acetate	JU	0.01	mg/L		0.01	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260
<b>WETCHEM</b>						
Chemical Oxygen Demand (COD)	U	35	mg/L		35	EPA-410.4 1978
Cyanide	U	0.02	mg/L		0.02	SW846-9010-A

**MW263**

**SG02-03**

**C-746 S&T QUARTERLY - APRIL - SG02-03**

Iodide	BU	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		1.1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.05 mg/L	0.05	SW846-9020B
Turbidity		1.4 NTU	0.5	EPA-180.1 1978

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MW264

SG02-03

C-746 S&T QUARTERLY - APRIL - SG02-03

MW264SG3-02

Collected: 4/1/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		36.9	mg/L		2	SW846-9056
Fluoride		0.16	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		71.5	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.56	Inches/Hg			
Conductivity		496.1	umho/cm			
Depth to Water		37.56	ft			
Dissolved Oxygen		1.24	mg/L			
pH		6.05	Std Unit			
Redox		200	mV			
Temperature		61.2	deg F			
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium		0.1	mg/L		0.025	SW846-6010A
Beryllium	U	0.005	mg/L		0.005	SW846-6010A
Boron	U	2	mg/L		2	SW846-6010A
Cadmium	NUW	0.005	mg/L		0.005	SW846-7131
Calcium		40.7	mg/L		1	SW846-6010A
Chromium	U	0.025	mg/L		0.025	SW846-6010A
Cobalt	U	0.025	mg/L		0.025	SW846-6010A
Copper	U	0.025	mg/L		0.025	SW846-6010A
Iron	U	0.2	mg/L		0.2	SW846-6010A
Magnesium	B	14.5	mg/L		0.025	SW846-6010A
Manganese		0.037	mg/L		0.025	SW846-6010A
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	U	0.025	mg/L		0.025	SW846-6010A
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Potassium	U	2	mg/L		2	SW846-6010A
Rhodium	UX	0.2	mg/L		0.2	SW846-6010A
Selenium	U	0.01	mg/L		0.01	SW846-7740
Silver	BU	0.025	mg/L		0.025	SW846-6010A
Sodium		39.7	mg/L		2	SW846-6010A
Tantalum	UX	0.2	mg/L		0.2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium		0.029	mg/L		0.025	SW846-6010A
Zinc	U	0.1	mg/L		0.1	SW846-6010A
<b>METAL-D</b>						
Barium, Dissolved		0.109	mg/L		0.025	SW846-6010A
Chromium, Dissolved	U	0.025	mg/L		0.025	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		302	mg/L		10	EPA-160.2
<b>RADS</b>						
Alpha activity	U	0.065	pCi/L	0.0582	6.25	EPA-900.0
Beta activity		7.32	pCi/L	1.31	6.47	EPA-900.0
Iodine-131	U	-5.06	pCi/L	10.1	49.8	RL-7124
Radium-226	U	3.54	pCi/L	7.08	68.8	RL-7124

## MW264

## SG02-03

## C-746 S&amp;T QUARTERLY - APRIL - SG02-03

Strontium-90	U	-1.99	pCi/L	0.551	17.5	RL-7145
Technetium-99	U	1.3	pCi/L	11.2	16.7	RL-7100
Tritium	U	64.5	pCi/L	170	282	704R5
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JU	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	U	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	JU	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260
Methylene chloride	JU	0.01	mg/L		0.01	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene		0.005	mg/L		0.001	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L		0.005	SW846-8260
Vinyl acetate	JU	0.01	mg/L		0.01	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260
<b>WETCHEM</b>						
Chemical Oxygen Demand (COD)	U	35	mg/L		35	EPA-410.4 1978

**MW264**

**SG02-03**

**C-746 S&T QUARTERLY - APRIL - SG02-03**

Cyanide	U	0.02	mg/L	0.02	SW846-9010-A
Iodide	BU	2	mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1	mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.05	mg/L	0.05	SW846-9020B
Turbidity		2	NTU	0.5	EPA-180.1 1978

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MW264

SG02-03

C-746 S&T QUARTERLY - APRIL - SG02-03

MW264DSG3-02

Collected: 4/1/2002

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		36.9	mg/L		2	SW846-9056
Fluoride		0.16	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		71.3	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.56	Inches/Hg			
Conductivity		496.1	umho/cm			
Depth to Water		37.56	ft			
Dissolved Oxygen		1.24	mg/L			
pH		6.05	Std Unit			
Redox		200	mV			
Temperature		61.2	deg F			
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium		0.097	mg/L		0.025	SW846-6010A
Beryllium	U	0.005	mg/L		0.005	SW846-6010A
Boron	U	2	mg/L		2	SW846-6010A
Cadmium	NUW	0.005	mg/L		0.005	SW846-7131
Calcium		39.6	mg/L		1	SW846-6010A
Chromium	U	0.025	mg/L		0.025	SW846-6010A
Cobalt	U	0.025	mg/L		0.025	SW846-6010A
Copper	U	0.025	mg/L		0.025	SW846-6010A
Iron	U	0.2	mg/L		0.2	SW846-6010A
Magnesium	B	14.4	mg/L		0.025	SW846-6010A
Manganese		0.032	mg/L		0.025	SW846-6010A
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	U	0.025	mg/L		0.025	SW846-6010A
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Potassium	U	2	mg/L		2	SW846-6010A
Rhodium	UX	0.2	mg/L		0.2	SW846-6010A
Selenium	U	0.01	mg/L		0.01	SW846-7740
Silver	BU	0.025	mg/L		0.025	SW846-6010A
Sodium		39.5	mg/L		2	SW846-6010A
Tantalum	UX	0.2	mg/L		0.2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium		0.029	mg/L		0.025	SW846-6010A
Zinc	U	0.1	mg/L		0.1	SW846-6010A
<b>METAL-D</b>						
Barium, Dissolved		0.104	mg/L		0.025	SW846-6010A
Chromium, Dissolved	U	0.025	mg/L		0.025	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		293	mg/L		10	EPA-160.2
<b>RADS</b>						
Alpha activity	U	6.07	pCi/L	3.03	6.3	EPA-900.0
Beta activity	U	3.45	pCi/L	0.693	6.49	EPA-900.0
Iodine-131	U	-11.4	pCi/L	22.8	47.5	RL-7124
Radium-226	U	-7.89	pCi/L	15.8	74.1	RL-7124

## MW264

## SG02-03

## C-746 S&amp;T QUARTERLY - APRIL - SG02-03

Strontium-90	U	-1.26	pCi/L	0.344	17.5	RL-7145
Technetium-99	U	5.86	pCi/L	11.4	16.7	RL-7100
Tritium	U	116	pCi/L	170	280	704R5
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JU	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	U	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	JU	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260
Methylene chloride	JU	0.01	mg/L		0.01	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene		0.005	mg/L		0.001	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L		0.005	SW846-8260
Vinyl acetate	JU	0.01	mg/L		0.01	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260
<b>WETCHEM</b>						
Chemical Oxygen Demand (COD)	U	35	mg/L		35	EPA-410.4 1978



**MW264**

**SG02-03**

**C-746 S&T QUARTERLY - APRIL - SG02-03**

Cyanide	U	0.02 mg/L	0.02	SW846-9010-A
Iodide	BU	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.05 mg/L	0.05	SW846-9020B
Turbidity		1.4 NTU	0.5	EPA-180.1 1978

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MW266

SG02-03

C-746 S&T QUARTERLY - APRIL - SG02-03

MW266SG3-02

Collected: 4/1/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		47.5	mg/L		2	SW846-9056
Fluoride		0.16	mg/L		0.1	9214
Nitrate as Nitrogen		1.3	mg/L		1	SW846-9056
Sulfate		65.3	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.47	Inches/Hg			
Conductivity		500.8	umho/cm			
Depth to Water		37.15	ft			
Dissolved Oxygen		0.8	mg/L			
pH		5.93	Std Unit			
Redox		155	mV			
Temperature		61.1	deg F			
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium		0.043	mg/L		0.025	SW846-6010A
Beryllium	U	0.005	mg/L		0.005	SW846-6010A
Boron	U	2	mg/L		2	SW846-6010A
Cadmium	NUW	0.005	mg/L		0.005	SW846-7131
Calcium		35.2	mg/L		1	SW846-6010A
Chromium		0.101	mg/L		0.025	SW846-6010A
Cobalt	U	0.025	mg/L		0.025	SW846-6010A
Copper	U	0.025	mg/L		0.025	SW846-6010A
Iron		1.17	mg/L		0.2	SW846-6010A
Magnesium	B	14.3	mg/L		0.025	SW846-6010A
Manganese		0.08	mg/L		0.025	SW846-6010A
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470
Molybdenum		0.028	mg/L		0.025	SW846-6010A
Nickel		0.177	mg/L		0.05	SW846-6010A
Potassium		3.82	mg/L		2	SW846-6010A
Rhodium	UX	0.2	mg/L		0.2	SW846-6010A
Selenium	U	0.01	mg/L		0.01	SW846-7740
Silver	BU	0.025	mg/L		0.025	SW846-6010A
Sodium		30.8	mg/L		2	SW846-6010A
Tantalum	UX	0.2	mg/L		0.2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium		0.029	mg/L		0.025	SW846-6010A
Zinc	U	0.1	mg/L		0.1	SW846-6010A
<b>METAL-D</b>						
Barium, Dissolved		0.048	mg/L		0.025	SW846-6010A
Chromium, Dissolved	U	0.025	mg/L		0.025	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		312	mg/L		10	EPA-160.2
<b>RADS</b>						
Alpha activity	U	0.556	pCi/L	0.454	5.94	EPA-900.0
Beta activity		7.19	pCi/L	1.29	6.36	EPA-900.0
Iodine-131	U	8.77	pCi/L	17.6	58.4	RL-7124
Radium-226	U	-11.8	pCi/L	23.6	74.3	RL-7124

## MW266

## SG02-03

## C-746 S&amp;T QUARTERLY - APRIL - SG02-03

Strontium-90	U	-0.484	pCi/L	0.129	17.5	RL-7145
Technetium-99	U	5.91	pCi/L	11.4	16.7	RL-7100
Tritium	U	42.3	pCi/L	170	282	704R5
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JU	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	U	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	JU	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260
Methylene chloride	JU	0.01	mg/L		0.01	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene		0.009	mg/L		0.001	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L		0.005	SW846-8260
Vinyl acetate	JU	0.01	mg/L		0.01	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260
<b>WETCHEM</b>						
Chemical Oxygen Demand (COD)	U	35	mg/L		35	EPA-410.4 1978

**MW266**

**SG02-03**

**C-746 S&T QUARTERLY - APRIL - SG02-03**

Cyanide	U	0.02 mg/L	0.02	SW846-9010-A
Iodide	BU	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.05 mg/L	0.05	SW846-9020B
Turbidity		8.5 NTU	0.5	EPA-180.1 1978

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MW267

SG02-03

C-746 S&T QUARTERLY - APRIL - SG02-03

MW267SG3-02

Collected: 4/1/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		49.5	mg/L		2	SW846-9056
Fluoride		0.16	mg/L		0.1	9214
Nitrate as Nitrogen		1.9	mg/L		1	SW846-9056
Sulfate		10.5	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.68	Inches/Hg			
Conductivity		398	umho/cm			
Depth to Water		52.92	ft			
Dissolved Oxygen		3.74	mg/L			
pH		6.2	Std Unit			
Redox		220	mV			
Temperature		60.2	deg F			
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium		0.228	mg/L		0.025	SW846-6010A
Beryllium	U	0.005	mg/L		0.005	SW846-6010A
Boron	U	2	mg/L		2	SW846-6010A
Cadmium	NUW	0.005	mg/L		0.005	SW846-7131
Calcium		24.6	mg/L		1	SW846-6010A
Chromium		0.074	mg/L		0.025	SW846-6010A
Cobalt	U	0.025	mg/L		0.025	SW846-6010A
Copper	U	0.025	mg/L		0.025	SW846-6010A
Iron		0.427	mg/L		0.2	SW846-6010A
Magnesium		9.2	mg/L		0.025	SW846-6010A
Manganese	U	0.025	mg/L		0.025	SW846-6010A
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	U	0.025	mg/L		0.025	SW846-6010A
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Potassium		3.16	mg/L		2	SW846-6010A
Rhodium	UX	0.2	mg/L		0.2	SW846-6010A
Selenium	U	0.01	mg/L		0.01	SW846-7740
Silver	BU	0.025	mg/L		0.025	SW846-6010A
Sodium		38.1	mg/L		2	SW846-6010A
Tantalum	UX	0.2	mg/L		0.2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.025	mg/L		0.025	SW846-6010A
Zinc	U	0.1	mg/L		0.1	SW846-6010A
<b>METAL-D</b>						
Barium, Dissolved		0.239	mg/L		0.025	SW846-6010A
Chromium, Dissolved	U	0.025	mg/L		0.025	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		209	mg/L		10	EPA-160.2
<b>RADS</b>						
Alpha activity	U	1.81	pCi/L	1.21	5.63	EPA-900.0
Beta activity		9.09	pCi/L	1.54	6.25	EPA-900.0
Iodine-131	U	0.643	pCi/L	1.29	47.9	RL-7124
Strontium-90	U	9.6	pCi/L	2.15	17.5	RL-7145

## MW267

## SG02-03

## C-746 S&amp;T QUARTERLY - APRIL - SG02-03

Technetium-99	U	9.6	pCi/L	11.5	16.7	RL-7100
Tritium	U	104	pCi/L	170	281	704R5
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	UX	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	UX	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	UX	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	UX	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	UX	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	UX	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JUX	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	UX	0.005	mg/L		0.005	SW846-8260
1,2-Dichlorobenzene	UX	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	UX	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	UX	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	UX	0.005	mg/L		0.005	SW846-8260
2-Butanone	UX	0.01	mg/L		0.01	SW846-8260
2-Chloroethyl vinyl ether	JUX	0.01	mg/L		0.01	SW846-8260
2-Hexanone	UX	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	UX	0.01	mg/L		0.01	SW846-8260
Acrolein	JUX	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	UX	0.01	mg/L		0.01	SW846-8260
Benzene	UX	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	UX	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	UX	0.005	mg/L		0.005	SW846-8260
Bromoform	UX	0.005	mg/L		0.005	SW846-8260
Bromomethane	UX	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	UX	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	UX	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	UX	0.005	mg/L		0.005	SW846-8260
Chloroethane	UX	0.005	mg/L		0.005	SW846-8260
Chloromethane	UX	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	UX	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	UX	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	UX	0.005	mg/L		0.005	SW846-8260
Dibromomethane	UX	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	JUX	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	UX	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	UX	0.005	mg/L		0.005	SW846-8260
Iodomethane	UX	0.005	mg/L		0.005	SW846-8260
Methylene chloride	JUX	0.01	mg/L		0.01	SW846-8260
Styrene	UX	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	UX	0.005	mg/L		0.005	SW846-8260
Toluene	UX	0.005	mg/L		0.005	SW846-8260
Total Xylene	UX	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	UX	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	UX	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	UX	0.005	mg/L		0.005	SW846-8260
Trichloroethene	UX	0.001	mg/L		0.001	SW846-8260
Trichlorofluoromethane	UX	0.005	mg/L		0.005	SW846-8260
Vinyl acetate	JUX	0.01	mg/L		0.01	SW846-8260
Vinyl chloride	UX	0.002	mg/L		0.002	SW846-8260
<b>WETCHEM</b>						
Chemical Oxygen Demand (COD)	U	35	mg/L		35	EPA-410.4 1978
Cyanide	U	0.02	mg/L		0.02	SW846-9010-A

**MW267**

**SG02-03**

**C-746 S&T QUARTERLY - APRIL - SG02-03**

Iodide	BU	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.05 mg/L	0.05	SW846-9020B
Turbidity		1.6 NTU	0.5	EPA-180.1 1978

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MW179

SG02-04

C-746 S&T QUARTERLY - JULY - SG02-04

MW179SG4-02

Collected: 7/9/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		40.9	mg/L		2	SW846-9056
Fluoride		0.18	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		140.7	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.59	Inches/Hg			
Conductivity		702	umho/cm			
Depth to Water		29.23	ft			
Dissolved Oxygen		2.63	mg/L			
pH		6.19	Std Unit			
Redox		220	mV			
Temperature		64.5	deg F			
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium		0.03	mg/L		0.025	SW846-6010A
Beryllium	U	0.005	mg/L		0.005	SW846-6010A
Boron	U	2	mg/L		2	SW846-6010A
Cadmium	UW	0.005	mg/L		0.005	SW846-7131
Calcium		66.2	mg/L		2	SW846-6010A
Chromium	U	0.025	mg/L		0.025	SW846-6010A
Cobalt	U	0.025	mg/L		0.025	SW846-6010A
Copper	BU	0.05	mg/L		0.05	SW846-6010A
Iron	U	0.2	mg/L		0.2	SW846-6010A
Magnesium		17.6	mg/L		0.025	SW846-6010A
Manganese	U	0.025	mg/L		0.025	SW846-6010A
Mercury	UW	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	U	0.025	mg/L		0.025	SW846-6010A
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Potassium	U	2	mg/L		2	SW846-6010A
Rhodium	U	0.2	mg/L		0.2	SW846-6010A
Selenium	U	0.01	mg/L		0.01	SW846-7740
Silver	BJU	0.025	mg/L		0.025	SW846-6010A
Sodium		56.7	mg/L		2	SW846-6010A
Tantalum	U	0.2	mg/L		0.2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.025	mg/L		0.025	SW846-6010A
Zinc	U	0.1	mg/L		0.1	SW846-6010A
<b>METAL-D</b>						
Barium, Dissolved		0.03	mg/L		0.025	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		470	mg/L		100	EPA-160.2
<b>PCCB</b>						
PCB-1016	U	0.00017	mg/L		0.0002	SW846-8082
PCB-1221	U	0.00017	mg/L		0.0002	SW846-8082
PCB-1232	U	0.00017	mg/L		0.0002	SW846-8082
PCB-1242	U	0.00011	mg/L		0.0001	SW846-8082
PCB-1248	U	0.00017	mg/L		0.0002	SW846-8082



## MW179

## SG02-04

## C-746 S&amp;T QUARTERLY - JULY - SG02-04

PCB-1254	U	0.00013	mg/L	0.0001	SW846-8082
PCB-1260	U	0.00009	mg/L	9E-05	SW846-8082
PCB-1268	U	0.00009	mg/L	9E-05	SW846-8082
Polychlorinated biphenyl	U	0.00017	mg/L	0.0002	SW846-8082
<b>RADS</b>					
Alpha activity	U	4.08	pCi/L	1.36	10.5 EPA-900.0
Beta activity		129	pCi/L	8.77	5.89 EPA-900.0
Iodine-131	U	-17.8	pCi/L	35.5	24.6 RL-7124
Strontium-90	U	-6.91	pCi/L	1.66	23.3 RL-7145
Technetium-99		141	pCi/L	14.4	15.2 RL-7100
Tritium	U	0	pCi/L	160	267 704R5
<b>VOA</b>					
1,1,1,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
2-Butanone	U	0.01	mg/L	0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L	0.01	SW846-8260
2-Hexanone	U	0.01	mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L	0.01	SW846-8260
Acetone	JU	0.01	mg/L	0.01	SW846-8260
Acrylonitrile	JU	0.01	mg/L	0.01	SW846-8260
Benzene	U	0.005	mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromoform	U	0.005	mg/L	0.005	SW846-8260
Bromomethane	U	0.005	mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L	0.005	SW846-8260
Chloroethane	U	0.005	mg/L	0.005	SW846-8260
Chloromethane	U	0.005	mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Dibromomethane	U	0.005	mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	0.005	SW846-8260
Ethanol	U	0.25	mg/L	0.25	SW846-8015
Ethyl methacrylate	JU	0.005	mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L	0.005	SW846-8260
Iodomethane	JU	0.005	mg/L	0.005	SW846-8260
Methylene chloride	JU	0.01	mg/L	0.01	SW846-8260
Styrene	U	0.005	mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L	0.005	SW846-8260
Toluene	U	0.005	mg/L	0.005	SW846-8260
Total Xylene	U	0.015	mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260

**MW179****SG02-04****C-746 S&T QUARTERLY - JULY - SG02-04**

trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene		0.008 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	UX	35 mg/L	35	EPA-410.4 1978
Cyanide	UX	0.02 mg/L	0.02	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.05 mg/L	0.05	SW846-9020B
Turbidity		0.7 NTU	0.5	EPA-180.1 1978

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## MW220

## SG02-04

## C-746 S&amp;T QUARTERLY - JULY - SG02-04

## MW220SG4-02

Collected: 7/9/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		37.3	mg/L		2	SW846-9056
Fluoride		0.2	mg/L		0.1	9214
Nitrate as Nitrogen		1.3	mg/L		1	SW846-9056
Sulfate		12.5	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.71	Inches/Hg			
Conductivity		420	umho/cm			
Depth to Water		51.19	ft			
Dissolved Oxygen		5.65	mg/L			
pH		6.3	Std Unit			
Redox		160	mV			
Temperature		65.3	deg F			
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium		0.221	mg/L		0.025	SW846-6010A
Beryllium	U	0.005	mg/L		0.005	SW846-6010A
Boron	U	2	mg/L		2	SW846-6010A
Cadmium	UW	0.005	mg/L		0.005	SW846-7131
Calcium		25.8	mg/L		2	SW846-6010A
Chromium		0.037	mg/L		0.025	SW846-6010A
Cobalt	U	0.025	mg/L		0.025	SW846-6010A
Copper	BU	0.05	mg/L		0.05	SW846-6010A
Iron		0.21	mg/L		0.2	SW846-6010A
Magnesium		10	mg/L		0.025	SW846-6010A
Manganese		0.035	mg/L		0.025	SW846-6010A
Mercury	UW	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	U	0.025	mg/L		0.025	SW846-6010A
Nickel		0.68	mg/L		0.05	SW846-6010A
Potassium		11.8	mg/L		2	SW846-6010A
Rhodium	U	0.2	mg/L		0.2	SW846-6010A
Selenium	U	0.01	mg/L		0.01	SW846-7740
Silver	BJU	0.025	mg/L		0.025	SW846-6010A
Sodium		39.2	mg/L		2	SW846-6010A
Tantalum	U	0.2	mg/L		0.2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.025	mg/L		0.025	SW846-6010A
Zinc	U	0.1	mg/L		0.1	SW846-6010A
<b>METAL-D</b>						
Barium, Dissolved		0.226	mg/L		0.025	SW846-6010A
Chromium, Dissolved	U	0.025	mg/L		0.025	SW846-6010A
<b>PHYSIC</b>						
Dissolved Solids		252	mg/L		100	EPA-160.2
<b>PCB</b>						
PCB-1016	U	0.00017	mg/L		0.0002	SW846-8082
PCB-1221	U	0.00017	mg/L		0.0002	SW846-8082
PCB-1232	U	0.00017	mg/L		0.0002	SW846-8082
PCB-1242	U	0.00011	mg/L		0.0001	SW846-8082

## MW220

## SG02-04

## C-746 S&amp;T QUARTERLY - JULY - SG02-04

PCB-1248	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1254	U	0.00013	mg/L	0.0001	SW846-8082
PCB-1260	U	0.00009	mg/L	9E-05	SW846-8082
PCB-1268	U	0.00009	mg/L	9E-05	SW846-8082
Polychlorinated biphenyl	U	0.00017	mg/L	0.0002	SW846-8082
<b>RADS</b>					
Alpha activity	U	0.917	pCi/L	0.508	7.99 EPA-900.0
Beta activity		21.4	pCi/L	3.01	5.31 EPA-900.0
Iodine-131	U	-4.15	pCi/L	8.31	23.9 RL-7124
Strontium-90	U	4.9	pCi/L	1	23.3 RL-7145
Technetium-99	U	-3.58	pCi/L	0	15.2 RL-7100
Tritium	U	-51.3	pCi/L	159	267 704R5
<b>VOA</b>					
1,1,1,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
2-Butanone	U	0.01	mg/L	0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L	0.01	SW846-8260
2-Hexanone	U	0.01	mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L	0.01	SW846-8260
Acetone	JU	0.01	mg/L	0.01	SW846-8260
Acrylonitrile	JU	0.01	mg/L	0.01	SW846-8260
Benzene	U	0.005	mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromoform	U	0.005	mg/L	0.005	SW846-8260
Bromomethane	U	0.005	mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L	0.005	SW846-8260
Chloroethane	U	0.005	mg/L	0.005	SW846-8260
Chloromethane	U	0.005	mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Dibromomethane	U	0.005	mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	0.005	SW846-8260
Ethanol	U	0.25	mg/L	0.25	SW846-8015
Ethyl methacrylate	JU	0.005	mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L	0.005	SW846-8260
Iodomethane	JU	0.005	mg/L	0.005	SW846-8260
Methylene chloride	JU	0.01	mg/L	0.01	SW846-8260
Styrene	U	0.005	mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L	0.005	SW846-8260
Toluene	U	0.005	mg/L	0.005	SW846-8260
Total Xylene	U	0.015	mg/L	0.015	SW846-8260

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trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	UX	35 mg/L	35	EPA-410.4 1978
Cyanide	UX	0.02 mg/L	0.02	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.05 mg/L	0.05	SW846-9020B
Turbidity		2.5 NTU	0.5	EPA-180.1 1978

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12/18/2007

MW221

SG02-04

C-746 S&T QUARTERLY - JULY - SG02-04

MW221SG4-02

Collected: 7/9/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		45	mg/L		2	SW846-9056
Fluoride		0.17	mg/L		0.1	9214
Nitrate as Nitrogen		1.8	mg/L		1	SW846-9056
Sulfate		11.4	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.59	Inches/Hg			
Conductivity		420	umho/cm			
Depth to Water		60.95	ft			
Dissolved Oxygen		4.44	mg/L			
pH		6.12	Std Unit			
Redox		185	mV			
Temperature		65.3	deg F			
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium		0.232	mg/L		0.025	SW846-6010A
Beryllium	U	0.005	mg/L		0.005	SW846-6010A
Boron	U	2	mg/L		2	SW846-6010A
Cadmium	UW	0.005	mg/L		0.005	SW846-7131
Calcium		24	mg/L		2	SW846-6010A
Chromium		0.037	mg/L		0.025	SW846-6010A
Cobalt	U	0.025	mg/L		0.025	SW846-6010A
Copper	BU	0.05	mg/L		0.05	SW846-6010A
Iron		0.442	mg/L		0.2	SW846-6010A
Magnesium		10.1	mg/L		0.025	SW846-6010A
Manganese	U	0.025	mg/L		0.025	SW846-6010A
Mercury	UW	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	U	0.025	mg/L		0.025	SW846-6010A
Nickel		0.379	mg/L		0.05	SW846-6010A
Potassium		9.52	mg/L		2	SW846-6010A
Rhodium	U	0.2	mg/L		0.2	SW846-6010A
Selenium	U	0.01	mg/L		0.01	SW846-7740
Silver	BJU	0.025	mg/L		0.025	SW846-6010A
Sodium		45.9	mg/L		2	SW846-6010A
Tantalum	U	0.2	mg/L		0.2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.025	mg/L		0.025	SW846-6010A
Zinc	U	0.1	mg/L		0.1	SW846-6010A
<b>METAL-D</b>						
Barium, Dissolved		0.234	mg/L		0.025	SW846-6010A
Chromium, Dissolved	U	0.025	mg/L		0.025	SW846-6010A
<b>PHYSIC</b>						
Dissolved Solids		256	mg/L		100	EPA-160.2
<b>PCPB</b>						
PCB-1016	U	0.00017	mg/L		0.0002	SW846-8082
PCB-1221	U	0.00017	mg/L		0.0002	SW846-8082
PCB-1232	U	0.00017	mg/L		0.0002	SW846-8082
PCB-1242	U	0.00011	mg/L		0.0001	SW846-8082

## MW221

## SG02-04

## C-746 S&amp;T QUARTERLY - JULY - SG02-04

PCB-1248	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1254	U	0.00013	mg/L	0.0001	SW846-8082
PCB-1260	U	0.00009	mg/L	9E-05	SW846-8082
PCB-1268	U	0.00009	mg/L	9E-05	SW846-8082
Polychlorinated biphenyl	U	0.00017	mg/L	0.0002	SW846-8082
<b>RADS</b>					
Alpha activity	U	-0.848	pCi/L	0.6	7.78 EPA-900.0
Beta activity		13.1	pCi/L	2.17	5.27 EPA-900.0
Iodine-131	U	-15.7	pCi/L	31.5	23.5 RL-7124
Strontium-90	U	9.57	pCi/L	1.85	23.3 RL-7145
Technetium-99	U	-1.26	pCi/L	0	15.2 RL-7100
Tritium	U	15.6	pCi/L	160	267 704R5
<b>VOA</b>					
1,1,1,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
2-Butanone	U	0.01	mg/L	0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L	0.01	SW846-8260
2-Hexanone	U	0.01	mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L	0.01	SW846-8260
Acetone	JU	0.01	mg/L	0.01	SW846-8260
Acrylonitrile	JU	0.01	mg/L	0.01	SW846-8260
Benzene	U	0.005	mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromoform	U	0.005	mg/L	0.005	SW846-8260
Bromomethane	U	0.005	mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L	0.005	SW846-8260
Chloroethane	U	0.005	mg/L	0.005	SW846-8260
Chloromethane	U	0.005	mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Dibromomethane	U	0.005	mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	0.005	SW846-8260
Ethanol	U	0.25	mg/L	0.25	SW846-8015
Ethyl methacrylate	JU	0.005	mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L	0.005	SW846-8260
Iodomethane	JU	0.005	mg/L	0.005	SW846-8260
Methylene chloride	JU	0.01	mg/L	0.01	SW846-8260
Styrene	U	0.005	mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L	0.005	SW846-8260
Toluene	U	0.005	mg/L	0.005	SW846-8260
Total Xylene	U	0.015	mg/L	0.015	SW846-8260

**MW221****SG02-04****C-746 S&T QUARTERLY - JULY - SG02-04**

trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	X	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	UX	35 mg/L	35	EPA-410.4 1978
Cyanide	UX	0.02 mg/L	0.02	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.05 mg/L	0.05	SW846-9020B
Turbidity		2.5 NTU	0.5	EPA-180.1 1978

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MW222

SG02-04

C-746 S&T QUARTERLY - JULY - SG02-04

MW222SG4-02

Collected: 7/9/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		40.1	mg/L		2	SW846-9056
Fluoride		0.26	mg/L		0.1	9214
Nitrate as Nitrogen		1.5	mg/L		1	SW846-9056
Sulfate		12.2	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.71	Inches/Hg			
Conductivity		415	umho/cm			
Depth to Water		64.87	ft			
Dissolved Oxygen		1.61	mg/L			
pH		6.6	Std Unit			
Redox		95	mV			
Temperature		69.7	deg F			
<b>METAL</b>						
Aluminum		1.53	mg/L		0.2	SW846-6010A
Barium		0.321	mg/L		0.025	SW846-6010A
Beryllium	U	0.005	mg/L		0.005	SW846-6010A
Boron	U	2	mg/L		2	SW846-6010A
Cadmium	UW	0.005	mg/L		0.005	SW846-7131
Calcium		21.6	mg/L		2	SW846-6010A
Chromium		0.034	mg/L		0.025	SW846-6010A
Cobalt	U	0.025	mg/L		0.025	SW846-6010A
Copper	BU	0.05	mg/L		0.05	SW846-6010A
Iron		4.35	mg/L		0.2	SW846-6010A
Magnesium		9.14	mg/L		0.025	SW846-6010A
Manganese		0.264	mg/L		0.025	SW846-6010A
Mercury	UW	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	U	0.025	mg/L		0.025	SW846-6010A
Nickel		0.096	mg/L		0.05	SW846-6010A
Potassium		7.97	mg/L		2	SW846-6010A
Rhodium	U	0.2	mg/L		0.2	SW846-6010A
Selenium	U	0.01	mg/L		0.01	SW846-7740
Silver	BJU	0.025	mg/L		0.025	SW846-6010A
Sodium		49.4	mg/L		2	SW846-6010A
Tantalum	U	0.2	mg/L		0.2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.025	mg/L		0.025	SW846-6010A
Zinc	U	0.1	mg/L		0.1	SW846-6010A
<b>METAL-D</b>						
Barium, Dissolved		0.303	mg/L		0.025	SW846-6010A
Chromium, Dissolved	U	0.025	mg/L		0.025	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids	*	248	mg/L		100	EPA-160.2
<b>PCCB</b>						
PCB-1016	U	0.00017	mg/L		0.0002	SW846-8082
PCB-1221	U	0.00017	mg/L		0.0002	SW846-8082
PCB-1232	U	0.00017	mg/L		0.0002	SW846-8082
PCB-1242	U	0.00011	mg/L		0.0001	SW846-8082

## MW222

## SG02-04

PCB-1248	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1254	U	0.00013	mg/L	0.0001	SW846-8082
PCB-1260	U	0.00009	mg/L	9E-05	SW846-8082
PCB-1268	U	0.00009	mg/L	9E-05	SW846-8082
Polychlorinated biphenyl	U	0.00017	mg/L	0.0002	SW846-8082

## RADS

Alpha activity	U	1.26	pCi/L	0.699	7.85	EPA-900.0
Beta activity		17.9	pCi/L	2.67	5.28	EPA-900.0
Iodine-131	U	-16.3	pCi/L	32.5	25	RL-7124
Radium-226	U	9.26	pCi/L	18.5	64	RL-7124
Strontium-90	U	2.14	pCi/L	0.452	23.3	RL-7145
Technetium-99	U	-4.02	pCi/L	0	15.2	RL-7100
Tritium	U	150	pCi/L	163	267	704R5

## VOA

1,1,1,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
2-Butanone	U	0.01	mg/L	0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L	0.01	SW846-8260
2-Hexanone	U	0.01	mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L	0.01	SW846-8260
Acetone	JU	0.01	mg/L	0.01	SW846-8260
Acrylonitrile	JU	0.01	mg/L	0.01	SW846-8260
Benzene	U	0.005	mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromoform	U	0.005	mg/L	0.005	SW846-8260
Bromomethane	U	0.005	mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L	0.005	SW846-8260
Chloroethane	U	0.005	mg/L	0.005	SW846-8260
Chloromethane	U	0.005	mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Dibromomethane	U	0.005	mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	0.005	SW846-8260
Ethanol	U	0.25	mg/L	0.25	SW846-8015
Ethyl methacrylate	JU	0.005	mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L	0.005	SW846-8260
Iodomethane	JU	0.005	mg/L	0.005	SW846-8260
Methylene chloride	JU	0.01	mg/L	0.01	SW846-8260
Styrene	U	0.005	mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L	0.005	SW846-8260
Toluene	U	0.005	mg/L	0.005	SW846-8260

**MW222****SG02-04****C-746 S&T QUARTERLY - JULY - SG02-04**

Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	35 mg/L	35	EPA-410.4 1978
Cyanide	UX	0.02 mg/L	0.02	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.05 mg/L	0.05	SW846-9020B
Turbidity		40 NTU	0.5	EPA-180.1 1978

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MW223

SG02-04

C-746 S&amp;T QUARTERLY - JULY - SG02-04

MW223SG4-02

Collected: 7/10/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		41.1	mg/L		2	SW846-9056
Fluoride		0.27	mg/L		0.1	9214
Nitrate as Nitrogen		2	mg/L		1	SW846-9056
Sulfate		10.2	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.59	Inches/Hg			
Conductivity		362	umho/cm			
Depth to Water		63.95	ft			
Dissolved Oxygen		1.79	mg/L			
pH		6.6	Std Unit			
Redox		165	mV			
Temperature		65.2	deg F			
<b>METAL</b>						
Aluminum		3.4	mg/L		0.2	SW846-6010A
Barium		0.207	mg/L		0.025	SW846-6010A
Beryllium	U	0.005	mg/L		0.005	SW846-6010A
Boron	U	2	mg/L		2	SW846-6010A
Cadmium	UW	0.005	mg/L		0.005	SW846-7131
Calcium		21.6	mg/L		2	SW846-6010A
Chromium		0.114	mg/L		0.025	SW846-6010A
Cobalt	U	0.025	mg/L		0.025	SW846-6010A
Copper	BU	0.05	mg/L		0.05	SW846-6010A
Iron		8.3	mg/L		0.2	SW846-6010A
Magnesium		8.72	mg/L		0.025	SW846-6010A
Manganese		0.338	mg/L		0.025	SW846-6010A
Mercury	UW	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	U	0.025	mg/L		0.025	SW846-6010A
Nickel		0.397	mg/L		0.05	SW846-6010A
Potassium		4.51	mg/L		2	SW846-6010A
Rhodium	U	0.2	mg/L		0.2	SW846-6010A
Selenium	U	0.01	mg/L		0.01	SW846-7740
Silver	BJU	0.025	mg/L		0.025	SW846-6010A
Sodium		42.6	mg/L		2	SW846-6010A
Tantalum	U	0.2	mg/L		0.2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.025	mg/L		0.025	SW846-6010A
Zinc	U	0.1	mg/L		0.1	SW846-6010A
<b>METAL-D</b>						
Barium, Dissolved		0.153	mg/L		0.025	SW846-6010A
Chromium, Dissolved	U	0.025	mg/L		0.025	SW846-6010A
<b>PHYSIC</b>						
Dissolved Solids		251	mg/L		100	EPA-160.2
<b>PCB</b>						
PCB-1016	U	0.00017	mg/L		0.0002	SW846-8082
PCB-1221	U	0.00017	mg/L		0.0002	SW846-8082
PCB-1232	U	0.00017	mg/L		0.0002	SW846-8082
PCB-1242	U	0.00011	mg/L		0.0001	SW846-8082

## MW223

## SG02-04

PCB-1248	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1254	U	0.00013	mg/L	0.0001	SW846-8082
PCB-1260	U	0.00009	mg/L	9E-05	SW846-8082
PCB-1268	U	0.00009	mg/L	9E-05	SW846-8082
Polychlorinated biphenyl	U	0.00017	mg/L	0.0002	SW846-8082

## RADS

Alpha activity	U	-0.356	pCi/L	0.252	7.42	EPA-900.0
Beta activity		8.43	pCi/L	1.58	5.19	EPA-900.0
Iodine-131	U	-7.12	pCi/L	14.2	23.8	RL-7124
Radium-226	U	7.25	pCi/L	14.5	66.3	RL-7124
Strontium-90	U	-4.26	pCi/L	0.983	23.3	RL-7145
Technetium-99	U	0.387	pCi/L	9.72	15.2	RL-7100
Tritium	U	22.3	pCi/L	160	267	704R5

## VOA

1,1,1,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
2-Butanone	U	0.01	mg/L	0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L	0.01	SW846-8260
2-Hexanone	U	0.01	mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L	0.01	SW846-8260
Acetone	JU	0.01	mg/L	0.01	SW846-8260
Acrylonitrile	JU	0.01	mg/L	0.01	SW846-8260
Benzene	U	0.005	mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromoform	U	0.005	mg/L	0.005	SW846-8260
Bromomethane	U	0.005	mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L	0.005	SW846-8260
Chloroethane	U	0.005	mg/L	0.005	SW846-8260
Chloromethane	U	0.005	mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Dibromomethane	U	0.005	mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	0.005	SW846-8260
Ethanol	U	0.25	mg/L	0.25	SW846-8015
Ethyl methacrylate	JU	0.005	mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L	0.005	SW846-8260
Iodomethane	JU	0.005	mg/L	0.005	SW846-8260
Methylene chloride	JU	0.01	mg/L	0.01	SW846-8260
Styrene	U	0.005	mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L	0.005	SW846-8260
Toluene	U	0.005	mg/L	0.005	SW846-8260

**MW223****SG02-04****C-746 S&T QUARTERLY - JULY - SG02-04**

Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	35 mg/L	35	EPA-410.4 1978
Cyanide	UX	0.02 mg/L	0.02	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.05 mg/L	0.05	SW846-9020B
Turbidity		70 NTU	0.5	EPA-180.1 1978

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MW224

SG02-04

C-746 S&T QUARTERLY - JULY - SG02-04

MW224SG4-02

Collected: 7/8/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		48.6	mg/L		2	SW846-9056
Fluoride		0.21	mg/L		0.1	9214
Nitrate as Nitrogen		1.9	mg/L		1	SW846-9056
Sulfate		13.1	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.77	Inches/Hg			
Conductivity		392	umho/cm			
Depth to Water		65.39	ft			
Dissolved Oxygen		4.2	mg/L			
pH		6	Std Unit			
Redox		185	mV			
Temperature		66.5	deg F			
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium		0.236	mg/L		0.025	SW846-6010A
Beryllium	U	0.005	mg/L		0.005	SW846-6010A
Boron	U	2	mg/L		2	SW846-6010A
Cadmium	UW	0.005	mg/L		0.005	SW846-7131
Calcium		27.6	mg/L		2	SW846-6010A
Chromium	U	0.025	mg/L		0.025	SW846-6010A
Cobalt	U	0.025	mg/L		0.025	SW846-6010A
Copper	BU	0.05	mg/L		0.05	SW846-6010A
Iron	U	0.2	mg/L		0.2	SW846-6010A
Magnesium		11.6	mg/L		0.025	SW846-6010A
Manganese	U	0.025	mg/L		0.025	SW846-6010A
Mercury	UW	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	U	0.025	mg/L		0.025	SW846-6010A
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Potassium	U	2	mg/L		2	SW846-6010A
Rhodium	U	0.2	mg/L		0.2	SW846-6010A
Selenium	U	0.01	mg/L		0.01	SW846-7740
Silver	BJU	0.025	mg/L		0.025	SW846-6010A
Sodium		41.6	mg/L		2	SW846-6010A
Tantalum	U	0.2	mg/L		0.2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.025	mg/L		0.025	SW846-6010A
Zinc	U	0.1	mg/L		0.1	SW846-6010A
<b>METAL-D</b>						
Barium, Dissolved		0.245	mg/L		0.025	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids	*	252	mg/L		100	EPA-160.2
<b>PCCB</b>						
PCB-1016	U	0.00017	mg/L		0.0002	SW846-8082
PCB-1221	U	0.00017	mg/L		0.0002	SW846-8082
PCB-1232	U	0.00017	mg/L		0.0002	SW846-8082
PCB-1242	U	0.00011	mg/L		0.0001	SW846-8082
PCB-1248	U	0.00017	mg/L		0.0002	SW846-8082

**MW224****SG02-04****C-746 S&T QUARTERLY - JULY - SG02-04**

PCB-1254	U	0.00013	mg/L	0.0001	SW846-8082
PCB-1260	U	0.00009	mg/L	9E-05	SW846-8082
PCB-1268	U	0.00009	mg/L	9E-05	SW846-8082
Polychlorinated biphenyl	U	0.00017	mg/L	0.0002	SW846-8082
<b>RADS</b>					
Alpha activity	U	2.52	pCi/L	1.35	7.39 EPA-900.0
Beta activity		9.11	pCi/L	1.67	5.18 EPA-900.0
Iodine-131	U	2.7	pCi/L	5.4	24.1 RL-7124
Strontium-90	U	-2.77	pCi/L	0.622	23.3 RL-7145
Technetium-99	U	-2.03	pCi/L	0	15.2 RL-7100
Tritium	U	-29	pCi/L	160	267 704R5
<b>VOA</b>					
1,1,1,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
2-Butanone	U	0.01	mg/L	0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L	0.01	SW846-8260
2-Hexanone	U	0.01	mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L	0.01	SW846-8260
Acetone	JU	0.01	mg/L	0.01	SW846-8260
Acrylonitrile	JU	0.01	mg/L	0.01	SW846-8260
Benzene	U	0.005	mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromoform	U	0.005	mg/L	0.005	SW846-8260
Bromomethane	U	0.005	mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L	0.005	SW846-8260
Chloroethane	U	0.005	mg/L	0.005	SW846-8260
Chloromethane	U	0.005	mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Dibromomethane	U	0.005	mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	0.005	SW846-8260
Ethanol	JU	0.25	mg/L	0.25	SW846-8015
Ethyl methacrylate	JU	0.005	mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L	0.005	SW846-8260
Iodomethane	JU	0.005	mg/L	0.005	SW846-8260
Methylene chloride	JU	0.01	mg/L	0.01	SW846-8260
Styrene	U	0.005	mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L	0.005	SW846-8260
Toluene	U	0.005	mg/L	0.005	SW846-8260
Total Xylene	U	0.015	mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260



**MW224****SG02-04****C-746 S&T QUARTERLY - JULY - SG02-04**

trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene		0.002 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	35 mg/L	35	EPA-410.4 1978
Cyanide	UX	0.02 mg/L	0.02	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.05 mg/L	0.05	SW846-9020B
Turbidity	U	0.5 NTU	0.5	EPA-180.1 1978

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**MW224**

**SG02-04**

**C-746 S&T QUARTERLY - JULY - SG02-04**

**MW224DSG4-02**

Collected: 7/8/2002

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		48.5	mg/L		2	SW846-9056
Fluoride		0.21	mg/L		0.1	9214
Nitrate as Nitrogen		1.9	mg/L		1	SW846-9056
Sulfate		13.1	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.77	Inches/Hg			
Conductivity		392	umho/cm			
Depth to Water		65.39	ft			
Dissolved Oxygen		4.2	mg/L			
pH		6	Std Unit			
Redox		185	mV			
Temperature		66.5	deg F			
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium		0.238	mg/L		0.025	SW846-6010A
Beryllium	U	0.005	mg/L		0.005	SW846-6010A
Boron	U	2	mg/L		2	SW846-6010A
Cadmium	UW	0.005	mg/L		0.005	SW846-7131
Calcium		28	mg/L		2	SW846-6010A
Chromium	U	0.025	mg/L		0.025	SW846-6010A
Cobalt	U	0.025	mg/L		0.025	SW846-6010A
Copper	BU	0.05	mg/L		0.05	SW846-6010A
Iron	U	0.2	mg/L		0.2	SW846-6010A
Magnesium		11.7	mg/L		0.025	SW846-6010A
Manganese	U	0.025	mg/L		0.025	SW846-6010A
Mercury	UW	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	U	0.025	mg/L		0.025	SW846-6010A
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Potassium	U	2	mg/L		2	SW846-6010A
Rhodium	U	0.2	mg/L		0.2	SW846-6010A
Selenium	U	0.01	mg/L		0.01	SW846-7740
Silver	BJU	0.025	mg/L		0.025	SW846-6010A
Sodium		42.4	mg/L		2	SW846-6010A
Tantalum	U	0.2	mg/L		0.2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.025	mg/L		0.025	SW846-6010A
Zinc	U	0.1	mg/L		0.1	SW846-6010A
<b>METAL-D</b>						
Barium, Dissolved		0.248	mg/L		0.025	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		254	mg/L		100	EPA-160.2
<b>PCCB</b>						
PCB-1016	U	0.00017	mg/L		0.0002	SW846-8082
PCB-1221	U	0.00017	mg/L		0.0002	SW846-8082
PCB-1232	U	0.00017	mg/L		0.0002	SW846-8082
PCB-1242	U	0.00011	mg/L		0.0001	SW846-8082
PCB-1248	U	0.00017	mg/L		0.0002	SW846-8082

**MW224**

**SG02-04**

**C-746 S&T QUARTERLY - JULY - SG02-04**

PCB-1254	U	0.00013	mg/L	0.0001	SW846-8082
PCB-1260	U	0.00009	mg/L	9E-05	SW846-8082
PCB-1268	U	0.00009	mg/L	9E-05	SW846-8082
Polychlorinated biphenyl	U	0.00017	mg/L	0.0002	SW846-8082
<b>RADS</b>					
Alpha activity	U	-0.907	pCi/L	0.686	8.2 EPA-900.0
Beta activity		8.41	pCi/L	1.59	5.36 EPA-900.0
Iodine-131	U	-17.1	pCi/L	34.1	22.6 RL-7124
Strontium-90	U	-11.4	pCi/L	2.95	23.3 RL-7145
Technetium-99	U	-3.82	pCi/L	0	15.2 RL-7100
Tritium	U	105	pCi/L	162	267 704R5
<b>VOA</b>					
1,1,1,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
2-Butanone	U	0.01	mg/L	0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L	0.01	SW846-8260
2-Hexanone	U	0.01	mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L	0.01	SW846-8260
Acetone	JU	0.01	mg/L	0.01	SW846-8260
Acrylonitrile	JU	0.01	mg/L	0.01	SW846-8260
Benzene	U	0.005	mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromoform	U	0.005	mg/L	0.005	SW846-8260
Bromomethane	U	0.005	mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L	0.005	SW846-8260
Chloroethane	U	0.005	mg/L	0.005	SW846-8260
Chloromethane	U	0.005	mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Dibromomethane	U	0.005	mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	0.005	SW846-8260
Ethanol	U	0.25	mg/L	0.25	SW846-8015
Ethyl methacrylate	JU	0.005	mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L	0.005	SW846-8260
Iodomethane	JU	0.005	mg/L	0.005	SW846-8260
Methylene chloride	JU	0.01	mg/L	0.01	SW846-8260
Styrene	U	0.005	mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L	0.005	SW846-8260
Toluene	U	0.005	mg/L	0.005	SW846-8260
Total Xylene	U	0.015	mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260

**MW224****SG02-04****C-746 S&T QUARTERLY - JULY - SG02-04**

trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene		0.002 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	35 mg/L	35	EPA-410.4 1978
Cyanide	UX	0.02 mg/L	0.02	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.352 mg/L	0.05	SW846-9020B
Turbidity	U	0.5 NTU	0.5	EPA-180.1 1978

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## MW263

## SG02-04

## C-746 S&amp;T QUARTERLY - JULY - SG02-04

## MW263SG4-02

Collected: 7/8/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		60.4	mg/L		2	SW846-9056
Fluoride		0.17	mg/L		0.1	9214
Nitrate as Nitrogen		1.1	mg/L		1	SW846-9056
Sulfate		39.5	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.65	Inches/Hg			
Conductivity		548	umho/cm			
Depth to Water		29.92	ft			
Dissolved Oxygen		1.16	mg/L			
pH		6.19	Std Unit			
Redox		165	mV			
Temperature		65.9	deg F			
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium		0.081	mg/L		0.025	SW846-6010A
Beryllium	U	0.005	mg/L		0.005	SW846-6010A
Boron	U	2	mg/L		2	SW846-6010A
Cadmium	UW	0.005	mg/L		0.005	SW846-7131
Calcium		36.3	mg/L		2	SW846-6010A
Chromium		0.077	mg/L		0.025	SW846-6010A
Cobalt	U	0.025	mg/L		0.025	SW846-6010A
Copper	BU	0.05	mg/L		0.05	SW846-6010A
Iron		2.26	mg/L		0.2	SW846-6010A
Magnesium		14.6	mg/L		0.025	SW846-6010A
Manganese		0.037	mg/L		0.025	SW846-6010A
Mercury	UW	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	U	0.025	mg/L		0.025	SW846-6010A
Nickel		0.072	mg/L		0.05	SW846-6010A
Potassium		3.69	mg/L		2	SW846-6010A
Rhodium	U	0.2	mg/L		0.2	SW846-6010A
Selenium	U	0.01	mg/L		0.01	SW846-7740
Silver	BJU	0.025	mg/L		0.025	SW846-6010A
Sodium		45.4	mg/L		2	SW846-6010A
Tantalum	U	0.2	mg/L		0.2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.025	mg/L		0.025	SW846-6010A
Zinc	U	0.1	mg/L		0.1	SW846-6010A
<b>METAL-D</b>						
Barium, Dissolved		0.082	mg/L		0.025	SW846-6010A
Chromium, Dissolved	U	0.025	mg/L		0.025	SW846-6010A
<b>PHYSIC</b>						
Dissolved Solids		308	mg/L		100	EPA-160.2
<b>PCB</b>						
PCB-1016	U	0.00017	mg/L		0.0002	SW846-8082
PCB-1221	U	0.00017	mg/L		0.0002	SW846-8082
PCB-1232	U	0.00017	mg/L		0.0002	SW846-8082
PCB-1242	U	0.00011	mg/L		0.0001	SW846-8082

## MW263

## SG02-04

## C-746 S&amp;T QUARTERLY - JULY - SG02-04

PCB-1248	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1254	U	0.00013	mg/L	0.0001	SW846-8082
PCB-1260		9.2E-05	mg/L	9E-05	SW846-8082
PCB-1268	U	0.00009	mg/L	9E-05	SW846-8082
Polychlorinated biphenyl		9.2E-05	mg/L	9E-05	SW846-8082
<b>RADS</b>					
Alpha activity	U	4.01	pCi/L	1.79	9.38 EPA-900.0
Beta activity		34.8	pCi/L	4.14	5.62 EPA-900.0
Iodine-131	U	-15.5	pCi/L	30.9	23.5 RL-7124
Strontium-90	U	4.53	pCi/L	0.93	23.3 RL-7145
Technetium-99		28.2	pCi/L	11.2	15.2 RL-7100
Tritium	U	15.6	pCi/L	160	267 704R5
<b>VOA</b>					
1,1,1,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
2-Butanone	U	0.01	mg/L	0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L	0.01	SW846-8260
2-Hexanone	U	0.01	mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L	0.01	SW846-8260
Acetone	JU	0.01	mg/L	0.01	SW846-8260
Acrylonitrile	JU	0.01	mg/L	0.01	SW846-8260
Benzene	U	0.005	mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromoform	U	0.005	mg/L	0.005	SW846-8260
Bromomethane	U	0.005	mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L	0.005	SW846-8260
Chloroethane	U	0.005	mg/L	0.005	SW846-8260
Chloromethane	U	0.005	mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Dibromomethane	U	0.005	mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	0.005	SW846-8260
Ethanol	U	0.25	mg/L	0.25	SW846-8015
Ethyl methacrylate	JU	0.005	mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L	0.005	SW846-8260
Iodomethane	JU	0.005	mg/L	0.005	SW846-8260
Methylene chloride	JU	0.01	mg/L	0.01	SW846-8260
Styrene	U	0.005	mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L	0.005	SW846-8260
Toluene	U	0.005	mg/L	0.005	SW846-8260
Total Xylene	U	0.015	mg/L	0.015	SW846-8260

**MW263****SG02-04****C-746 S&T QUARTERLY - JULY - SG02-04**

trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene		0.019 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	35 mg/L	35	EPA-410.4 1978
Cyanide	UX	0.02 mg/L	0.02	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.05 mg/L	0.05	SW846-9020B
Turbidity		15 NTU	0.5	EPA-180.1 1978

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## MW264

## SG02-04

## C-746 S&amp;T QUARTERLY - JULY - SG02-04

## MW264SG4-02

Collected: 7/8/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		44.4	mg/L		2	SW846-9056
Fluoride		0.15	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		68.6	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.62	Inches/Hg			
Conductivity		603	umho/cm			
Depth to Water		35.36	ft			
Dissolved Oxygen		0.94	mg/L			
pH		6.32	Std Unit			
Redox		140	mV			
Temperature		66.2	deg F			
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium		0.124	mg/L		0.025	SW846-6010A
Beryllium	U	0.005	mg/L		0.005	SW846-6010A
Boron	U	2	mg/L		2	SW846-6010A
Cadmium	UW	0.005	mg/L		0.005	SW846-7131
Calcium		47.4	mg/L		2	SW846-6010A
Chromium	U	0.025	mg/L		0.025	SW846-6010A
Cobalt	U	0.025	mg/L		0.025	SW846-6010A
Copper	BU	0.05	mg/L		0.05	SW846-6010A
Iron		0.2	mg/L		0.2	SW846-6010A
Magnesium		15.8	mg/L		0.025	SW846-6010A
Manganese		0.057	mg/L		0.025	SW846-6010A
Mercury	UW	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	U	0.025	mg/L		0.025	SW846-6010A
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Potassium	U	2	mg/L		2	SW846-6010A
Rhodium	U	0.2	mg/L		0.2	SW846-6010A
Selenium	U	0.01	mg/L		0.01	SW846-7740
Silver	BJU	0.025	mg/L		0.025	SW846-6010A
Sodium		45.8	mg/L		2	SW846-6010A
Tantalum	U	0.2	mg/L		0.2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.025	mg/L		0.025	SW846-6010A
Zinc	U	0.1	mg/L		0.1	SW846-6010A
<b>METAL-D</b>						
Barium, Dissolved		0.126	mg/L		0.025	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		334	mg/L		100	EPA-160.2
<b>PCCB</b>						
PCB-1016	U	0.00017	mg/L		0.0002	SW846-8082
PCB-1221	U	0.00017	mg/L		0.0002	SW846-8082
PCB-1232	U	0.00017	mg/L		0.0002	SW846-8082
PCB-1242	U	0.00011	mg/L		0.0001	SW846-8082
PCB-1248	U	0.00017	mg/L		0.0002	SW846-8082



**MW264****SG02-04**

PCB-1254	U	0.00013	mg/L	0.0001	SW846-8082
PCB-1260	U	0.00009	mg/L	9E-05	SW846-8082
PCB-1268	U	0.00009	mg/L	9E-05	SW846-8082
Polychlorinated biphenyl	U	0.00017	mg/L	0.0002	SW846-8082

**RADS**

Alpha activity	U	-0.592	pCi/L	0.448	8.87	EPA-900.0
Beta activity	U	5.22	pCi/L	1.11	5.51	EPA-900.0
Iodine-131	U	-9.47	pCi/L	18.9	24.3	RL-7124
Strontium-90	U	-7.19	pCi/L	1.73	23.3	RL-7145
Technetium-99	U	-8.23	pCi/L	0	15.2	RL-7100
Tritium	U	64.7	pCi/L	161	267	704R5

**VOA**

1,1,1,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
2-Butanone	U	0.01	mg/L	0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L	0.01	SW846-8260
2-Hexanone	U	0.01	mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L	0.01	SW846-8260
Acetone	JU	0.01	mg/L	0.01	SW846-8260
Acrylonitrile	JU	0.01	mg/L	0.01	SW846-8260
Benzene	U	0.005	mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromoform	U	0.005	mg/L	0.005	SW846-8260
Bromomethane	U	0.005	mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L	0.005	SW846-8260
Chloroethane	U	0.005	mg/L	0.005	SW846-8260
Chloromethane	U	0.005	mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Dibromomethane	U	0.005	mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	0.005	SW846-8260
Ethanol	U	0.25	mg/L	0.25	SW846-8015
Ethyl methacrylate	JU	0.005	mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L	0.005	SW846-8260
Iodomethane	JU	0.005	mg/L	0.005	SW846-8260
Methylene chloride	JU	0.01	mg/L	0.01	SW846-8260
Styrene	U	0.005	mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L	0.005	SW846-8260
Toluene	U	0.005	mg/L	0.005	SW846-8260
Total Xylene	U	0.015	mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260

**MW264****SG02-04****C-746 S&T QUARTERLY - JULY - SG02-04**

trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene		0.003 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	35 mg/L	35	EPA-410.4 1978
Cyanide	UX	0.02 mg/L	0.02	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.05 mg/L	0.05	SW846-9020B
Turbidity		2.4 NTU	0.5	EPA-180.1 1978

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## MW266

## SG02-04

## C-746 S&amp;T QUARTERLY - JULY - SG02-04

## MW266SG4-02

Collected: 7/8/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		41.3	mg/L		2	SW846-9056
Fluoride		0.15	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		57.4	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.62	Inches/Hg			
Conductivity		428	umho/cm			
Depth to Water		35.08	ft			
Dissolved Oxygen		2.33	mg/L			
pH		6.09	Std Unit			
Redox		90	mV			
Temperature		66.8	deg F			
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium		0.041	mg/L		0.025	SW846-6010A
Beryllium	U	0.005	mg/L		0.005	SW846-6010A
Boron	U	2	mg/L		2	SW846-6010A
Cadmium	UW	0.005	mg/L		0.005	SW846-7131
Calcium		34.8	mg/L		2	SW846-6010A
Chromium		0.16	mg/L		0.025	SW846-6010A
Cobalt	U	0.025	mg/L		0.025	SW846-6010A
Copper	B	0.08	mg/L		0.05	SW846-6010A
Iron		1.71	mg/L		0.2	SW846-6010A
Magnesium		14.2	mg/L		0.025	SW846-6010A
Manganese	U	0.025	mg/L		0.025	SW846-6010A
Mercury	UW	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	U	0.025	mg/L		0.025	SW846-6010A
Nickel		0.071	mg/L		0.05	SW846-6010A
Potassium		2.31	mg/L		2	SW846-6010A
Rhodium	U	0.2	mg/L		0.2	SW846-6010A
Selenium	U	0.01	mg/L		0.01	SW846-7740
Silver	BU	0.025	mg/L		0.025	SW846-6010A
Sodium		26.6	mg/L		2	SW846-6010A
Tantalum	U	0.2	mg/L		0.2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.025	mg/L		0.025	SW846-6010A
Zinc	U	0.1	mg/L		0.1	SW846-6010A
<b>METAL-D</b>						
Barium, Dissolved		0.041	mg/L		0.025	SW846-6010A
Chromium, Dissolved	U	0.025	mg/L		0.025	SW846-6010A
<b>PHYSIC</b>						
Dissolved Solids		290	mg/L		100	EPA-160.2
<b>PCB</b>						
PCB-1016	U	0.00017	mg/L		0.0002	SW846-8082
PCB-1221	U	0.00017	mg/L		0.0002	SW846-8082
PCB-1232	U	0.00017	mg/L		0.0002	SW846-8082
PCB-1242	U	0.00011	mg/L		0.0001	SW846-8082

## MW266

## SG02-04

## C-746 S&amp;T QUARTERLY - JULY - SG02-04

PCB-1248	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1254	U	0.00013	mg/L	0.0001	SW846-8082
PCB-1260	U	0.00009	mg/L	9E-05	SW846-8082
PCB-1268	U	0.00009	mg/L	9E-05	SW846-8082
Polychlorinated biphenyl	U	0.00017	mg/L	0.0002	SW846-8082
<b>RADS</b>					
Alpha activity	U	1.69	pCi/L	0.977	7.26 EPA-900.0
Beta activity		7.25	pCi/L	1.41	5.15 EPA-900.0
Iodine-131	U	-17.7	pCi/L	35.4	21.3 RL-7124
Strontium-90	U	-9	pCi/L	2.22	23.3 RL-7145
Technetium-99	U	-8.62	pCi/L	0	15.2 RL-7100
Tritium	U	-20.2	pCi/L	160	268 704R5
<b>VOA</b>					
1,1,1,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
2-Butanone	U	0.01	mg/L	0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L	0.01	SW846-8260
2-Hexanone	U	0.01	mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L	0.01	SW846-8260
Acetone	JU	0.01	mg/L	0.01	SW846-8260
Acrylonitrile	JU	0.01	mg/L	0.01	SW846-8260
Benzene	U	0.005	mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromoform	U	0.005	mg/L	0.005	SW846-8260
Bromomethane	U	0.005	mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L	0.005	SW846-8260
Chloroethane	U	0.005	mg/L	0.005	SW846-8260
Chloromethane	U	0.005	mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Dibromomethane	U	0.005	mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	0.005	SW846-8260
Ethanol	U	0.25	mg/L	0.25	SW846-8015
Ethyl methacrylate	JU	0.005	mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L	0.005	SW846-8260
Iodomethane	JU	0.005	mg/L	0.005	SW846-8260
Methylene chloride	JU	0.01	mg/L	0.01	SW846-8260
Styrene	U	0.005	mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L	0.005	SW846-8260
Toluene	U	0.005	mg/L	0.005	SW846-8260
Total Xylene	U	0.015	mg/L	0.015	SW846-8260

**MW266****SG02-04****C-746 S&T QUARTERLY - JULY - SG02-04**

trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene		0.007 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	35 mg/L	35	EPA-410.4 1978
Cyanide	UX	0.02 mg/L	0.02	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.05 mg/L	0.05	SW846-9020B
Turbidity		18 NTU	0.5	EPA-180.1 1978

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MW267

SG02-04

C-746 S&T QUARTERLY - JULY - SG02-04

MW267SG4-02

Collected: 7/9/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		48.7	mg/L		2	SW846-9056
Fluoride		0.12	mg/L		0.1	9214
Nitrate as Nitrogen		1.9	mg/L		1	SW846-9056
Sulfate		8.7	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.71	Inches/Hg			
Conductivity		357	umho/cm			
Depth to Water		50.13	ft			
Dissolved Oxygen		5.41	mg/L			
pH		6	Std Unit			
Redox		150	mV			
Temperature		62.7	deg F			
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium		0.222	mg/L		0.025	SW846-6010A
Beryllium	U	0.005	mg/L		0.005	SW846-6010A
Boron	U	2	mg/L		2	SW846-6010A
Cadmium	UW	0.005	mg/L		0.005	SW846-7131
Calcium		21.8	mg/L		2	SW846-6010A
Chromium		0.038	mg/L		0.025	SW846-6010A
Cobalt	U	0.025	mg/L		0.025	SW846-6010A
Copper	BU	0.05	mg/L		0.05	SW846-6010A
Iron		0.228	mg/L		0.2	SW846-6010A
Magnesium		8.61	mg/L		0.025	SW846-6010A
Manganese	U	0.025	mg/L		0.025	SW846-6010A
Mercury	UW	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	U	0.025	mg/L		0.025	SW846-6010A
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Potassium		2.36	mg/L		2	SW846-6010A
Rhodium	U	0.2	mg/L		0.2	SW846-6010A
Selenium	U	0.01	mg/L		0.01	SW846-7740
Silver	BJU	0.025	mg/L		0.025	SW846-6010A
Sodium		35.5	mg/L		2	SW846-6010A
Tantalum	U	0.2	mg/L		0.2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.025	mg/L		0.025	SW846-6010A
Zinc	U	0.1	mg/L		0.1	SW846-6010A
<b>METAL-D</b>						
Barium, Dissolved		0.223	mg/L		0.025	SW846-6010A
Chromium, Dissolved	U	0.025	mg/L		0.025	SW846-6010A
<b>PHYSIC</b>						
Dissolved Solids		211	mg/L		100	EPA-160.2
<b>PCB</b>						
PCB-1016	U	0.00017	mg/L		0.0002	SW846-8082
PCB-1221	U	0.00017	mg/L		0.0002	SW846-8082
PCB-1232	U	0.00017	mg/L		0.0002	SW846-8082
PCB-1242	U	0.00011	mg/L		0.0001	SW846-8082

## MW267

## SG02-04

## C-746 S&amp;T QUARTERLY - JULY - SG02-04

PCB-1248	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1254	U	0.00013	mg/L	0.0001	SW846-8082
PCB-1260	U	0.00009	mg/L	9E-05	SW846-8082
PCB-1268	U	0.00009	mg/L	9E-05	SW846-8082
Polychlorinated biphenyl	U	0.00017	mg/L	0.0002	SW846-8082
<b>RADS</b>					
Alpha activity	U	3.13	pCi/L	1.52	6.7 EPA-900.0
Beta activity		14.2	pCi/L	2.25	5.03 EPA-900.0
Iodine-131	U	-17	pCi/L	34	21.7 RL-7124
Strontium-90	U	1.33	pCi/L	0.283	23.3 RL-7145
Technetium-99	U	-1.36	pCi/L	0	15.2 RL-7100
Tritium	U	-69.5	pCi/L	159	268 704R5
<b>VOA</b>					
1,1,1,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
2-Butanone	U	0.01	mg/L	0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L	0.01	SW846-8260
2-Hexanone	U	0.01	mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L	0.01	SW846-8260
Acetone	JU	0.01	mg/L	0.01	SW846-8260
Acrylonitrile	JU	0.01	mg/L	0.01	SW846-8260
Benzene	U	0.005	mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromoform	U	0.005	mg/L	0.005	SW846-8260
Bromomethane	U	0.005	mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L	0.005	SW846-8260
Chloroethane	U	0.005	mg/L	0.005	SW846-8260
Chloromethane	U	0.005	mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Dibromomethane	U	0.005	mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	0.005	SW846-8260
Ethanol	U	0.25	mg/L	0.25	SW846-8015
Ethyl methacrylate	JU	0.005	mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L	0.005	SW846-8260
Iodomethane	JU	0.005	mg/L	0.005	SW846-8260
Methylene chloride	JU	0.01	mg/L	0.01	SW846-8260
Styrene	U	0.005	mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L	0.005	SW846-8260
Toluene	U	0.005	mg/L	0.005	SW846-8260
Total Xylene	U	0.015	mg/L	0.015	SW846-8260

**MW267****SG02-04**

trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260

**WETCHEM**

Chemical Oxygen Demand (COD)	U	35 mg/L	35	EPA-410.4 1978
Cyanide	UX	0.02 mg/L	0.02	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.05 mg/L	0.05	SW846-9020B
Turbidity		1.6 NTU	0.5	EPA-180.1 1978

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MW266

SG02-04R

C-746 S&T QUARTERLY - JULY - RESAMPLE FOR RADIUM SG02-04R

MW266SG4-02RE

Collected: 8/21/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.59	Inches/Hg			
Conductivity		462	umho/cm			
Depth to Water		38.21	ft			
Dissolved Oxygen		2.71	mg/L			
pH		5.84	Std Unit			
Temperature		66.7	deg F			
<b>RADS</b>						
Alpha activity	U	2.84	pCi/L	1.89	4.94	EPA-900.0
Beta activity		8.28	pCi/L	1.55	5.36	EPA-900.0
Radium		0.541	pCi/L	0.0834	0.446	RL-7113

# Paducah-OREIS Data Report

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12/18/2007

**MW384**

**SG02-05**

## C-746-S&T MW Abandonment and Replacement - Event 1 SG02-05

**MW384SG5-02**

Collected: 8/13/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		51.2	mg/L		2	SW846-9056
Fluoride		1.8	mg/L		1	SW846-9056
Sulfate		15.4	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.65	Inches/Hg			
Conductivity		1351	umho/cm			
Depth to Water		37.86	ft			
Dissolved Oxygen		0.29	mg/L			
pH		6.8	Std Unit			
Temperature		68.3	deg F			
<b>HERB</b>						
2,4,5-T	U	0.0005	mg/L		0.0005	SW846-8151A
2,4-D	U	0.001	mg/L		0.001	SW846-8151A
Dinoseb	U	0.1	mg/L		0.1	SW846-8270C
Silvex	U	0.0005	mg/L		0.0005	SW846-8151A
<b>METAL</b>						
Aluminum		0.32	mg/L		0.2	SW846-6010A
Arsenic	W	0.008	mg/L		0.005	SW846-7060
Barium		0.191	mg/L		0.025	SW846-6010A
Beryllium	U	0.005	mg/L		0.005	SW846-6010A
Boron	U	2	mg/L		2	SW846-6010A
Cadmium	UW	0.005	mg/L		0.005	SW846-7131
Calcium		30.7	mg/L		2	SW846-6010A
Chromium	U	0.025	mg/L		0.025	SW846-6010A
Cobalt	U	0.025	mg/L		0.025	SW846-6010A
Copper	U	0.05	mg/L		0.05	SW846-6010A
Iron		5.33	mg/L		0.2	SW846-6010A
Magnesium		10.9	mg/L		0.025	SW846-6010A
Manganese		2.41	mg/L		0.025	SW846-6010A
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	U	0.025	mg/L		0.025	SW846-6010A
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Potassium	U	2	mg/L		2	SW846-6010A
Rhodium	U	0.2	mg/L		0.2	SW846-6010A
Selenium	U	0.01	mg/L		0.01	SW846-7740
Silver	BU	0.025	mg/L		0.025	SW846-6010A
Sodium		103	mg/L		2	SW846-6010A
Tantalum	NU	0.2	mg/L		0.2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Tin	U	1	mg/L		1	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.025	mg/L		0.025	SW846-6010A
Zinc	U	0.1	mg/L		0.1	SW846-6010A
<b>METAL-D</b>						
Arsenic, Dissolved		0.008	mg/L		0.005	SW846-7060
Barium, Dissolved		0.155	mg/L		0.025	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		418	mg/L		100	EPA-160.2

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## SG02-05

## C-746-S&amp;T MW Abandonment and Replacement - Event 1 SG02-05

PPCB					
4,4'-DDD	U	0.0001	mg/L	0.0001	SW846-8081A
4,4'-DDE	U	0.0001	mg/L	0.0001	SW846-8081A
4,4'-DDT	U	0.0001	mg/L	0.0001	SW846-8081A
Aldrin	U	0.00005	mg/L	5E-05	SW846-8081A
alpha-BHC	U	0.00005	mg/L	5E-05	SW846-8081A
alpha-Chlordane	U	0.00005	mg/L	5E-05	SW846-8081A
beta-BHC	U	0.00005	mg/L	5E-05	SW846-8081A
delta-BHC	U	0.00005	mg/L	5E-05	SW846-8081A
Dieldrin	U	0.0001	mg/L	0.0001	SW846-8081A
Disulfoton	U	0.0005	mg/L	0.0005	SW846-8141
Endosulfan I	U	0.00005	mg/L	5E-05	SW846-8081A
Endosulfan II	U	0.0001	mg/L	0.0001	SW846-8081A
Endosulfan sulfate	U	0.0001	mg/L	0.0001	SW846-8081A
Endrin	U	0.0001	mg/L	0.0001	SW846-8081A
Endrin aldehyde	U	0.0001	mg/L	0.0001	SW846-8081A
Famphur	U	0.0012	mg/L	0.0012	SW846-8141
gamma-Chlordane	U	0.00005	mg/L	5E-05	SW846-8081A
Heptachlor	U	0.00005	mg/L	5E-05	SW846-8081A
Heptachlor epoxide	U	0.00005	mg/L	5E-05	SW846-8081A
Isodrin	U	0.0001	mg/L	0.0001	SW846-8081A
Kepone	U	0.0005	mg/L	0.0005	SW846-8081A
Lindane	U	0.00005	mg/L	5E-05	SW846-8081A
Methoxychlor	U	0.0005	mg/L	0.0005	SW846-8081A
Methyl parathion	U	0.0005	mg/L	0.0005	SW846-8141
Parathion	U	0.0005	mg/L	0.0005	SW846-8141
PCB-1016	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1221	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1232	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1242	U	0.00011	mg/L	0.0001	SW846-8082
PCB-1248	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1254	U	0.00013	mg/L	0.0001	SW846-8082
PCB-1260	U	0.00009	mg/L	9E-05	SW846-8082
PCB-1268	U	0.00009	mg/L	9E-05	SW846-8082
Phorate	U	0.0005	mg/L	0.0005	SW846-8141
Polychlorinated biphenyl	UY	0.00017	mg/L	0.0002	SW846-8082
Sulfotepp	U	0.0005	mg/L	0.0005	SW846-8141
Thionazin	U	0.0005	mg/L	0.0005	SW846-8141
Toxaphene	U	0.005	mg/L	0.005	SW846-8081A
RADS					
Alpha activity	U	-5.3	pCi/L	2.5	12.6 EPA-900.0
Beta activity		104	pCi/L	7.73	6.98 EPA-900.0
Strontium-90	U	8.59	pCi/L	2.24	17.4 RL-7145
Technetium-99		124	pCi/L	20.5	18.8 RL-7100
Tritium	U	26.1	pCi/L	157	261 704R5
SVOA					
1,2,4,5-Tetrachlorobenzene	U	0.02	mg/L	0.02	SW846-8270C
1,2,4-Trichlorobenzene	U	0.02	mg/L	0.02	SW846-8270C
1,3,5-Trinitrobenzene	U	0.02	mg/L	0.02	SW846-8270C
1,3-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260B
1,3-Dinitrobenzene	U	0.02	mg/L	0.02	SW846-8270C
1,4-Dioxane	U	0.02	mg/L	0.02	SW846-8270C
1,4-Naphthoquinone	U	0.02	mg/L	0.02	SW846-8270C
1-Naphthalenamine	U	0.02	mg/L	0.02	SW846-8270C
2,3,4,6-Tetrachlorophenol	U	0.02	mg/L	0.02	SW846-8270C

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2,4,5-Trichlorophenol	U	0.05	mg/L	0.05	SW846-8270C
2,4,6-Trichlorophenol	U	0.02	mg/L	0.02	SW846-8270C
2,4-Dichlorophenol	U	0.02	mg/L	0.02	SW846-8270C
2,4-Dimethylphenol	U	0.02	mg/L	0.02	SW846-8270C
2,4-Dinitrophenol	U	0.05	mg/L	0.05	SW846-8270C
2,4-Dinitrotoluene	U	0.02	mg/L	0.02	SW846-8270C
2,6-Dichlorophenol	U	0.02	mg/L	0.02	SW846-8270C
2,6-Dinitrotoluene	U	0.02	mg/L	0.02	SW846-8270C
2-Acetylaminofluorene	U	0.02	mg/L	0.02	SW846-8270C
2-Chloronaphthalene	U	0.02	mg/L	0.02	SW846-8270C
2-Chlorophenol	U	0.02	mg/L	0.02	SW846-8270C
2-Methyl-4,6-dinitrophenol	U	0.05	mg/L	0.05	SW846-8270C
2-Methylnaphthalene	U	0.02	mg/L	0.02	SW846-8270C
2-Methylphenol	U	0.02	mg/L	0.02	SW846-8270C
2-Nitrobenzenamine	U	0.05	mg/L	0.05	SW846-8270C
2-Nitrophenol	U	0.02	mg/L	0.02	SW846-8270C
3,3'-Dichlorobenzidine	U	0.02	mg/L	0.02	SW846-8270C
3,3'-Dimethylbenzidine	U	0.02	mg/L	0.02	SW846-8270C
3-Methylcholanthrene	U	0.02	mg/L	0.02	SW846-8270C
3-Methylphenol	E	0.19	mg/L	0.02	SW846-8270C
3-Nitrobenzenamine	U	0.05	mg/L	0.05	SW846-8270C
4-Aminobiphenyl	U	0.02	mg/L	0.02	SW846-8270C
4-Bromophenyl phenyl ether	U	0.02	mg/L	0.02	SW846-8270C
4-Chloro-3-methylphenol	U	0.02	mg/L	0.02	SW846-8270C
4-Chlorobenzenamine	U	0.02	mg/L	0.02	SW846-8270C
4-Chlorophenyl phenyl ether	U	0.02	mg/L	0.02	SW846-8270C
4-Nitrobenzenamine	U	0.05	mg/L	0.05	SW846-8270C
4-Nitrophenol	U	0.05	mg/L	0.05	SW846-8270C
5-(2-Propenyl)-1,3-benzodioxole (Safr	U	0.02	mg/L	0.02	SW846-8270C
5-Nitro-o-toluidine	U	0.02	mg/L	0.02	SW846-8270C
7,12-Dimethylbenz(a)anthracene	U	0.02	mg/L	0.02	SW846-8270C
Acenaphthene	U	0.02	mg/L	0.02	SW846-8270C
Acenaphthylene	U	0.02	mg/L	0.02	SW846-8270C
Acetophenone	U	0.02	mg/L	0.02	SW846-8270C
Anthracene	U	0.02	mg/L	0.02	SW846-8270C
Benz(a)anthracene	U	0.02	mg/L	0.02	SW846-8270C
Benzenemethanol	U	0.02	mg/L	0.02	SW846-8270C
Benzo(a)pyrene	U	0.02	mg/L	0.02	SW846-8270C
Benzo(b)fluoranthene	U	0.02	mg/L	0.02	SW846-8270C
Benzo(ghi)perylene	U	0.02	mg/L	0.02	SW846-8270C
Benzo(k)fluoranthene	U	0.02	mg/L	0.02	SW846-8270C
Bis(2-chloroethoxy)methane	U	0.02	mg/L	0.02	SW846-8270C
Bis(2-chloroethyl) ether	U	0.02	mg/L	0.02	SW846-8270C
Bis(2-chloroisopropyl) ether	U	0.02	mg/L	0.02	SW846-8270C
Bis(2-ethylhexyl)phthalate	J	0.002	mg/L	0.02	SW846-8270C
Butyl benzyl phthalate	U	0.02	mg/L	0.02	SW846-8270C
Chlorobenzilate	U	0.02	mg/L	0.02	SW846-8270C
Chrysene	U	0.02	mg/L	0.02	SW846-8270C
Diallate	U	0.02	mg/L	0.02	SW846-8270C
Dibenz(a,h)anthracene	U	0.02	mg/L	0.02	SW846-8270C
Dibenzofuran	U	0.02	mg/L	0.02	SW846-8270C
Diethyl phthalate	U	0.02	mg/L	0.02	SW846-8270C
Dimethoate	U	0.0005	mg/L	0.0005	SW846-8141
Dimethyl phthalate	U	0.02	mg/L	0.02	SW846-8270C
Di-n-butyl phthalate	JB	0.004	mg/L	0.02	SW846-8270C

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## SG02-05

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Di-n-octylphthalate	U	0.02	mg/L	0.02	SW846-8270C
Ethyl methanesulfonate	U	0.02	mg/L	0.02	SW846-8270C
Fluoranthene	U	0.02	mg/L	0.02	SW846-8270C
Fluorene	U	0.02	mg/L	0.02	SW846-8270C
Hexachloro-1-propene	U	0.02	mg/L	0.02	SW846-8270C
Hexachlorobenzene	U	0.02	mg/L	0.02	SW846-8270C
Hexachlorobutadiene	U	0.02	mg/L	0.02	SW846-8270C
Hexachlorocyclopentadiene	U	0.02	mg/L	0.02	SW846-8270C
Hexachloroethane	U	0.02	mg/L	0.02	SW846-8270C
Indeno(1,2,3-cd)pyrene	U	0.02	mg/L	0.02	SW846-8270C
Isodrin	U	0.02	mg/L	0.02	SW846-8270C
Isophorone	U	0.02	mg/L	0.02	SW846-8270C
Isosafrole	U	0.02	mg/L	0.02	SW846-8270C
Methapyrilene	U	0.02	mg/L	0.02	SW846-8270C
Methyl methanesulfonate	U	0.02	mg/L	0.02	SW846-8270C
Naphthalene	U	0.02	mg/L	0.02	SW846-8270C
Nitrobenzene	U	0.02	mg/L	0.02	SW846-8270C
N-Nitrosodiethylamine	U	0.02	mg/L	0.02	SW846-8270C
N-Nitrosodimethylamine	U	0.02	mg/L	0.02	SW846-8270C
N-Nitroso-di-n-butylamine	U	0.02	mg/L	0.02	SW846-8270C
N-Nitroso-di-n-propylamine	U	0.02	mg/L	0.02	SW846-8270C
N-Nitrosomethylethylamine	U	0.02	mg/L	0.02	SW846-8270C
N-Nitrosopiperidine	U	0.1	mg/L	0.1	SW846-8270C
N-Nitrosopyrrolidine	U	0.02	mg/L	0.02	SW846-8270C
O,O,O-Triethylphosphorothioate	U	0.0005	mg/L	0.0005	SW846-8141
o-Toluidine	U	0.02	mg/L	0.02	SW846-8270C
p-Dimethylaminoazobenzene	U	0.02	mg/L	0.02	SW846-8270C
Pentachlorobenzene	U	0.02	mg/L	0.02	SW846-8270C
Pentachloroethane	U	0.02	mg/L	0.02	SW846-8270C
Pentachloronitrobenzene	U	0.1	mg/L	0.1	SW846-8270C
Pentachlorophenol	U	0.05	mg/L	0.05	SW846-8270C
Phenacetin	U	0.02	mg/L	0.02	SW846-8270C
Phenanthrene	U	0.02	mg/L	0.02	SW846-8270C
Phenol	U	0.02	mg/L	0.02	SW846-8270C
p-Phenylenediamine	U	0.02	mg/L	0.02	SW846-8270C
Pronamide	U	0.02	mg/L	0.02	SW846-8270C
Pyrene	U	0.02	mg/L	0.02	SW846-8270C

## VOA

1,1,1,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260B
1,1,1-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260B
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260B
1,1,2-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260B
1,1-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260B
1,1-Dichloropropene	U	0.01	mg/L	0.01	SW846-8260B
1,2,3-Trichloropropane	U	0.01	mg/L	0.01	SW846-8260B
1,2-Dibromo-3-chloropropane	U	0.02	mg/L	0.02	SW846-8260B
1,2-Dibromoethane	U	0.02	mg/L	0.02	SW846-8260B
1,2-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260B
1,2-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260B
1,2-Dichloropropane	U	0.005	mg/L	0.005	SW846-8260B
1,2-Dimethylbenzene	U	0.005	mg/L	0.005	SW846-8260B
1,3-Dichloropropane	U	0.01	mg/L	0.01	SW846-8260B
1,3-Dimethylbenzene	J	0.005	mg/L	0.005	SW846-8260B
1,4-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260B
2,2-Dichloropropane	U	0.01	mg/L	0.01	SW846-8260B

**MW384****SG02-05****C-746-S&T MW Abandonment and Replacement - Event 1 SG02-05**

2-Butanone	J	0.004 mg/L	0.05	SW846-8260B
2-Chloro-1,3-butadiene	U	0.01 mg/L	0.01	SW846-8260B
2-Chloroethyl vinyl ether	U	0.01 mg/L	0.01	SW846-8260B
2-Hexanone	U	0.01 mg/L	0.01	SW846-8260B
2-Naphthalenamine	U	0.02 mg/L	0.02	SW846-8270C
4-Methyl-2-pentanone	U	0.01 mg/L	0.01	SW846-8260B
Acetone	B	0.17 mg/L	0.01	SW846-8260B
Acetonitrile	U	0.02 mg/L	0.02	SW846-8260B
Acrolein	U	0.01 mg/L	0.01	SW846-8260B
Acrylonitrile	U	0.01 mg/L	0.01	SW846-8260B
Allyl chloride	U	0.02 mg/L	0.02	SW846-8260B
Benzene	U	0.005 mg/L	0.005	SW846-8260B
Bromochloromethane	U	0.005 mg/L	0.005	SW846-8260B
Bromodichloromethane	U	0.005 mg/L	0.005	SW846-8260B
Bromoform	U	0.005 mg/L	0.005	SW846-8260B
Bromomethane	U	0.01 mg/L	0.01	SW846-8260B
Carbon disulfide	J	0.002 mg/L	0.005	SW846-8260B
Carbon tetrachloride	U	0.005 mg/L	0.005	SW846-8260B
Chlorobenzene	U	0.005 mg/L	0.005	SW846-8260B
Chloroethane	U	0.01 mg/L	0.01	SW846-8260B
Chloromethane	U	0.01 mg/L	0.01	SW846-8260B
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260B
cis-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260B
Dibromochloromethane	U	0.005 mg/L	0.005	SW846-8260B
Dibromomethane	U	0.01 mg/L	0.01	SW846-8260B
Dichlorodifluoromethane	U	0.01 mg/L	0.01	SW846-8260B
Ethanol	U	5 mg/L	5	SW846-8015B
Ethyl cyanide	U	0.05 mg/L	0.05	SW846-8260B
Ethyl methacrylate	U	0.01 mg/L	0.01	SW846-8260B
Ethylbenzene	J	0.001 mg/L	0.005	SW846-8260B
Iodomethane	U	0.01 mg/L	0.01	SW846-8260B
Isobutanol	U	0.1 mg/L	0.1	SW846-8260B
Methacrylonitrile	U	0.02 mg/L	0.02	SW846-8260B
Methyl methacrylate	U	0.01 mg/L	0.01	SW846-8260B
Methylene chloride	U	0.005 mg/L	0.005	SW846-8260B
Styrene	U	0.005 mg/L	0.005	SW846-8260B
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260B
Toluene	U	0.005 mg/L	0.005	SW846-8260B
Total Xylene	J	0.005 mg/L	0.005	SW846-8260B
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260B
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260B
Trans-1,4-Dichloro-2-butene	U	0.02 mg/L	0.02	SW846-8260B
Trichloroethene	U	0.005 mg/L	0.005	SW846-8260B
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260B
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260B
<b>WETCHEM</b>				
Bicarbonate as CaCO3	J	217 mg/L	10	SM-2320 B 17
Chemical Oxygen Demand (COD)		48 mg/L	35	EPA-410.4 1978
Cyanide	NUX	0.02 mg/L	0.02	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Sulfide		1.8 mg/L	1	EPA-376.1
Total Organic Carbon (TOC)	X	28 mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.313 mg/L	0.05	SW846-9020B
Turbidity		75 NTU	0.5	EPA-180.1 1978

**MW384**

**SG02-05**

**C-746-S&T MW Abandonment and Replacement - Event 1 SG02-05**

**MW384DSG5-02**

Collected: 8/13/2002

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		50.8	mg/L		2	SW846-9056
Fluoride		1.8	mg/L		1	SW846-9056
Sulfate		15.6	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.65	Inches/Hg			
Conductivity		1351	umho/cm			
Depth to Water		37.86	ft			
Dissolved Oxygen		0.29	mg/L			
pH		6.8	Std Unit			
Temperature		68.3	deg F			
<b>HERB</b>						
2,4,5-T	U	0.0005	mg/L		0.0005	SW846-8151A
2,4-D	U	0.001	mg/L		0.001	SW846-8151A
Dinoseb	U	1.2	mg/L		1.2	SW846-8270C
Silvex	U	0.0005	mg/L		0.0005	SW846-8151A
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Arsenic	W	0.008	mg/L		0.005	SW846-7060
Barium		0.191	mg/L		0.025	SW846-6010A
Beryllium	U	0.005	mg/L		0.005	SW846-6010A
Boron	U	2	mg/L		2	SW846-6010A
Cadmium	UW	0.005	mg/L		0.005	SW846-7131
Calcium		31	mg/L		2	SW846-6010A
Chromium	U	0.025	mg/L		0.025	SW846-6010A
Cobalt	U	0.025	mg/L		0.025	SW846-6010A
Copper	U	0.05	mg/L		0.05	SW846-6010A
Iron		4.42	mg/L		0.2	SW846-6010A
Magnesium		11	mg/L		0.025	SW846-6010A
Manganese		2.44	mg/L		0.025	SW846-6010A
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	U	0.025	mg/L		0.025	SW846-6010A
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Potassium	U	2	mg/L		2	SW846-6010A
Rhodium	U	0.2	mg/L		0.2	SW846-6010A
Selenium	U	0.01	mg/L		0.01	SW846-7740
Silver	BU	0.025	mg/L		0.025	SW846-6010A
Sodium		105	mg/L		2	SW846-6010A
Tantalum	NU	0.2	mg/L		0.2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Tin	U	1	mg/L		1	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.025	mg/L		0.025	SW846-6010A
Zinc	U	0.1	mg/L		0.1	SW846-6010A
<b>METAL-D</b>						
Arsenic, Dissolved		0.008	mg/L		0.005	SW846-7060
Barium, Dissolved		0.156	mg/L		0.025	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		425	mg/L		100	EPA-160.2

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PPCB					
4,4'-DDD	U	0.0001	mg/L	0.0001	SW846-8081A
4,4'-DDE	U	0.0001	mg/L	0.0001	SW846-8081A
4,4'-DDT	U	0.0001	mg/L	0.0001	SW846-8081A
Aldrin	U	0.00005	mg/L	5E-05	SW846-8081A
alpha-BHC	U	0.00005	mg/L	5E-05	SW846-8081A
alpha-Chlordane	U	0.00005	mg/L	5E-05	SW846-8081A
beta-BHC	U	0.00005	mg/L	5E-05	SW846-8081A
delta-BHC	U	0.00005	mg/L	5E-05	SW846-8081A
Dieldrin	U	0.0001	mg/L	0.0001	SW846-8081A
Disulfoton	U	0.0005	mg/L	0.0005	SW846-8141
Endosulfan I	U	0.00005	mg/L	5E-05	SW846-8081A
Endosulfan II	U	0.0001	mg/L	0.0001	SW846-8081A
Endosulfan sulfate	U	0.0001	mg/L	0.0001	SW846-8081A
Endrin	U	0.0001	mg/L	0.0001	SW846-8081A
Endrin aldehyde	U	0.0001	mg/L	0.0001	SW846-8081A
Famphur	U	0.0012	mg/L	0.0012	SW846-8141
gamma-Chlordane	U	0.00005	mg/L	5E-05	SW846-8081A
Heptachlor	U	0.00005	mg/L	5E-05	SW846-8081A
Heptachlor epoxide	U	0.00005	mg/L	5E-05	SW846-8081A
Isodrin	U	0.0001	mg/L	0.0001	SW846-8081A
Kepone	U	0.0005	mg/L	0.0005	SW846-8081A
Lindane	U	0.00005	mg/L	5E-05	SW846-8081A
Methoxychlor	U	0.0005	mg/L	0.0005	SW846-8081A
Methyl parathion	U	0.0005	mg/L	0.0005	SW846-8141
Parathion	U	0.0005	mg/L	0.0005	SW846-8141
PCB-1016	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1221	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1232	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1242	U	0.00011	mg/L	0.0001	SW846-8082
PCB-1248	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1254	U	0.00013	mg/L	0.0001	SW846-8082
PCB-1260	U	0.00009	mg/L	9E-05	SW846-8082
PCB-1268	U	0.00009	mg/L	9E-05	SW846-8082
Phorate	U	0.0005	mg/L	0.0005	SW846-8141
Polychlorinated biphenyl	U	0.00017	mg/L	0.0002	SW846-8082
Sulfotepp	U	0.0005	mg/L	0.0005	SW846-8141
Thionazin	U	0.0005	mg/L	0.0005	SW846-8141
Toxaphene	U	0.005	mg/L	0.005	SW846-8081A
RADS					
Alpha activity	U	9.76	pCi/L	3.01	12.2 EPA-900.0
Beta activity		125	pCi/L	8.53	6.88 EPA-900.0
Strontium-90	U	4.73	pCi/L	1.33	17.4 RL-7145
Technetium-99		122	pCi/L	20.4	18.8 RL-7100
Tritium	U	-10.9	pCi/L	156	261 704R5
SVOA					
1,2,4,5-Tetrachlorobenzene	U	0.25	mg/L	0.25	SW846-8270C
1,2,4-Trichlorobenzene	U	0.25	mg/L	0.25	SW846-8270C
1,3,5-Trinitrobenzene	U	0.25	mg/L	0.25	SW846-8270C
1,3-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260B
1,3-Dinitrobenzene	U	0.25	mg/L	0.25	SW846-8270C
1,4-Dioxane	U	0.25	mg/L	0.25	SW846-8270C
1,4-Naphthoquinone	U	0.25	mg/L	0.25	SW846-8270C
1-Naphthalenamine	U	0.25	mg/L	0.25	SW846-8270C
2,3,4,6-Tetrachlorophenol	U	0.25	mg/L	0.25	SW846-8270C



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2,4,5-Trichlorophenol	U	0.62 mg/L	0.62	SW846-8270C
2,4,6-Trichlorophenol	U	0.25 mg/L	0.25	SW846-8270C
2,4-Dichlorophenol	U	0.25 mg/L	0.25	SW846-8270C
2,4-Dimethylphenol	U	0.25 mg/L	0.25	SW846-8270C
2,4-Dinitrophenol	U	0.62 mg/L	0.62	SW846-8270C
2,4-Dinitrotoluene	U	0.25 mg/L	0.25	SW846-8270C
2,6-Dichlorophenol	U	0.25 mg/L	0.25	SW846-8270C
2,6-Dinitrotoluene	U	0.25 mg/L	0.25	SW846-8270C
2-Acetylaminofluorene	U	0.25 mg/L	0.25	SW846-8270C
2-Chloronaphthalene	U	0.25 mg/L	0.25	SW846-8270C
2-Chlorophenol	U	0.25 mg/L	0.25	SW846-8270C
2-Methyl-4,6-dinitrophenol	U	0.62 mg/L	0.62	SW846-8270C
2-Methylnaphthalene	U	0.25 mg/L	0.25	SW846-8270C
2-Methylphenol	U	0.25 mg/L	0.25	SW846-8270C
2-Nitrobenzenamine	U	0.62 mg/L	0.62	SW846-8270C
2-Nitrophenol	U	0.25 mg/L	0.25	SW846-8270C
3,3'-Dichlorobenzidine	U	0.25 mg/L	0.25	SW846-8270C
3,3'-Dimethylbenzidine	U	0.25 mg/L	0.25	SW846-8270C
3-Methylcholanthrene	U	0.25 mg/L	0.25	SW846-8270C
3-Methylphenol		1.4 mg/L	0.25	SW846-8270C
3-Nitrobenzenamine	U	0.62 mg/L	0.62	SW846-8270C
4-Aminobiphenyl	U	0.25 mg/L	0.25	SW846-8270C
4-Bromophenyl phenyl ether	U	0.25 mg/L	0.25	SW846-8270C
4-Chloro-3-methylphenol	U	0.25 mg/L	0.25	SW846-8270C
4-Chlorobenzenamine	U	0.25 mg/L	0.25	SW846-8270C
4-Chlorophenyl phenyl ether	U	0.25 mg/L	0.25	SW846-8270C
4-Nitrobenzenamine	U	0.62 mg/L	0.62	SW846-8270C
4-Nitrophenol	U	0.62 mg/L	0.62	SW846-8270C
5-(2-Propenyl)-1,3-benzodioxole (Safr	U	0.25 mg/L	0.25	SW846-8270C
5-Nitro-o-toluidine	U	0.25 mg/L	0.25	SW846-8270C
7,12-Dimethylbenz(a)anthracene	U	0.25 mg/L	0.25	SW846-8270C
Acenaphthene	U	0.25 mg/L	0.25	SW846-8270C
Acenaphthylene	U	0.25 mg/L	0.25	SW846-8270C
Acetophenone	U	0.25 mg/L	0.25	SW846-8270C
Anthracene	U	0.25 mg/L	0.25	SW846-8270C
Benz(a)anthracene	U	0.25 mg/L	0.25	SW846-8270C
Benzenemethanol	U	0.25 mg/L	0.25	SW846-8270C
Benzo(a)pyrene	U	0.25 mg/L	0.25	SW846-8270C
Benzo(b)fluoranthene	U	0.25 mg/L	0.25	SW846-8270C
Benzo(ghi)perylene	U	0.25 mg/L	0.25	SW846-8270C
Benzo(k)fluoranthene	U	0.25 mg/L	0.25	SW846-8270C
Bis(2-chloroethoxy)methane	U	0.25 mg/L	0.25	SW846-8270C
Bis(2-chloroethyl) ether	U	0.25 mg/L	0.25	SW846-8270C
Bis(2-chloroisopropyl) ether	U	0.25 mg/L	0.25	SW846-8270C
Bis(2-ethylhexyl)phthalate	U	0.25 mg/L	0.25	SW846-8270C
Butyl benzyl phthalate	U	0.25 mg/L	0.25	SW846-8270C
Chlorobenzilate	U	0.25 mg/L	0.25	SW846-8270C
Diallate	U	0.25 mg/L	0.25	SW846-8270C
Dibenz(a,h)anthracene	U	0.25 mg/L	0.25	SW846-8270C
Diethyl phthalate	U	0.25 mg/L	0.25	SW846-8270C
Dimethoate	U	0.0005 mg/L	0.0005	SW846-8141
Dimethyl phthalate	U	0.25 mg/L	0.25	SW846-8270C
Di-n-butyl phthalate	U	0.25 mg/L	0.25	SW846-8270C
Ethyl methanesulfonate	U	0.25 mg/L	0.25	SW846-8270C
Fluoranthene	U	0.25 mg/L	0.25	SW846-8270C

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Fluorene	U	0.25	mg/L	0.25	SW846-8270C
Hexachloro-1-propene	U	0.25	mg/L	0.25	SW846-8270C
Hexachlorobenzene	U	0.25	mg/L	0.25	SW846-8270C
Hexachlorobutadiene	U	0.25	mg/L	0.25	SW846-8270C
Hexachlorocyclopentadiene	U	0.25	mg/L	0.25	SW846-8270C
Hexachloroethane	U	0.25	mg/L	0.25	SW846-8270C
Indeno(1,2,3-cd)pyrene	U	0.25	mg/L	0.25	SW846-8270C
Isodrin	U	0.25	mg/L	0.25	SW846-8270C
Isophorone	U	0.25	mg/L	0.25	SW846-8270C
Isosafrole	U	0.25	mg/L	0.25	SW846-8270C
Methapyrilene	U	0.25	mg/L	0.25	SW846-8270C
Methyl methanesulfonate	U	0.25	mg/L	0.25	SW846-8270C
Nitrobenzene	U	0.25	mg/L	0.25	SW846-8270C
N-Nitrosodiethylamine	U	0.25	mg/L	0.25	SW846-8270C
N-Nitrosodimethylamine	U	0.25	mg/L	0.25	SW846-8270C
N-Nitroso-di-n-butylamine	U	0.25	mg/L	0.25	SW846-8270C
N-Nitroso-di-n-propylamine	U	0.25	mg/L	0.25	SW846-8270C
N-Nitrosodiphenylamine	U	0.25	mg/L	0.25	SW846-8270C
N-Nitrosomethylethylamine	U	0.25	mg/L	0.25	SW846-8270C
N-Nitrosopiperidine	U	1.2	mg/L	1.2	SW846-8270C
N-Nitrosopyrrolidine	U	0.25	mg/L	0.25	SW846-8270C
O,O,O-Triethylphosphorothioate	U	0.0005	mg/L	0.0005	SW846-8141
o-Toluidine	U	0.25	mg/L	0.25	SW846-8270C
p-Dimethylaminoazobenzene	U	0.25	mg/L	0.25	SW846-8270C
Pentachlorobenzene	U	0.25	mg/L	0.25	SW846-8270C
Pentachloroethane	U	0.25	mg/L	0.25	SW846-8270C
Pentachloronitrobenzene	U	1.2	mg/L	1.2	SW846-8270C
Pentachlorophenol	U	0.62	mg/L	0.62	SW846-8270C
Phenacetin	U	0.25	mg/L	0.25	SW846-8270C
Phenanthrene	U	0.25	mg/L	0.25	SW846-8270C
Phenol	U	0.25	mg/L	0.25	SW846-8270C
p-Phenylenediamine	U	0.25	mg/L	0.25	SW846-8270C
Pronamide	U	0.25	mg/L	0.25	SW846-8270C
Pyrene	U	0.25	mg/L	0.25	SW846-8270C

## VOA

1,1,1,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260B
1,1,1-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260B
1,1,1,2,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260B
1,1,2-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260B
1,1-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260B
1,1-Dichloropropene	U	0.01	mg/L	0.01	SW846-8260B
1,2,3-Trichloropropane	U	0.01	mg/L	0.01	SW846-8260B
1,2-Dibromo-3-chloropropane	U	0.02	mg/L	0.02	SW846-8260B
1,2-Dibromoethane	U	0.02	mg/L	0.02	SW846-8260B
1,2-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260B
1,2-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260B
1,2-Dichloropropane	U	0.005	mg/L	0.005	SW846-8260B
1,2-Dimethylbenzene	U	0.005	mg/L	0.005	SW846-8260B
1,3-Dichloropropane	U	0.01	mg/L	0.01	SW846-8260B
1,3-Dimethylbenzene	J	0.005	mg/L	0.005	SW846-8260B
1,4-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260B
2,2-Dichloropropane	U	0.01	mg/L	0.01	SW846-8260B
2-Butanone	J	0.004	mg/L	0.05	SW846-8260B
2-Chloro-1,3-butadiene	U	0.01	mg/L	0.01	SW846-8260B
2-Chloroethyl vinyl ether	U	0.01	mg/L	0.01	SW846-8260B

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2-Hexanone	U	0.01 mg/L	0.01	SW846-8260B
2-Naphthalenamine	U	0.25 mg/L	0.25	SW846-8270C
4-Methyl-2-pentanone	U	0.01 mg/L	0.01	SW846-8260B
Acetone	B	0.17 mg/L	0.01	SW846-8260B
Acetonitrile	U	0.02 mg/L	0.02	SW846-8260B
Acrolein	U	0.01 mg/L	0.01	SW846-8260B
Acrylonitrile	U	0.01 mg/L	0.01	SW846-8260B
Allyl chloride	U	0.02 mg/L	0.02	SW846-8260B
Benzene	U	0.005 mg/L	0.005	SW846-8260B
Bromochloromethane	U	0.005 mg/L	0.005	SW846-8260B
Bromodichloromethane	U	0.005 mg/L	0.005	SW846-8260B
Bromoform	U	0.005 mg/L	0.005	SW846-8260B
Bromomethane	U	0.01 mg/L	0.01	SW846-8260B
Carbon disulfide	U	0.005 mg/L	0.005	SW846-8260B
Carbon tetrachloride	U	0.005 mg/L	0.005	SW846-8260B
Chlorobenzene	U	0.005 mg/L	0.005	SW846-8260B
Chloroethane	U	0.01 mg/L	0.01	SW846-8260B
Chloromethane	U	0.01 mg/L	0.01	SW846-8260B
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260B
cis-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260B
Dibromochloromethane	U	0.005 mg/L	0.005	SW846-8260B
Dibromomethane	U	0.01 mg/L	0.01	SW846-8260B
Dichlorodifluoromethane	U	0.01 mg/L	0.01	SW846-8260B
Ethanol	U	5 mg/L	5	SW846-8015B
Ethyl cyanide	U	0.05 mg/L	0.05	SW846-8260B
Ethyl methacrylate	U	0.01 mg/L	0.01	SW846-8260B
Ethylbenzene	J	0.001 mg/L	0.005	SW846-8260B
Iodomethane	U	0.01 mg/L	0.01	SW846-8260B
Isobutanol	U	0.1 mg/L	0.1	SW846-8260B
Methacrylonitrile	U	0.02 mg/L	0.02	SW846-8260B
Methyl methacrylate	U	0.01 mg/L	0.01	SW846-8260B
Methylene chloride	U	0.005 mg/L	0.005	SW846-8260B
Styrene	U	0.005 mg/L	0.005	SW846-8260B
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260B
Toluene	U	0.005 mg/L	0.005	SW846-8260B
Total Xylene	J	0.005 mg/L	0.005	SW846-8260B
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260B
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260B
Trans-1,4-Dichloro-2-butene	U	0.02 mg/L	0.02	SW846-8260B
Trichloroethene	U	0.005 mg/L	0.005	SW846-8260B
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260B
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260B
<b>WETCHEM</b>				
Bicarbonate as CaCO3	J	206 mg/L	10	SM-2320 B 17
Chemical Oxygen Demand (COD)		49 mg/L	35	EPA-410.4 1978
Cyanide	NUX	0.02 mg/L	0.02	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Sulfide		3.5 mg/L	1	EPA-376.1
Total Organic Carbon (TOC)	X	31.2 mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.36 mg/L	0.05	SW846-9020B
Turbidity		70 NTU	0.5	EPA-180.1 1978

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MW385

SG02-05

C-746-S&T MW Abandonment and Replacement - Event 1 SG02-05

MW385SG5-02

Collected: 8/14/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		29.1	mg/L		2	SW846-9056
Fluoride	U	1	mg/L		1	SW846-9056
Sulfate		28.1	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.56	Inches/Hg			
Conductivity		413	umho/cm			
Depth to Water		38.28	ft			
Dissolved Oxygen		1.36	mg/L			
pH		6.6	Std Unit			
Redox		145	mV			
Temperature		63.3	deg F			
<b>HERB</b>						
2,4,5-T	U	0.0005	mg/L		0.0005	SW846-8151A
2,4-D	U	0.001	mg/L		0.001	SW846-8151A
Dinoseb	U	0.05	mg/L		0.05	SW846-8270C
Silvex	U	0.0005	mg/L		0.0005	SW846-8151A
<b>METAL</b>						
Aluminum		0.37	mg/L		0.2	SW846-6010A
Barium		0.14	mg/L		0.025	SW846-6010A
Beryllium	U	0.005	mg/L		0.005	SW846-6010A
Boron	U	2	mg/L		2	SW846-6010A
Cadmium	UW	0.005	mg/L		0.005	SW846-7131
Calcium		37.6	mg/L		2	SW846-6010A
Chromium	U	0.025	mg/L		0.025	SW846-6010A
Cobalt	U	0.025	mg/L		0.025	SW846-6010A
Copper	U	0.05	mg/L		0.05	SW846-6010A
Iron		0.442	mg/L		0.2	SW846-6010A
Magnesium		7.4	mg/L		0.025	SW846-6010A
Manganese		0.076	mg/L		0.025	SW846-6010A
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	U	0.025	mg/L		0.025	SW846-6010A
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Potassium		2.6	mg/L		2	SW846-6010A
Rhodium	U	0.2	mg/L		0.2	SW846-6010A
Selenium	U	0.01	mg/L		0.01	SW846-7740
Silver	BU	0.025	mg/L		0.025	SW846-6010A
Sodium		35.4	mg/L		2	SW846-6010A
Tantalum	NU	0.2	mg/L		0.2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Tin	U	1	mg/L		1	SW846-6010A
Uranium	*U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.025	mg/L		0.025	SW846-6010A
Zinc	U	0.1	mg/L		0.1	SW846-6010A
<b>METAL-D</b>						
Barium, Dissolved		0.127	mg/L		0.025	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		283	mg/L		100	EPA-160.2
<b>PPCB</b>						

## MW385

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## C-746-S&amp;T MW Abandonment and Replacement - Event 1 SG02-05

4,4'-DDD	U	0.0001	mg/L	0.0001	SW846-8081A
4,4'-DDE	U	0.0001	mg/L	0.0001	SW846-8081A
4,4'-DDT	U	0.0001	mg/L	0.0001	SW846-8081A
Aldrin	U	0.00005	mg/L	5E-05	SW846-8081A
alpha-BHC	U	0.00005	mg/L	5E-05	SW846-8081A
alpha-Chlordane	U	0.00005	mg/L	5E-05	SW846-8081A
beta-BHC	U	0.00005	mg/L	5E-05	SW846-8081A
delta-BHC	U	0.00005	mg/L	5E-05	SW846-8081A
Dieldrin	U	0.0001	mg/L	0.0001	SW846-8081A
Disulfoton	U	0.0005	mg/L	0.0005	SW846-8141
Endosulfan I	U	0.00005	mg/L	5E-05	SW846-8081A
Endosulfan II	U	0.0001	mg/L	0.0001	SW846-8081A
Endosulfan sulfate	U	0.0001	mg/L	0.0001	SW846-8081A
Endrin	U	0.0001	mg/L	0.0001	SW846-8081A
Endrin aldehyde	U	0.0001	mg/L	0.0001	SW846-8081A
Famphur	U	0.0012	mg/L	0.0012	SW846-8141
gamma-Chlordane	U	0.00005	mg/L	5E-05	SW846-8081A
Heptachlor	U	0.00005	mg/L	5E-05	SW846-8081A
Heptachlor epoxide	U	0.00005	mg/L	5E-05	SW846-8081A
Isodrin	U	0.0001	mg/L	0.0001	SW846-8081A
Kepone	U	0.0005	mg/L	0.0005	SW846-8081A
Lindane	U	0.00005	mg/L	5E-05	SW846-8081A
Methoxychlor	U	0.0005	mg/L	0.0005	SW846-8081A
Methyl parathion	U	0.0005	mg/L	0.0005	SW846-8141
Parathion	U	0.0005	mg/L	0.0005	SW846-8141
PCB-1016	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1221	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1232	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1242	U	0.00011	mg/L	0.0001	SW846-8082
PCB-1248	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1254	U	0.00013	mg/L	0.0001	SW846-8082
PCB-1260	U	0.00009	mg/L	9E-05	SW846-8082
PCB-1268	U	0.00009	mg/L	9E-05	SW846-8082
Phorate	U	0.0005	mg/L	0.0005	SW846-8141
Polychlorinated biphenyl	U	0.00017	mg/L	0.0002	SW846-8082
Sulfotepp	U	0.0005	mg/L	0.0005	SW846-8141
Thionazin	U	0.0005	mg/L	0.0005	SW846-8141
Toxaphene	U	0.005	mg/L	0.005	SW846-8081A

## RADS

Alpha activity	U	6.15	pCi/L	2.08	8.42	EPA-900.0
Beta activity		77	pCi/L	6.13	6.01	EPA-900.0
Strontium-90	U	7.94	pCi/L	1.76	14.3	RL-7145
Technetium-99		112	pCi/L	20.1	18.8	RL-7100
Tritium	U	-52.2	pCi/L	155	261	704R5

## SVOA

1,2,4,5-Tetrachlorobenzene	U	0.01	mg/L	0.01	SW846-8270C
1,2,4-Trichlorobenzene	U	0.01	mg/L	0.01	SW846-8270C
1,3,5-Trinitrobenzene	U	0.01	mg/L	0.01	SW846-8270C
1,3-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260B
1,3-Dinitrobenzene	U	0.01	mg/L	0.01	SW846-8270C
1,4-Dioxane	U	0.01	mg/L	0.01	SW846-8270C
1,4-Naphthoquinone	U	0.01	mg/L	0.01	SW846-8270C
1-Naphthalenamine	U	0.01	mg/L	0.01	SW846-8270C
2,3,4,6-Tetrachlorophenol	U	0.01	mg/L	0.01	SW846-8270C
2,4,5-Trichlorophenol	U	0.025	mg/L	0.025	SW846-8270C

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2,4,6-Trichlorophenol	U	0.01	mg/L	0.01	SW846-8270C
2,4-Dichlorophenol	U	0.01	mg/L	0.01	SW846-8270C
2,4-Dimethylphenol	U	0.01	mg/L	0.01	SW846-8270C
2,4-Dinitrophenol	U	0.025	mg/L	0.025	SW846-8270C
2,4-Dinitrotoluene	U	0.01	mg/L	0.01	SW846-8270C
2,6-Dichlorophenol	U	0.01	mg/L	0.01	SW846-8270C
2,6-Dinitrotoluene	U	0.01	mg/L	0.01	SW846-8270C
2-Acetylaminofluorene	U	0.01	mg/L	0.01	SW846-8270C
2-Chloronaphthalene	U	0.01	mg/L	0.01	SW846-8270C
2-Chlorophenol	U	0.01	mg/L	0.01	SW846-8270C
2-Methyl-4,6-dinitrophenol	U	0.025	mg/L	0.025	SW846-8270C
2-Methylnaphthalene	U	0.01	mg/L	0.01	SW846-8270C
2-Methylphenol	U	0.01	mg/L	0.01	SW846-8270C
2-Nitrobenzenamine	U	0.025	mg/L	0.025	SW846-8270C
2-Nitrophenol	U	0.01	mg/L	0.01	SW846-8270C
3,3'-Dichlorobenzidine	U	0.01	mg/L	0.01	SW846-8270C
3,3'-Dimethylbenzidine	U	0.01	mg/L	0.01	SW846-8270C
3-Methylcholanthrene	U	0.01	mg/L	0.01	SW846-8270C
3-Methylphenol	U	0.01	mg/L	0.01	SW846-8270C
3-Nitrobenzenamine	U	0.025	mg/L	0.025	SW846-8270C
4-Aminobiphenyl	U	0.01	mg/L	0.01	SW846-8270C
4-Bromophenyl phenyl ether	U	0.01	mg/L	0.01	SW846-8270C
4-Chloro-3-methylphenol	U	0.01	mg/L	0.01	SW846-8270C
4-Chlorobenzenamine	U	0.01	mg/L	0.01	SW846-8270C
4-Chlorophenyl phenyl ether	U	0.01	mg/L	0.01	SW846-8270C
4-Nitrobenzenamine	U	0.025	mg/L	0.025	SW846-8270C
4-Nitrophenol	U	0.025	mg/L	0.025	SW846-8270C
5-(2-Propenyl)-1,3-benzodioxole (Safr	U	0.01	mg/L	0.01	SW846-8270C
5-Nitro-o-toluidine	U	0.01	mg/L	0.01	SW846-8270C
7,12-Dimethylbenz(a)anthracene	U	0.01	mg/L	0.01	SW846-8270C
Acenaphthene	U	0.01	mg/L	0.01	SW846-8270C
Acenaphthylene	U	0.01	mg/L	0.01	SW846-8270C
Acetophenone	U	0.01	mg/L	0.01	SW846-8270C
Anthracene	U	0.01	mg/L	0.01	SW846-8270C
Benz(a)anthracene	U	0.01	mg/L	0.01	SW846-8270C
Benzenemethanol	U	0.01	mg/L	0.01	SW846-8270C
Benzo(a)pyrene	U	0.01	mg/L	0.01	SW846-8270C
Benzo(b)fluoranthene	U	0.01	mg/L	0.01	SW846-8270C
Benzo(ghi)perylene	U	0.01	mg/L	0.01	SW846-8270C
Benzo(k)fluoranthene	U	0.01	mg/L	0.01	SW846-8270C
Bis(2-chloroethoxy)methane	U	0.01	mg/L	0.01	SW846-8270C
Bis(2-chloroethyl) ether	U	0.01	mg/L	0.01	SW846-8270C
Bis(2-chloroisopropyl) ether	U	0.01	mg/L	0.01	SW846-8270C
Bis(2-ethylhexyl)phthalate	J	0.002	mg/L	0.01	SW846-8270C
Butyl benzyl phthalate	U	0.01	mg/L	0.01	SW846-8270C
Chlorobenzilate	U	0.01	mg/L	0.01	SW846-8270C
Chrysene	U	0.01	mg/L	0.01	SW846-8270C
Diallate	U	0.01	mg/L	0.01	SW846-8270C
Dibenz(a,h)anthracene	U	0.01	mg/L	0.01	SW846-8270C
Dibenzofuran	U	0.01	mg/L	0.01	SW846-8270C
Diethyl phthalate	U	0.01	mg/L	0.01	SW846-8270C
Dimethoate	U	0.0005	mg/L	0.0005	SW846-8141
Dimethyl phthalate	U	0.01	mg/L	0.01	SW846-8270C
Di-n-butyl phthalate	B	0.01	mg/L	0.01	SW846-8270C
Di-n-octylphthalate	U	0.01	mg/L	0.01	SW846-8270C

**MW385****SG02-05****C-746-S&T MW Abandonment and Replacement - Event 1 SG02-05**

Ethyl methanesulfonate	U	0.01	mg/L	0.01	SW846-8270C
Fluoranthene	U	0.01	mg/L	0.01	SW846-8270C
Fluorene	U	0.01	mg/L	0.01	SW846-8270C
Hexachloro-1-propene	U	0.01	mg/L	0.01	SW846-8270C
Hexachlorobenzene	U	0.01	mg/L	0.01	SW846-8270C
Hexachlorobutadiene	U	0.01	mg/L	0.01	SW846-8270C
Hexachlorocyclopentadiene	U	0.01	mg/L	0.01	SW846-8270C
Hexachloroethane	U	0.01	mg/L	0.01	SW846-8270C
Indeno(1,2,3-cd)pyrene	U	0.01	mg/L	0.01	SW846-8270C
Isodrin	U	0.01	mg/L	0.01	SW846-8270C
Isophorone	U	0.01	mg/L	0.01	SW846-8270C
Isosafrole	U	0.01	mg/L	0.01	SW846-8270C
Methapyrilene	U	0.01	mg/L	0.01	SW846-8270C
Methyl methanesulfonate	U	0.01	mg/L	0.01	SW846-8270C
Naphthalene	U	0.01	mg/L	0.01	SW846-8270C
Nitrobenzene	U	0.01	mg/L	0.01	SW846-8270C
N-Nitrosodiethylamine	U	0.01	mg/L	0.01	SW846-8270C
N-Nitrosodimethylamine	U	0.01	mg/L	0.01	SW846-8270C
N-Nitroso-di-n-butylamine	U	0.01	mg/L	0.01	SW846-8270C
N-Nitroso-di-n-propylamine	U	0.01	mg/L	0.01	SW846-8270C
N-Nitrosodiphenylamine	U	0.01	mg/L	0.01	SW846-8270C
N-Nitrosomethylethylamine	U	0.01	mg/L	0.01	SW846-8270C
N-Nitrosopiperidine	U	0.05	mg/L	0.05	SW846-8270C
N-Nitrosopyrrolidine	U	0.01	mg/L	0.01	SW846-8270C
O,O,O-Triethylphosphorothioate	U	0.0005	mg/L	0.0005	SW846-8141
o-Toluidine	U	0.01	mg/L	0.01	SW846-8270C
p-Dimethylaminoazobenzene	U	0.01	mg/L	0.01	SW846-8270C
Pentachlorobenzene	U	0.01	mg/L	0.01	SW846-8270C
Pentachloroethane	U	0.01	mg/L	0.01	SW846-8270C
Pentachloronitrobenzene	U	0.05	mg/L	0.05	SW846-8270C
Pentachlorophenol	U	0.025	mg/L	0.025	SW846-8270C
Phenacetin	U	0.01	mg/L	0.01	SW846-8270C
Phenanthrene	U	0.01	mg/L	0.01	SW846-8270C
Phenol	U	0.01	mg/L	0.01	SW846-8270C
p-Phenylenediamine	U	0.01	mg/L	0.01	SW846-8270C
Pronamide	U	0.01	mg/L	0.01	SW846-8270C
Pyrene	U	0.01	mg/L	0.01	SW846-8270C

**VOA**

1,1,1,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260B
1,1,1-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260B
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260B
1,1,2-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260B
1,1-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260B
1,1-Dichloropropene	U	0.01	mg/L	0.01	SW846-8260B
1,2,3-Trichloropropane	U	0.01	mg/L	0.01	SW846-8260B
1,2-Dibromo-3-chloropropane	U	0.02	mg/L	0.02	SW846-8260B
1,2-Dibromoethane	U	0.02	mg/L	0.02	SW846-8260B
1,2-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260B
1,2-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260B
1,2-Dichloropropane	U	0.005	mg/L	0.005	SW846-8260B
1,2-Dimethylbenzene	U	0.005	mg/L	0.005	SW846-8260B
1,3-Dichloropropane	U	0.01	mg/L	0.01	SW846-8260B
1,3-Dimethylbenzene	U	0.005	mg/L	0.005	SW846-8260B
1,4-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260B
2,2-Dichloropropane	U	0.01	mg/L	0.01	SW846-8260B

## MW385

## SG02-05

## C-746-S&amp;T MW Abandonment and Replacement - Event 1 SG02-05

2-Butanone	U	0.05	mg/L	0.05	SW846-8260B
2-Chloro-1,3-butadiene	U	0.01	mg/L	0.01	SW846-8260B
2-Chloroethyl vinyl ether	U	0.01	mg/L	0.01	SW846-8260B
2-Hexanone	U	0.01	mg/L	0.01	SW846-8260B
2-Naphthalenamine	U	0.01	mg/L	0.01	SW846-8270C
4-Methyl-2-pentanone	U	0.01	mg/L	0.01	SW846-8260B
Acetone	U	0.01	mg/L	0.01	SW846-8260B
Acetonitrile	U	0.02	mg/L	0.02	SW846-8260B
Acrolein	U	0.01	mg/L	0.01	SW846-8260B
Acrylonitrile	U	0.01	mg/L	0.01	SW846-8260B
Allyl chloride	U	0.02	mg/L	0.02	SW846-8260B
Benzene	U	0.005	mg/L	0.005	SW846-8260B
Bromochloromethane	U	0.005	mg/L	0.005	SW846-8260B
Bromodichloromethane	U	0.005	mg/L	0.005	SW846-8260B
Bromoform	U	0.005	mg/L	0.005	SW846-8260B
Bromomethane	U	0.01	mg/L	0.01	SW846-8260B
Carbon disulfide	U	0.005	mg/L	0.005	SW846-8260B
Carbon tetrachloride	U	0.005	mg/L	0.005	SW846-8260B
Chlorobenzene	U	0.005	mg/L	0.005	SW846-8260B
Chloroethane	U	0.01	mg/L	0.01	SW846-8260B
Chloromethane	U	0.01	mg/L	0.01	SW846-8260B
cis-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260B
cis-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260B
Dibromochloromethane	U	0.005	mg/L	0.005	SW846-8260B
Dibromomethane	U	0.01	mg/L	0.01	SW846-8260B
Dichlorodifluoromethane	U	0.01	mg/L	0.01	SW846-8260B
Ethanol	U	5	mg/L	5	SW846-8015B
Ethyl cyanide	U	0.05	mg/L	0.05	SW846-8260B
Ethyl methacrylate	U	0.01	mg/L	0.01	SW846-8260B
Ethylbenzene	U	0.005	mg/L	0.005	SW846-8260B
Iodomethane	U	0.01	mg/L	0.01	SW846-8260B
Isobutanol	U	0.1	mg/L	0.1	SW846-8260B
Methacrylonitrile	U	0.02	mg/L	0.02	SW846-8260B
Methyl methacrylate	U	0.01	mg/L	0.01	SW846-8260B
Methylene chloride	U	0.005	mg/L	0.005	SW846-8260B
Styrene	U	0.005	mg/L	0.005	SW846-8260B
Tetrachloroethene	U	0.005	mg/L	0.005	SW846-8260B
Toluene	U	0.005	mg/L	0.005	SW846-8260B
Total Xylene	U	0.005	mg/L	0.005	SW846-8260B
trans-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260B
trans-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260B
Trans-1,4-Dichloro-2-butene	U	0.02	mg/L	0.02	SW846-8260B
Trichloroethene	U	0.005	mg/L	0.005	SW846-8260B
Trichlorofluoromethane	U	0.005	mg/L	0.005	SW846-8260B
Vinyl acetate	U	0.01	mg/L	0.01	SW846-8260B
<b>WETCHEM</b>					
Bicarbonate as CaCO3	J	121	mg/L	10	SM-2320 B 17
Chemical Oxygen Demand (COD)	U	35	mg/L	35	EPA-410.4 1978
Cyanide	NUX	0.02	mg/L	0.02	SW846-9010-A
Iodide	U	2	mg/L	2	EPA-345.1 1974
Sulfide	U	1	mg/L	1	EPA-376.1
Total Organic Carbon (TOC)	JX	2.4	mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.05	mg/L	0.05	SW846-9020B
Turbidity		12	NTU	0.5	EPA-180.1 1978



# Paducah-OREIS Data Report

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**MW386**

**SG02-05**

## C-746-S&T MW Abandonment and Replacement - Event 1 SG02-05

**MW386SG5-02**

Collected: 8/14/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		34.1	mg/L		2	SW846-9056
Fluoride	U	1	mg/L		1	SW846-9056
Sulfate		22.2	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.56	Inches/Hg			
Conductivity		495	umho/cm			
Depth to Water		27.09	ft			
Dissolved Oxygen		1.6	mg/L			
pH		6.2	Std Unit			
Redox		140	mV			
Temperature		63.5	deg F			
<b>HERB</b>						
2,4,5-T	U	0.0005	mg/L		0.0005	SW846-8151A
2,4-D	U	0.001	mg/L		0.001	SW846-8151A
Dinoseb	U	0.05	mg/L		0.05	SW846-8270C
Silvex	U	0.0005	mg/L		0.0005	SW846-8151A
<b>METAL</b>						
Aluminum		1.26	mg/L		0.2	SW846-6010A
Barium		0.034	mg/L		0.025	SW846-6010A
Beryllium	U	0.005	mg/L		0.005	SW846-6010A
Boron	U	2	mg/L		2	SW846-6010A
Cadmium	UW	0.005	mg/L		0.005	SW846-7131
Calcium		14.7	mg/L		2	SW846-6010A
Chromium	U	0.025	mg/L		0.025	SW846-6010A
Cobalt	U	0.025	mg/L		0.025	SW846-6010A
Copper	U	0.05	mg/L		0.05	SW846-6010A
Iron		1.99	mg/L		0.2	SW846-6010A
Magnesium		5.9	mg/L		0.025	SW846-6010A
Manganese		0.109	mg/L		0.025	SW846-6010A
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	U	0.025	mg/L		0.025	SW846-6010A
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Potassium	U	2	mg/L		2	SW846-6010A
Rhodium	U	0.2	mg/L		0.2	SW846-6010A
Selenium	U	0.01	mg/L		0.01	SW846-7740
Silver	BU	0.025	mg/L		0.025	SW846-6010A
Sodium		84.1	mg/L		2	SW846-6010A
Tantalum	NU	0.2	mg/L		0.2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Tin	U	1	mg/L		1	SW846-6010A
Uranium	*U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.025	mg/L		0.025	SW846-6010A
Zinc	U	0.1	mg/L		0.1	SW846-6010A
<b>METAL-D</b>						
Barium, Dissolved	U	0.025	mg/L		0.025	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		319	mg/L		100	EPA-160.2
<b>PPCB</b>						

**MW386****SG02-05****C-746-S&T MW Abandonment and Replacement - Event 1 SG02-05**

4,4'-DDD	U	0.0001	mg/L	0.0001	SW846-8081A
4,4'-DDE	U	0.0001	mg/L	0.0001	SW846-8081A
4,4'-DDT	U	0.0001	mg/L	0.0001	SW846-8081A
Aldrin	U	0.00005	mg/L	5E-05	SW846-8081A
alpha-BHC	U	0.00005	mg/L	5E-05	SW846-8081A
alpha-Chlordane	U	0.00005	mg/L	5E-05	SW846-8081A
beta-BHC	U	0.00005	mg/L	5E-05	SW846-8081A
delta-BHC	U	0.00005	mg/L	5E-05	SW846-8081A
Dieldrin	U	0.0001	mg/L	0.0001	SW846-8081A
Disulfoton	U	0.0005	mg/L	0.0005	SW846-8141
Endosulfan I	U	0.00005	mg/L	5E-05	SW846-8081A
Endosulfan II	U	0.0001	mg/L	0.0001	SW846-8081A
Endosulfan sulfate	U	0.0001	mg/L	0.0001	SW846-8081A
Endrin	U	0.0001	mg/L	0.0001	SW846-8081A
Endrin aldehyde	U	0.0001	mg/L	0.0001	SW846-8081A
Famphur	U	0.0012	mg/L	0.0012	SW846-8141
gamma-Chlordane	U	0.00005	mg/L	5E-05	SW846-8081A
Heptachlor	U	0.00005	mg/L	5E-05	SW846-8081A
Heptachlor epoxide	U	0.00005	mg/L	5E-05	SW846-8081A
Isodrin	U	0.0001	mg/L	0.0001	SW846-8081A
Kepone	U	0.0005	mg/L	0.0005	SW846-8081A
Lindane	U	0.00005	mg/L	5E-05	SW846-8081A
Methoxychlor	U	0.0005	mg/L	0.0005	SW846-8081A
Methyl parathion	U	0.0005	mg/L	0.0005	SW846-8141
Parathion	U	0.0005	mg/L	0.0005	SW846-8141
PCB-1016	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1221	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1232	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1242	U	0.00011	mg/L	0.0001	SW846-8082
PCB-1248	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1254	U	0.00013	mg/L	0.0001	SW846-8082
PCB-1260	U	0.00009	mg/L	9E-05	SW846-8082
PCB-1268	U	0.00009	mg/L	9E-05	SW846-8082
Phorate	U	0.0005	mg/L	0.0005	SW846-8141
Polychlorinated biphenyl	U	0.00017	mg/L	0.0002	SW846-8082
Sulfotepp	U	0.0005	mg/L	0.0005	SW846-8141
Thionazin	U	0.0005	mg/L	0.0005	SW846-8141
Toxaphene	U	0.005	mg/L	0.005	SW846-8081A

**RADS**

Alpha activity	U	1.31	pCi/L	0.758	10.2	EPA-900.0
Beta activity	U	5.03	pCi/L	0.959	6.41	EPA-900.0
Strontium-90	U	4.87	pCi/L	1.16	14.3	RL-7145
Technetium-99	U	7.85	pCi/L	15.8	18.8	RL-7100
Tritium	U	-87	pCi/L	154	261	704R5

**SVOA**

1,2,4,5-Tetrachlorobenzene	U	0.01	mg/L	0.01	SW846-8270C
1,2,4-Trichlorobenzene	U	0.01	mg/L	0.01	SW846-8270C
1,3,5-Trinitrobenzene	U	0.01	mg/L	0.01	SW846-8270C
1,3-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260B
1,3-Dinitrobenzene	U	0.01	mg/L	0.01	SW846-8270C
1,4-Dioxane	U	0.01	mg/L	0.01	SW846-8270C
1,4-Naphthoquinone	U	0.01	mg/L	0.01	SW846-8270C
1-Naphthalenamine	U	0.01	mg/L	0.01	SW846-8270C
2,3,4,6-Tetrachlorophenol	U	0.01	mg/L	0.01	SW846-8270C
2,4,5-Trichlorophenol	U	0.025	mg/L	0.025	SW846-8270C

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## SG02-05

## C-746-S&amp;T MW Abandonment and Replacement - Event 1 SG02-05

2,4,6-Trichlorophenol	U	0.01	mg/L	0.01	SW846-8270C
2,4-Dichlorophenol	U	0.01	mg/L	0.01	SW846-8270C
2,4-Dimethylphenol	U	0.01	mg/L	0.01	SW846-8270C
2,4-Dinitrophenol	U	0.025	mg/L	0.025	SW846-8270C
2,4-Dinitrotoluene	U	0.01	mg/L	0.01	SW846-8270C
2,6-Dichlorophenol	U	0.01	mg/L	0.01	SW846-8270C
2,6-Dinitrotoluene	U	0.01	mg/L	0.01	SW846-8270C
2-Acetylaminofluorene	U	0.01	mg/L	0.01	SW846-8270C
2-Chloronaphthalene	U	0.01	mg/L	0.01	SW846-8270C
2-Chlorophenol	U	0.01	mg/L	0.01	SW846-8270C
2-Methyl-4,6-dinitrophenol	U	0.025	mg/L	0.025	SW846-8270C
2-Methylnaphthalene	U	0.01	mg/L	0.01	SW846-8270C
2-Methylphenol	U	0.01	mg/L	0.01	SW846-8270C
2-Nitrobenzenamine	U	0.025	mg/L	0.025	SW846-8270C
2-Nitrophenol	U	0.01	mg/L	0.01	SW846-8270C
3,3'-Dichlorobenzidine	U	0.01	mg/L	0.01	SW846-8270C
3,3'-Dimethylbenzidine	U	0.01	mg/L	0.01	SW846-8270C
3-Methylcholanthrene	U	0.01	mg/L	0.01	SW846-8270C
3-Methylphenol	U	0.01	mg/L	0.01	SW846-8270C
3-Nitrobenzenamine	U	0.025	mg/L	0.025	SW846-8270C
4-Aminobiphenyl	U	0.01	mg/L	0.01	SW846-8270C
4-Bromophenyl phenyl ether	U	0.01	mg/L	0.01	SW846-8270C
4-Chloro-3-methylphenol	U	0.01	mg/L	0.01	SW846-8270C
4-Chlorobenzenamine	U	0.01	mg/L	0.01	SW846-8270C
4-Chlorophenyl phenyl ether	U	0.01	mg/L	0.01	SW846-8270C
4-Nitrobenzenamine	U	0.025	mg/L	0.025	SW846-8270C
4-Nitrophenol	U	0.025	mg/L	0.025	SW846-8270C
5-(2-Propenyl)-1,3-benzodioxole (Safr	U	0.01	mg/L	0.01	SW846-8270C
5-Nitro-o-toluidine	U	0.01	mg/L	0.01	SW846-8270C
7,12-Dimethylbenz(a)anthracene	U	0.01	mg/L	0.01	SW846-8270C
Acenaphthene	U	0.01	mg/L	0.01	SW846-8270C
Acenaphthylene	U	0.01	mg/L	0.01	SW846-8270C
Acetophenone	U	0.01	mg/L	0.01	SW846-8270C
Anthracene	U	0.01	mg/L	0.01	SW846-8270C
Benz(a)anthracene	U	0.01	mg/L	0.01	SW846-8270C
Benzenemethanol	U	0.01	mg/L	0.01	SW846-8270C
Benzo(a)pyrene	U	0.01	mg/L	0.01	SW846-8270C
Benzo(b)fluoranthene	U	0.01	mg/L	0.01	SW846-8270C
Benzo(ghi)perylene	U	0.01	mg/L	0.01	SW846-8270C
Benzo(k)fluoranthene	U	0.01	mg/L	0.01	SW846-8270C
Bis(2-chloroethoxy)methane	U	0.01	mg/L	0.01	SW846-8270C
Bis(2-chloroethyl) ether	U	0.01	mg/L	0.01	SW846-8270C
Bis(2-chloroisopropyl) ether	U	0.01	mg/L	0.01	SW846-8270C
Bis(2-ethylhexyl)phthalate	J	0.002	mg/L	0.01	SW846-8270C
Butyl benzyl phthalate	U	0.01	mg/L	0.01	SW846-8270C
Chlorobenzilate	U	0.01	mg/L	0.01	SW846-8270C
Chrysene	U	0.01	mg/L	0.01	SW846-8270C
Diallate	U	0.01	mg/L	0.01	SW846-8270C
Dibenz(a,h)anthracene	U	0.01	mg/L	0.01	SW846-8270C
Dibenzofuran	U	0.01	mg/L	0.01	SW846-8270C
Diethyl phthalate	U	0.01	mg/L	0.01	SW846-8270C
Dimethoate	U	0.0005	mg/L	0.0005	SW846-8141
Dimethyl phthalate	U	0.01	mg/L	0.01	SW846-8270C
Di-n-butyl phthalate	B	0.011	mg/L	0.01	SW846-8270C
Di-n-octylphthalate	U	0.01	mg/L	0.01	SW846-8270C

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Ethyl methanesulfonate	U	0.01	mg/L	0.01	SW846-8270C
Fluoranthene	U	0.01	mg/L	0.01	SW846-8270C
Fluorene	U	0.01	mg/L	0.01	SW846-8270C
Hexachloro-1-propene	U	0.01	mg/L	0.01	SW846-8270C
Hexachlorobenzene	U	0.01	mg/L	0.01	SW846-8270C
Hexachlorobutadiene	U	0.01	mg/L	0.01	SW846-8270C
Hexachlorocyclopentadiene	U	0.01	mg/L	0.01	SW846-8270C
Hexachloroethane	U	0.01	mg/L	0.01	SW846-8270C
Indeno(1,2,3-cd)pyrene	U	0.01	mg/L	0.01	SW846-8270C
Isodrin	U	0.01	mg/L	0.01	SW846-8270C
Isophorone	U	0.01	mg/L	0.01	SW846-8270C
Isosafrole	U	0.01	mg/L	0.01	SW846-8270C
Methapyrilene	U	0.01	mg/L	0.01	SW846-8270C
Methyl methanesulfonate	U	0.01	mg/L	0.01	SW846-8270C
Naphthalene	U	0.01	mg/L	0.01	SW846-8270C
Nitrobenzene	U	0.01	mg/L	0.01	SW846-8270C
N-Nitrosodiethylamine	U	0.01	mg/L	0.01	SW846-8270C
N-Nitrosodimethylamine	U	0.01	mg/L	0.01	SW846-8270C
N-Nitroso-di-n-butylamine	U	0.01	mg/L	0.01	SW846-8270C
N-Nitroso-di-n-propylamine	U	0.01	mg/L	0.01	SW846-8270C
N-Nitrosodiphenylamine	U	0.01	mg/L	0.01	SW846-8270C
N-Nitrosomethylethylamine	U	0.01	mg/L	0.01	SW846-8270C
N-Nitrosopiperidine	U	0.05	mg/L	0.05	SW846-8270C
N-Nitrosopyrrolidine	U	0.01	mg/L	0.01	SW846-8270C
O,O,O-Triethylphosphorothioate	U	0.0005	mg/L	0.0005	SW846-8141
o-Toluidine	U	0.01	mg/L	0.01	SW846-8270C
p-Dimethylaminoazobenzene	U	0.01	mg/L	0.01	SW846-8270C
Pentachlorobenzene	U	0.01	mg/L	0.01	SW846-8270C
Pentachloroethane	U	0.01	mg/L	0.01	SW846-8270C
Pentachloronitrobenzene	U	0.05	mg/L	0.05	SW846-8270C
Pentachlorophenol	U	0.025	mg/L	0.025	SW846-8270C
Phenacetin	U	0.01	mg/L	0.01	SW846-8270C
Phenanthrene	U	0.01	mg/L	0.01	SW846-8270C
Phenol	U	0.01	mg/L	0.01	SW846-8270C
p-Phenylenediamine	U	0.01	mg/L	0.01	SW846-8270C
Pronamide	U	0.01	mg/L	0.01	SW846-8270C
Pyrene	U	0.01	mg/L	0.01	SW846-8270C

**VOA**

1,1,1,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260B
1,1,1-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260B
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260B
1,1,2-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260B
1,1-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260B
1,1-Dichloropropene	U	0.01	mg/L	0.01	SW846-8260B
1,2,3-Trichloropropane	U	0.01	mg/L	0.01	SW846-8260B
1,2-Dibromo-3-chloropropane	U	0.02	mg/L	0.02	SW846-8260B
1,2-Dibromoethane	U	0.02	mg/L	0.02	SW846-8260B
1,2-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260B
1,2-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260B
1,2-Dichloropropane	U	0.005	mg/L	0.005	SW846-8260B
1,2-Dimethylbenzene	U	0.005	mg/L	0.005	SW846-8260B
1,3-Dichloropropane	U	0.01	mg/L	0.01	SW846-8260B
1,3-Dimethylbenzene	U	0.005	mg/L	0.005	SW846-8260B
1,4-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260B
2,2-Dichloropropane	U	0.01	mg/L	0.01	SW846-8260B

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2-Butanone	U	0.05	mg/L	0.05	SW846-8260B
2-Chloro-1,3-butadiene	U	0.01	mg/L	0.01	SW846-8260B
2-Chloroethyl vinyl ether	U	0.01	mg/L	0.01	SW846-8260B
2-Hexanone	U	0.01	mg/L	0.01	SW846-8260B
2-Naphthalenamine	U	0.01	mg/L	0.01	SW846-8270C
4-Methyl-2-pentanone	U	0.01	mg/L	0.01	SW846-8260B
Acetone	U	0.01	mg/L	0.01	SW846-8260B
Acetonitrile	U	0.02	mg/L	0.02	SW846-8260B
Acrolein	U	0.01	mg/L	0.01	SW846-8260B
Acrylonitrile	U	0.01	mg/L	0.01	SW846-8260B
Allyl chloride	U	0.02	mg/L	0.02	SW846-8260B
Benzene	U	0.005	mg/L	0.005	SW846-8260B
Bromochloromethane	U	0.005	mg/L	0.005	SW846-8260B
Bromodichloromethane	U	0.005	mg/L	0.005	SW846-8260B
Bromoform	U	0.005	mg/L	0.005	SW846-8260B
Bromomethane	U	0.01	mg/L	0.01	SW846-8260B
Carbon disulfide	U	0.005	mg/L	0.005	SW846-8260B
Carbon tetrachloride	U	0.005	mg/L	0.005	SW846-8260B
Chlorobenzene	U	0.005	mg/L	0.005	SW846-8260B
Chloroethane	U	0.01	mg/L	0.01	SW846-8260B
Chloroform	J	0.003	mg/L	0.005	SW846-8260B
Chloromethane	U	0.01	mg/L	0.01	SW846-8260B
cis-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260B
cis-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260B
Dibromochloromethane	U	0.005	mg/L	0.005	SW846-8260B
Dibromomethane	U	0.01	mg/L	0.01	SW846-8260B
Dichlorodifluoromethane	U	0.01	mg/L	0.01	SW846-8260B
Ethanol	U	5	mg/L	5	SW846-8015B
Ethyl cyanide	U	0.05	mg/L	0.05	SW846-8260B
Ethyl methacrylate	U	0.01	mg/L	0.01	SW846-8260B
Ethylbenzene	U	0.005	mg/L	0.005	SW846-8260B
Iodomethane	U	0.01	mg/L	0.01	SW846-8260B
Isobutanol	U	0.1	mg/L	0.1	SW846-8260B
Methacrylonitrile	U	0.02	mg/L	0.02	SW846-8260B
Methyl methacrylate	U	0.01	mg/L	0.01	SW846-8260B
Methylene chloride	U	0.005	mg/L	0.005	SW846-8260B
Styrene	U	0.005	mg/L	0.005	SW846-8260B
Tetrachloroethene	U	0.005	mg/L	0.005	SW846-8260B
Toluene	U	0.005	mg/L	0.005	SW846-8260B
Total Xylene	U	0.005	mg/L	0.005	SW846-8260B
trans-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260B
trans-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260B
Trans-1,4-Dichloro-2-butene	U	0.02	mg/L	0.02	SW846-8260B
Trichloroethene	U	0.005	mg/L	0.005	SW846-8260B
Trichlorofluoromethane	U	0.005	mg/L	0.005	SW846-8260B
Vinyl acetate	U	0.01	mg/L	0.01	SW846-8260B
<b>WETCHEM</b>					
Bicarbonate as CaCO3	J	121	mg/L	10	SM-2320 B 17
Chemical Oxygen Demand (COD)	U	35	mg/L	35	EPA-410.4 1978
Cyanide	NUX	0.02	mg/L	0.02	SW846-9010-A
Iodide	U	2	mg/L	2	EPA-345.1 1974
Sulfide		1	mg/L	1	EPA-376.1
Total Organic Carbon (TOC)	JX	9.2	mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.081	mg/L	0.05	SW846-9020B
Turbidity		9.4	NTU	0.5	EPA-180.1 1978

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**SG02-05**

**C-746-S&T MW Abandonment and Replacement - Event 1 SG02-05**

**MW387SG5-02**

Collected: 8/14/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		47.5	mg/L		2	SW846-9056
Fluoride	U	1	mg/L		1	SW846-9056
Sulfate		26.6	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.41	Inches/Hg			
Conductivity		460	umho/cm			
Depth to Water		36.1	ft			
Dissolved Oxygen		4.06	mg/L			
pH		5.93	Std Unit			
Redox		85	mV			
Temperature		62.3	deg F			
<b>HERB</b>						
2,4,5-T	U	0.0005	mg/L		0.0005	SW846-8151A
2,4-D	U	0.001	mg/L		0.001	SW846-8151A
Dinoseb	U	0.05	mg/L		0.05	SW846-8270C
Silvex	U	0.0005	mg/L		0.0005	SW846-8151A
<b>METAL</b>						
Aluminum		2.22	mg/L		0.2	SW846-6010A
Barium		0.208	mg/L		0.025	SW846-6010A
Beryllium	U	0.005	mg/L		0.005	SW846-6010A
Boron	U	2	mg/L		2	SW846-6010A
Cadmium	UW	0.005	mg/L		0.005	SW846-7131
Calcium		31.9	mg/L		2	SW846-6010A
Chromium	U	0.025	mg/L		0.025	SW846-6010A
Cobalt	U	0.025	mg/L		0.025	SW846-6010A
Copper	U	0.05	mg/L		0.05	SW846-6010A
Iron		5.46	mg/L		0.2	SW846-6010A
Magnesium		13	mg/L		0.025	SW846-6010A
Manganese		0.227	mg/L		0.025	SW846-6010A
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	U	0.025	mg/L		0.025	SW846-6010A
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Potassium		2.28	mg/L		2	SW846-6010A
Rhodium	U	0.2	mg/L		0.2	SW846-6010A
Selenium	U	0.01	mg/L		0.01	SW846-7740
Silver	BU	0.025	mg/L		0.025	SW846-6010A
Sodium		45.5	mg/L		2	SW846-6010A
Tantalum	NU	0.2	mg/L		0.2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Tin	U	1	mg/L		1	SW846-6010A
Uranium	*U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.025	mg/L		0.025	SW846-6010A
Zinc	U	0.1	mg/L		0.1	SW846-6010A
<b>METAL-D</b>						
Barium, Dissolved		0.187	mg/L		0.025	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		289	mg/L		100	EPA-160.2
<b>PPCB</b>						

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**SG02-05**

**C-746-S&T MW Abandonment and Replacement - Event 1 SG02-05**

4,4'-DDD	U	0.0001	mg/L	0.0001	SW846-8081A
4,4'-DDE	U	0.0001	mg/L	0.0001	SW846-8081A
4,4'-DDT	U	0.0001	mg/L	0.0001	SW846-8081A
Aldrin	U	0.00005	mg/L	5E-05	SW846-8081A
alpha-BHC	U	0.00005	mg/L	5E-05	SW846-8081A
alpha-Chlordane	U	0.00005	mg/L	5E-05	SW846-8081A
beta-BHC	U	0.00005	mg/L	5E-05	SW846-8081A
delta-BHC	U	0.00005	mg/L	5E-05	SW846-8081A
Dieldrin	U	0.0001	mg/L	0.0001	SW846-8081A
Disulfoton	U	0.0005	mg/L	0.0005	SW846-8141
Endosulfan I	U	0.00005	mg/L	5E-05	SW846-8081A
Endosulfan II	U	0.0001	mg/L	0.0001	SW846-8081A
Endosulfan sulfate	U	0.0001	mg/L	0.0001	SW846-8081A
Endrin	U	0.0001	mg/L	0.0001	SW846-8081A
Endrin aldehyde	U	0.0001	mg/L	0.0001	SW846-8081A
Famphur	U	0.0012	mg/L	0.0012	SW846-8141
gamma-Chlordane	U	0.00005	mg/L	5E-05	SW846-8081A
Heptachlor	U	0.00005	mg/L	5E-05	SW846-8081A
Heptachlor epoxide	U	0.00005	mg/L	5E-05	SW846-8081A
Isodrin	U	0.0001	mg/L	0.0001	SW846-8081A
Kepone	U	0.0005	mg/L	0.0005	SW846-8081A
Lindane	U	0.00005	mg/L	5E-05	SW846-8081A
Methoxychlor	U	0.0005	mg/L	0.0005	SW846-8081A
Methyl parathion	U	0.0005	mg/L	0.0005	SW846-8141
Parathion	U	0.0005	mg/L	0.0005	SW846-8141
PCB-1016	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1221	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1232	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1242	U	0.00011	mg/L	0.0001	SW846-8082
PCB-1248	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1254	U	0.00013	mg/L	0.0001	SW846-8082
PCB-1260	U	0.00009	mg/L	9E-05	SW846-8082
PCB-1268	U	0.00009	mg/L	9E-05	SW846-8082
Phorate	U	0.0005	mg/L	0.0005	SW846-8141
Polychlorinated biphenyl	U	0.00017	mg/L	0.0002	SW846-8082
Sulfotepp	U	0.0005	mg/L	0.0005	SW846-8141
Thionazin	U	0.0005	mg/L	0.0005	SW846-8141
Toxaphene	U	0.005	mg/L	0.005	SW846-8081A

**RADS**

Alpha activity	U	0.874	pCi/L	0.401	9.76	EPA-900.0
Beta activity		49.9	pCi/L	4.88	6.32	EPA-900.0
Strontium-90	U	6.94	pCi/L	1.57	14.3	RL-7145
Technetium-99		51.5	pCi/L	17.6	18.8	RL-7100
Tritium	U	-43.5	pCi/L	155	261	704R5

**SVOA**

1,2,4,5-Tetrachlorobenzene	U	0.01	mg/L	0.01	SW846-8270C
1,2,4-Trichlorobenzene	U	0.01	mg/L	0.01	SW846-8270C
1,3,5-Trinitrobenzene	U	0.01	mg/L	0.01	SW846-8270C
1,3-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260B
1,3-Dinitrobenzene	U	0.01	mg/L	0.01	SW846-8270C
1,4-Dioxane	U	0.01	mg/L	0.01	SW846-8270C
1,4-Naphthoquinone	U	0.01	mg/L	0.01	SW846-8270C
1-Naphthalenamine	U	0.01	mg/L	0.01	SW846-8270C
2,3,4,6-Tetrachlorophenol	U	0.01	mg/L	0.01	SW846-8270C
2,4,5-Trichlorophenol	U	0.025	mg/L	0.025	SW846-8270C



## MW387

## SG02-05

## C-746-S&amp;T MW Abandonment and Replacement - Event 1 SG02-05

2,4,6-Trichlorophenol	U	0.01	mg/L	0.01	SW846-8270C
2,4-Dichlorophenol	U	0.01	mg/L	0.01	SW846-8270C
2,4-Dimethylphenol	U	0.01	mg/L	0.01	SW846-8270C
2,4-Dinitrophenol	U	0.025	mg/L	0.025	SW846-8270C
2,4-Dinitrotoluene	U	0.01	mg/L	0.01	SW846-8270C
2,6-Dichlorophenol	U	0.01	mg/L	0.01	SW846-8270C
2,6-Dinitrotoluene	U	0.01	mg/L	0.01	SW846-8270C
2-Acetylaminofluorene	U	0.01	mg/L	0.01	SW846-8270C
2-Chloronaphthalene	U	0.01	mg/L	0.01	SW846-8270C
2-Chlorophenol	U	0.01	mg/L	0.01	SW846-8270C
2-Methyl-4,6-dinitrophenol	U	0.025	mg/L	0.025	SW846-8270C
2-Methylnaphthalene	U	0.01	mg/L	0.01	SW846-8270C
2-Methylphenol	U	0.01	mg/L	0.01	SW846-8270C
2-Nitrobenzenamine	U	0.025	mg/L	0.025	SW846-8270C
2-Nitrophenol	U	0.01	mg/L	0.01	SW846-8270C
3,3'-Dichlorobenzidine	U	0.01	mg/L	0.01	SW846-8270C
3,3'-Dimethylbenzidine	U	0.01	mg/L	0.01	SW846-8270C
3-Methylcholanthrene	U	0.01	mg/L	0.01	SW846-8270C
3-Methylphenol	U	0.01	mg/L	0.01	SW846-8270C
3-Nitrobenzenamine	U	0.025	mg/L	0.025	SW846-8270C
4-Aminobiphenyl	U	0.01	mg/L	0.01	SW846-8270C
4-Bromophenyl phenyl ether	U	0.01	mg/L	0.01	SW846-8270C
4-Chloro-3-methylphenol	U	0.01	mg/L	0.01	SW846-8270C
4-Chlorobenzenamine	U	0.01	mg/L	0.01	SW846-8270C
4-Chlorophenyl phenyl ether	U	0.01	mg/L	0.01	SW846-8270C
4-Nitrobenzenamine	U	0.025	mg/L	0.025	SW846-8270C
4-Nitrophenol	U	0.025	mg/L	0.025	SW846-8270C
5-(2-Propenyl)-1,3-benzodioxole (Safr	U	0.01	mg/L	0.01	SW846-8270C
5-Nitro-o-toluidine	U	0.01	mg/L	0.01	SW846-8270C
7,12-Dimethylbenz(a)anthracene	U	0.01	mg/L	0.01	SW846-8270C
Acenaphthene	U	0.01	mg/L	0.01	SW846-8270C
Acenaphthylene	U	0.01	mg/L	0.01	SW846-8270C
Acetophenone	U	0.01	mg/L	0.01	SW846-8270C
Anthracene	U	0.01	mg/L	0.01	SW846-8270C
Benz(a)anthracene	U	0.01	mg/L	0.01	SW846-8270C
Benzenemethanol	U	0.01	mg/L	0.01	SW846-8270C
Benzo(a)pyrene	U	0.01	mg/L	0.01	SW846-8270C
Benzo(b)fluoranthene	U	0.01	mg/L	0.01	SW846-8270C
Benzo(ghi)perylene	U	0.01	mg/L	0.01	SW846-8270C
Benzo(k)fluoranthene	U	0.01	mg/L	0.01	SW846-8270C
Bis(2-chloroethoxy)methane	U	0.01	mg/L	0.01	SW846-8270C
Bis(2-chloroethyl) ether	U	0.01	mg/L	0.01	SW846-8270C
Bis(2-chloroisopropyl) ether	U	0.01	mg/L	0.01	SW846-8270C
Bis(2-ethylhexyl)phthalate	J	0.006	mg/L	0.01	SW846-8270C
Butyl benzyl phthalate	J	0.006	mg/L	0.01	SW846-8270C
Chlorobenzilate	U	0.01	mg/L	0.01	SW846-8270C
Chrysene	U	0.01	mg/L	0.01	SW846-8270C
Diallate	U	0.01	mg/L	0.01	SW846-8270C
Dibenz(a,h)anthracene	U	0.01	mg/L	0.01	SW846-8270C
Dibenzofuran	U	0.01	mg/L	0.01	SW846-8270C
Diethyl phthalate	U	0.01	mg/L	0.01	SW846-8270C
Dimethoate	U	0.0005	mg/L	0.0005	SW846-8141
Dimethyl phthalate	U	0.01	mg/L	0.01	SW846-8270C
Di-n-butyl phthalate	B	0.016	mg/L	0.01	SW846-8270C
Di-n-octylphthalate	U	0.01	mg/L	0.01	SW846-8270C

**MW387****SG02-05****C-746-S&T MW Abandonment and Replacement - Event 1 SG02-05**

Ethyl methanesulfonate	U	0.01	mg/L	0.01	SW846-8270C
Fluoranthene	U	0.01	mg/L	0.01	SW846-8270C
Fluorene	U	0.01	mg/L	0.01	SW846-8270C
Hexachloro-1-propene	U	0.01	mg/L	0.01	SW846-8270C
Hexachlorobenzene	U	0.01	mg/L	0.01	SW846-8270C
Hexachlorobutadiene	U	0.01	mg/L	0.01	SW846-8270C
Hexachlorocyclopentadiene	U	0.01	mg/L	0.01	SW846-8270C
Hexachloroethane	U	0.01	mg/L	0.01	SW846-8270C
Indeno(1,2,3-cd)pyrene	U	0.01	mg/L	0.01	SW846-8270C
Isodrin	U	0.01	mg/L	0.01	SW846-8270C
Isophorone	U	0.01	mg/L	0.01	SW846-8270C
Isosafrole	U	0.01	mg/L	0.01	SW846-8270C
Methapyrilene	U	0.01	mg/L	0.01	SW846-8270C
Methyl methanesulfonate	U	0.01	mg/L	0.01	SW846-8270C
Naphthalene	U	0.01	mg/L	0.01	SW846-8270C
Nitrobenzene	U	0.01	mg/L	0.01	SW846-8270C
N-Nitrosodiethylamine	U	0.01	mg/L	0.01	SW846-8270C
N-Nitrosodimethylamine	U	0.01	mg/L	0.01	SW846-8270C
N-Nitroso-di-n-butylamine	U	0.01	mg/L	0.01	SW846-8270C
N-Nitroso-di-n-propylamine	U	0.01	mg/L	0.01	SW846-8270C
N-Nitrosodiphenylamine	U	0.01	mg/L	0.01	SW846-8270C
N-Nitrosomethylethylamine	U	0.01	mg/L	0.01	SW846-8270C
N-Nitrosopiperidine	U	0.05	mg/L	0.05	SW846-8270C
N-Nitrosopyrrolidine	U	0.01	mg/L	0.01	SW846-8270C
O,O,O-Triethylphosphorothioate	U	0.0005	mg/L	0.0005	SW846-8141
o-Toluidine	U	0.01	mg/L	0.01	SW846-8270C
p-Dimethylaminoazobenzene	U	0.01	mg/L	0.01	SW846-8270C
Pentachlorobenzene	U	0.01	mg/L	0.01	SW846-8270C
Pentachloroethane	U	0.01	mg/L	0.01	SW846-8270C
Pentachloronitrobenzene	U	0.05	mg/L	0.05	SW846-8270C
Pentachlorophenol	U	0.025	mg/L	0.025	SW846-8270C
Phenacetin	U	0.01	mg/L	0.01	SW846-8270C
Phenanthrene	U	0.01	mg/L	0.01	SW846-8270C
Phenol	U	0.01	mg/L	0.01	SW846-8270C
p-Phenylenediamine	U	0.01	mg/L	0.01	SW846-8270C
Pronamide	U	0.01	mg/L	0.01	SW846-8270C
Pyrene	U	0.01	mg/L	0.01	SW846-8270C

**VOA**

1,1,1,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260B
1,1,1-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260B
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260B
1,1,2-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260B
1,1-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260B
1,1-Dichloropropene	U	0.01	mg/L	0.01	SW846-8260B
1,2,3-Trichloropropane	U	0.01	mg/L	0.01	SW846-8260B
1,2-Dibromo-3-chloropropane	U	0.02	mg/L	0.02	SW846-8260B
1,2-Dibromoethane	U	0.02	mg/L	0.02	SW846-8260B
1,2-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260B
1,2-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260B
1,2-Dichloropropane	U	0.005	mg/L	0.005	SW846-8260B
1,2-Dimethylbenzene	U	0.005	mg/L	0.005	SW846-8260B
1,3-Dichloropropane	U	0.01	mg/L	0.01	SW846-8260B
1,3-Dimethylbenzene	U	0.005	mg/L	0.005	SW846-8260B
1,4-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260B
2,2-Dichloropropane	U	0.01	mg/L	0.01	SW846-8260B

**MW387****SG02-05****C-746-S&T MW Abandonment and Replacement - Event 1 SG02-05**

2-Butanone	U	0.05	mg/L	0.05	SW846-8260B
2-Chloro-1,3-butadiene	U	0.01	mg/L	0.01	SW846-8260B
2-Chloroethyl vinyl ether	U	0.01	mg/L	0.01	SW846-8260B
2-Hexanone	U	0.01	mg/L	0.01	SW846-8260B
2-Naphthalenamine	U	0.01	mg/L	0.01	SW846-8270C
4-Methyl-2-pentanone	U	0.01	mg/L	0.01	SW846-8260B
Acetone	JB	0.004	mg/L	0.01	SW846-8260B
Acetonitrile	U	0.02	mg/L	0.02	SW846-8260B
Acrolein	U	0.01	mg/L	0.01	SW846-8260B
Acrylonitrile	U	0.01	mg/L	0.01	SW846-8260B
Allyl chloride	U	0.02	mg/L	0.02	SW846-8260B
Benzene	U	0.005	mg/L	0.005	SW846-8260B
Bromochloromethane	U	0.005	mg/L	0.005	SW846-8260B
Bromodichloromethane	U	0.005	mg/L	0.005	SW846-8260B
Bromoform	U	0.005	mg/L	0.005	SW846-8260B
Bromomethane	U	0.01	mg/L	0.01	SW846-8260B
Carbon disulfide	U	0.005	mg/L	0.005	SW846-8260B
Carbon tetrachloride	U	0.005	mg/L	0.005	SW846-8260B
Chlorobenzene	U	0.005	mg/L	0.005	SW846-8260B
Chloroethane	U	0.01	mg/L	0.01	SW846-8260B
Chloromethane	U	0.01	mg/L	0.01	SW846-8260B
cis-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260B
cis-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260B
Dibromochloromethane	U	0.005	mg/L	0.005	SW846-8260B
Dibromomethane	U	0.01	mg/L	0.01	SW846-8260B
Dichlorodifluoromethane	U	0.01	mg/L	0.01	SW846-8260B
Ethanol	U	5	mg/L	5	SW846-8015B
Ethyl cyanide	U	0.05	mg/L	0.05	SW846-8260B
Ethyl methacrylate	U	0.01	mg/L	0.01	SW846-8260B
Ethylbenzene	U	0.005	mg/L	0.005	SW846-8260B
Iodomethane	U	0.01	mg/L	0.01	SW846-8260B
Isobutanol	U	0.1	mg/L	0.1	SW846-8260B
Methacrylonitrile	U	0.02	mg/L	0.02	SW846-8260B
Methyl methacrylate	U	0.01	mg/L	0.01	SW846-8260B
Methylene chloride	U	0.005	mg/L	0.005	SW846-8260B
Styrene	U	0.005	mg/L	0.005	SW846-8260B
Tetrachloroethene	U	0.005	mg/L	0.005	SW846-8260B
Toluene	U	0.005	mg/L	0.005	SW846-8260B
Total Xylene	U	0.005	mg/L	0.005	SW846-8260B
trans-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260B
trans-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260B
Trans-1,4-Dichloro-2-butene	U	0.02	mg/L	0.02	SW846-8260B
Trichloroethene	J	0.002	mg/L	0.005	SW846-8260B
Trichlorofluoromethane	U	0.005	mg/L	0.005	SW846-8260B
Vinyl acetate	U	0.01	mg/L	0.01	SW846-8260B
<b>WETCHEM</b>					
Bicarbonate as CaCO3	J	118	mg/L	10	SM-2320 B 17
Chemical Oxygen Demand (COD)	U	35	mg/L	35	EPA-410.4 1978
Cyanide	NUX	0.02	mg/L	0.02	SW846-9010-A
Iodide	U	2	mg/L	2	EPA-345.1 1974
Sulfide	U	1	mg/L	1	EPA-376.1
Total Organic Carbon (TOC)	JX	1.8	mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.05	mg/L	0.05	SW846-9020B
Turbidity		40	NTU	0.5	EPA-180.1 1978

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MW388

SG02-05

C-746-S&T MW Abandonment and Replacement - Event 1 SG02-05

MW388SG5-02

Collected: 8/14/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		42.2	mg/L		2	SW846-9056
Fluoride	U	1	mg/L		1	SW846-9056
Sulfate		14.6	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.44	Inches/Hg			
Conductivity		383	umho/cm			
Depth to Water		36.1	ft			
Dissolved Oxygen		6.59	mg/L			
pH		5.9	Std Unit			
Redox		130	mV			
Temperature		62.5	deg F			
<b>HERB</b>						
2,4,5-T	U	0.0005	mg/L		0.0005	SW846-8151A
2,4-D	U	0.001	mg/L		0.001	SW846-8151A
Dinoseb	U	0.05	mg/L		0.05	SW846-8270C
Silvex	U	0.0005	mg/L		0.0005	SW846-8151A
<b>METAL</b>						
Aluminum		2.07	mg/L		0.2	SW846-6010A
Barium		0.202	mg/L		0.025	SW846-6010A
Beryllium	U	0.005	mg/L		0.005	SW846-6010A
Boron	U	2	mg/L		2	SW846-6010A
Cadmium	UW	0.005	mg/L		0.005	SW846-7131
Calcium		24.7	mg/L		2	SW846-6010A
Chromium	U	0.025	mg/L		0.025	SW846-6010A
Cobalt	U	0.025	mg/L		0.025	SW846-6010A
Copper	U	0.05	mg/L		0.05	SW846-6010A
Iron		7.29	mg/L		0.2	SW846-6010A
Magnesium		10.6	mg/L		0.025	SW846-6010A
Manganese		0.096	mg/L		0.025	SW846-6010A
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	U	0.025	mg/L		0.025	SW846-6010A
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Potassium		2.3	mg/L		2	SW846-6010A
Rhodium	U	0.2	mg/L		0.2	SW846-6010A
Selenium	U	0.01	mg/L		0.01	SW846-7740
Silver	BU	0.025	mg/L		0.025	SW846-6010A
Sodium		39.6	mg/L		2	SW846-6010A
Tantalum	NU	0.2	mg/L		0.2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Tin	U	1	mg/L		1	SW846-6010A
Uranium	*U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.025	mg/L		0.025	SW846-6010A
Zinc	U	0.1	mg/L		0.1	SW846-6010A
<b>METAL-D</b>						
Barium, Dissolved		0.185	mg/L		0.025	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		243	mg/L		100	EPA-160.2
<b>PPCB</b>						

## MW388

## SG02-05

## C-746-S&amp;T MW Abandonment and Replacement - Event 1 SG02-05

4,4'-DDD	U	0.0001	mg/L	0.0001	SW846-8081A
4,4'-DDE	U	0.0001	mg/L	0.0001	SW846-8081A
4,4'-DDT	U	0.0001	mg/L	0.0001	SW846-8081A
Aldrin	U	0.00005	mg/L	5E-05	SW846-8081A
alpha-BHC	U	0.00005	mg/L	5E-05	SW846-8081A
alpha-Chlordane	U	0.00005	mg/L	5E-05	SW846-8081A
beta-BHC	U	0.00005	mg/L	5E-05	SW846-8081A
delta-BHC	U	0.00005	mg/L	5E-05	SW846-8081A
Dieldrin	U	0.0001	mg/L	0.0001	SW846-8081A
Disulfoton	U	0.0005	mg/L	0.0005	SW846-8141
Endosulfan I	U	0.00005	mg/L	5E-05	SW846-8081A
Endosulfan II	U	0.0001	mg/L	0.0001	SW846-8081A
Endosulfan sulfate	U	0.0001	mg/L	0.0001	SW846-8081A
Endrin	U	0.0001	mg/L	0.0001	SW846-8081A
Endrin aldehyde	U	0.0001	mg/L	0.0001	SW846-8081A
Famphur	U	0.0012	mg/L	0.0012	SW846-8141
gamma-Chlordane	U	0.00005	mg/L	5E-05	SW846-8081A
Heptachlor	U	0.00005	mg/L	5E-05	SW846-8081A
Heptachlor epoxide	U	0.00005	mg/L	5E-05	SW846-8081A
Isodrin	U	0.0001	mg/L	0.0001	SW846-8081A
Kepone	U	0.0005	mg/L	0.0005	SW846-8081A
Lindane	U	0.00005	mg/L	5E-05	SW846-8081A
Methoxychlor	U	0.0005	mg/L	0.0005	SW846-8081A
Methyl parathion	U	0.0005	mg/L	0.0005	SW846-8141
Parathion	U	0.0005	mg/L	0.0005	SW846-8141
PCB-1016	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1221	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1232	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1242	U	0.00011	mg/L	0.0001	SW846-8082
PCB-1248	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1254	U	0.00013	mg/L	0.0001	SW846-8082
PCB-1260	U	0.00009	mg/L	9E-05	SW846-8082
PCB-1268	U	0.00009	mg/L	9E-05	SW846-8082
Phorate	U	0.0005	mg/L	0.0005	SW846-8141
Polychlorinated biphenyl	U	0.00017	mg/L	0.0002	SW846-8082
Sulfotepp	U	0.0005	mg/L	0.0005	SW846-8141
Thionazin	U	0.0005	mg/L	0.0005	SW846-8141
Toxaphene	U	0.005	mg/L	0.005	SW846-8081A

## RADS

Alpha activity	U	4.55	pCi/L	1.94	8.03	EPA-900.0
Beta activity		19.4	pCi/L	2.63	5.93	EPA-900.0
Strontium-90	U	5.44	pCi/L	1.27	14.3	RL-7145
Technetium-99	U	17.1	pCi/L	16.4	18.8	RL-7100
Tritium	U	-50	pCi/L	155	261	704R5

## SVOA

1,2,4,5-Tetrachlorobenzene	U	0.01	mg/L	0.01	SW846-8270C
1,2,4-Trichlorobenzene	U	0.01	mg/L	0.01	SW846-8270C
1,3,5-Trinitrobenzene	U	0.01	mg/L	0.01	SW846-8270C
1,3-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260B
1,3-Dinitrobenzene	U	0.01	mg/L	0.01	SW846-8270C
1,4-Dioxane	U	0.01	mg/L	0.01	SW846-8270C
1,4-Naphthoquinone	U	0.01	mg/L	0.01	SW846-8270C
1-Naphthalenamine	U	0.01	mg/L	0.01	SW846-8270C
2,3,4,6-Tetrachlorophenol	U	0.01	mg/L	0.01	SW846-8270C
2,4,5-Trichlorophenol	U	0.025	mg/L	0.025	SW846-8270C

## MW388

## SG02-05

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2,4,6-Trichlorophenol	U	0.01	mg/L	0.01	SW846-8270C
2,4-Dichlorophenol	U	0.01	mg/L	0.01	SW846-8270C
2,4-Dimethylphenol	U	0.01	mg/L	0.01	SW846-8270C
2,4-Dinitrophenol	U	0.025	mg/L	0.025	SW846-8270C
2,4-Dinitrotoluene	U	0.01	mg/L	0.01	SW846-8270C
2,6-Dichlorophenol	U	0.01	mg/L	0.01	SW846-8270C
2,6-Dinitrotoluene	U	0.01	mg/L	0.01	SW846-8270C
2-Acetylaminofluorene	U	0.01	mg/L	0.01	SW846-8270C
2-Chloronaphthalene	U	0.01	mg/L	0.01	SW846-8270C
2-Chlorophenol	U	0.01	mg/L	0.01	SW846-8270C
2-Methyl-4,6-dinitrophenol	U	0.025	mg/L	0.025	SW846-8270C
2-Methylnaphthalene	U	0.01	mg/L	0.01	SW846-8270C
2-Methylphenol	U	0.01	mg/L	0.01	SW846-8270C
2-Nitrobenzenamine	U	0.025	mg/L	0.025	SW846-8270C
2-Nitrophenol	U	0.01	mg/L	0.01	SW846-8270C
3,3'-Dichlorobenzidine	U	0.01	mg/L	0.01	SW846-8270C
3,3'-Dimethylbenzidine	U	0.01	mg/L	0.01	SW846-8270C
3-Methylcholanthrene	U	0.01	mg/L	0.01	SW846-8270C
3-Methylphenol	U	0.01	mg/L	0.01	SW846-8270C
3-Nitrobenzenamine	U	0.025	mg/L	0.025	SW846-8270C
4-Aminobiphenyl	U	0.01	mg/L	0.01	SW846-8270C
4-Bromophenyl phenyl ether	U	0.01	mg/L	0.01	SW846-8270C
4-Chloro-3-methylphenol	U	0.01	mg/L	0.01	SW846-8270C
4-Chlorobenzenamine	U	0.01	mg/L	0.01	SW846-8270C
4-Chlorophenyl phenyl ether	U	0.01	mg/L	0.01	SW846-8270C
4-Nitrobenzenamine	U	0.025	mg/L	0.025	SW846-8270C
4-Nitrophenol	U	0.025	mg/L	0.025	SW846-8270C
5-(2-Propenyl)-1,3-benzodioxole (Safr	U	0.01	mg/L	0.01	SW846-8270C
5-Nitro-o-toluidine	U	0.01	mg/L	0.01	SW846-8270C
7,12-Dimethylbenz(a)anthracene	U	0.01	mg/L	0.01	SW846-8270C
Acenaphthene	U	0.01	mg/L	0.01	SW846-8270C
Acenaphthylene	U	0.01	mg/L	0.01	SW846-8270C
Acetophenone	U	0.01	mg/L	0.01	SW846-8270C
Anthracene	U	0.01	mg/L	0.01	SW846-8270C
Benz(a)anthracene	U	0.01	mg/L	0.01	SW846-8270C
Benzenemethanol	U	0.01	mg/L	0.01	SW846-8270C
Benzo(a)pyrene	U	0.01	mg/L	0.01	SW846-8270C
Benzo(b)fluoranthene	U	0.01	mg/L	0.01	SW846-8270C
Benzo(ghi)perylene	U	0.01	mg/L	0.01	SW846-8270C
Benzo(k)fluoranthene	U	0.01	mg/L	0.01	SW846-8270C
Bis(2-chloroethoxy)methane	U	0.01	mg/L	0.01	SW846-8270C
Bis(2-chloroethyl) ether	U	0.01	mg/L	0.01	SW846-8270C
Bis(2-chloroisopropyl) ether	U	0.01	mg/L	0.01	SW846-8270C
Bis(2-ethylhexyl)phthalate	J	0.0008	mg/L	0.01	SW846-8270C
Butyl benzyl phthalate	U	0.01	mg/L	0.01	SW846-8270C
Chlorobenzilate	U	0.01	mg/L	0.01	SW846-8270C
Chrysene	U	0.01	mg/L	0.01	SW846-8270C
Diallate	U	0.01	mg/L	0.01	SW846-8270C
Dibenz(a,h)anthracene	U	0.01	mg/L	0.01	SW846-8270C
Dibenzofuran	U	0.01	mg/L	0.01	SW846-8270C
Diethyl phthalate	U	0.01	mg/L	0.01	SW846-8270C
Dimethoate	U	0.0005	mg/L	0.0005	SW846-8141
Dimethyl phthalate	U	0.01	mg/L	0.01	SW846-8270C
Di-n-butyl phthalate	JB	0.002	mg/L	0.01	SW846-8270C
Di-n-octylphthalate	U	0.01	mg/L	0.01	SW846-8270C

**MW388****SG02-05****C-746-S&T MW Abandonment and Replacement - Event 1 SG02-05**

Ethyl methanesulfonate	U	0.01	mg/L	0.01	SW846-8270C
Fluoranthene	U	0.01	mg/L	0.01	SW846-8270C
Fluorene	U	0.01	mg/L	0.01	SW846-8270C
Hexachloro-1-propene	U	0.01	mg/L	0.01	SW846-8270C
Hexachlorobenzene	U	0.01	mg/L	0.01	SW846-8270C
Hexachlorobutadiene	U	0.01	mg/L	0.01	SW846-8270C
Hexachlorocyclopentadiene	U	0.01	mg/L	0.01	SW846-8270C
Hexachloroethane	U	0.01	mg/L	0.01	SW846-8270C
Indeno(1,2,3-cd)pyrene	U	0.01	mg/L	0.01	SW846-8270C
Isodrin	U	0.01	mg/L	0.01	SW846-8270C
Isophorone	U	0.01	mg/L	0.01	SW846-8270C
Isosafrole	U	0.01	mg/L	0.01	SW846-8270C
Methapyrilene	U	0.01	mg/L	0.01	SW846-8270C
Methyl methanesulfonate	U	0.01	mg/L	0.01	SW846-8270C
Naphthalene	U	0.01	mg/L	0.01	SW846-8270C
Nitrobenzene	U	0.01	mg/L	0.01	SW846-8270C
N-Nitrosodiethylamine	U	0.01	mg/L	0.01	SW846-8270C
N-Nitrosodimethylamine	U	0.01	mg/L	0.01	SW846-8270C
N-Nitroso-di-n-butylamine	U	0.01	mg/L	0.01	SW846-8270C
N-Nitroso-di-n-propylamine	U	0.01	mg/L	0.01	SW846-8270C
N-Nitrosodiphenylamine	U	0.01	mg/L	0.01	SW846-8270C
N-Nitrosomethylethylamine	U	0.01	mg/L	0.01	SW846-8270C
N-Nitrosopiperidine	U	0.05	mg/L	0.05	SW846-8270C
N-Nitrosopyrrolidine	U	0.01	mg/L	0.01	SW846-8270C
O,O,O-Triethylphosphorothioate	U	0.0005	mg/L	0.0005	SW846-8141
o-Toluidine	U	0.01	mg/L	0.01	SW846-8270C
p-Dimethylaminoazobenzene	U	0.01	mg/L	0.01	SW846-8270C
Pentachlorobenzene	U	0.01	mg/L	0.01	SW846-8270C
Pentachloroethane	U	0.01	mg/L	0.01	SW846-8270C
Pentachloronitrobenzene	U	0.05	mg/L	0.05	SW846-8270C
Pentachlorophenol	U	0.025	mg/L	0.025	SW846-8270C
Phenacetin	U	0.01	mg/L	0.01	SW846-8270C
Phenanthrene	U	0.01	mg/L	0.01	SW846-8270C
Phenol	U	0.01	mg/L	0.01	SW846-8270C
p-Phenylenediamine	U	0.01	mg/L	0.01	SW846-8270C
Pronamide	U	0.01	mg/L	0.01	SW846-8270C
Pyrene	U	0.01	mg/L	0.01	SW846-8270C

**VOA**

1,1,1,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260B
1,1,1-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260B
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260B
1,1,2-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260B
1,1-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260B
1,1-Dichloropropene	U	0.01	mg/L	0.01	SW846-8260B
1,2,3-Trichloropropane	U	0.01	mg/L	0.01	SW846-8260B
1,2-Dibromo-3-chloropropane	U	0.02	mg/L	0.02	SW846-8260B
1,2-Dibromoethane	U	0.02	mg/L	0.02	SW846-8260B
1,2-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260B
1,2-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260B
1,2-Dichloropropane	U	0.005	mg/L	0.005	SW846-8260B
1,2-Dimethylbenzene	U	0.005	mg/L	0.005	SW846-8260B
1,3-Dichloropropane	U	0.01	mg/L	0.01	SW846-8260B
1,3-Dimethylbenzene	U	0.005	mg/L	0.005	SW846-8260B
1,4-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260B
2,2-Dichloropropane	U	0.01	mg/L	0.01	SW846-8260B

## MW388

## SG02-05

## C-746-S&amp;T MW Abandonment and Replacement - Event 1 SG02-05

2-Butanone	U	0.05	mg/L	0.05	SW846-8260B
2-Chloro-1,3-butadiene	U	0.01	mg/L	0.01	SW846-8260B
2-Chloroethyl vinyl ether	U	0.01	mg/L	0.01	SW846-8260B
2-Hexanone	U	0.01	mg/L	0.01	SW846-8260B
2-Naphthalenamine	U	0.01	mg/L	0.01	SW846-8270C
4-Methyl-2-pentanone	U	0.01	mg/L	0.01	SW846-8260B
Acetone	U	0.01	mg/L	0.01	SW846-8260B
Acetonitrile	U	0.02	mg/L	0.02	SW846-8260B
Acrolein	U	0.01	mg/L	0.01	SW846-8260B
Acrylonitrile	U	0.01	mg/L	0.01	SW846-8260B
Allyl chloride	U	0.02	mg/L	0.02	SW846-8260B
Benzene	U	0.005	mg/L	0.005	SW846-8260B
Bromochloromethane	U	0.005	mg/L	0.005	SW846-8260B
Bromodichloromethane	U	0.005	mg/L	0.005	SW846-8260B
Bromoform	U	0.005	mg/L	0.005	SW846-8260B
Bromomethane	U	0.01	mg/L	0.01	SW846-8260B
Carbon disulfide	U	0.005	mg/L	0.005	SW846-8260B
Carbon tetrachloride	U	0.005	mg/L	0.005	SW846-8260B
Chlorobenzene	U	0.005	mg/L	0.005	SW846-8260B
Chloroethane	U	0.01	mg/L	0.01	SW846-8260B
Chloromethane	U	0.01	mg/L	0.01	SW846-8260B
cis-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260B
cis-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260B
Dibromochloromethane	U	0.005	mg/L	0.005	SW846-8260B
Dibromomethane	U	0.01	mg/L	0.01	SW846-8260B
Dichlorodifluoromethane	U	0.01	mg/L	0.01	SW846-8260B
Ethanol	U	5	mg/L	5	SW846-8015B
Ethyl cyanide	U	0.05	mg/L	0.05	SW846-8260B
Ethyl methacrylate	U	0.01	mg/L	0.01	SW846-8260B
Ethylbenzene	U	0.005	mg/L	0.005	SW846-8260B
Iodomethane	U	0.01	mg/L	0.01	SW846-8260B
Isobutanol	U	0.1	mg/L	0.1	SW846-8260B
Methacrylonitrile	U	0.02	mg/L	0.02	SW846-8260B
Methyl methacrylate	U	0.01	mg/L	0.01	SW846-8260B
Methylene chloride	U	0.005	mg/L	0.005	SW846-8260B
Styrene	U	0.005	mg/L	0.005	SW846-8260B
Tetrachloroethene	U	0.005	mg/L	0.005	SW846-8260B
Toluene	U	0.005	mg/L	0.005	SW846-8260B
Total Xylene	U	0.005	mg/L	0.005	SW846-8260B
trans-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260B
trans-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260B
Trans-1,4-Dichloro-2-butene	U	0.02	mg/L	0.02	SW846-8260B
Trichloroethene	U	0.005	mg/L	0.005	SW846-8260B
Trichlorofluoromethane	U	0.005	mg/L	0.005	SW846-8260B
Vinyl acetate	U	0.01	mg/L	0.01	SW846-8260B
<b>WETCHEM</b>					
Bicarbonate as CaCO3	J	101	mg/L	10	SM-2320 B 17
Chemical Oxygen Demand (COD)	U	35	mg/L	35	EPA-410.4 1978
Cyanide	NUX	0.02	mg/L	0.02	SW846-9010-A
Iodide	U	2	mg/L	2	EPA-345.1 1974
Sulfide	U	1	mg/L	1	EPA-376.1
Total Organic Carbon (TOC)	JUX	1	mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.05	mg/L	0.05	SW846-9020B
Turbidity		60	NTU	0.5	EPA-180.1 1978



**MW390**

**SG02-05**

**C-746-S&T MW Abandonment and Replacement - Event 1 SG02-05**

**MW390SG5-02**

Collected: 8/14/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide		2.5	mg/L		1	SW846-9056
Chloride		292.3	mg/L		2	SW846-9056
Fluoride	U	1	mg/L		1	SW846-9056
Sulfate		6	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.56	Inches/Hg			
Conductivity		1309	umho/cm			
Depth to Water		33.14	ft			
Dissolved Oxygen		1.01	mg/L			
pH		6.18	Std Unit			
Temperature		63	deg F			
<b>HERB</b>						
2,4,5-T	U	0.0005	mg/L		0.0005	SW846-8151A
2,4-D	U	0.001	mg/L		0.001	SW846-8151A
Dinoseb	U	0.05	mg/L		0.05	SW846-8270C
Silvex	U	0.0005	mg/L		0.0005	SW846-8151A
<b>METAL</b>						
Aluminum		15	mg/L		0.2	SW846-6010A
Arsenic	W	0.006	mg/L		0.005	SW846-7060
Barium		0.403	mg/L		0.025	SW846-6010A
Beryllium	U	0.005	mg/L		0.005	SW846-6010A
Boron	U	2	mg/L		2	SW846-6010A
Cadmium	UW	0.005	mg/L		0.005	SW846-7131
Calcium		75.4	mg/L		2	SW846-6010A
Chromium	U	0.025	mg/L		0.025	SW846-6010A
Cobalt		0.067	mg/L		0.025	SW846-6010A
Copper	U	0.05	mg/L		0.05	SW846-6010A
Iron		33.6	mg/L		0.2	SW846-6010A
Magnesium		30.1	mg/L		0.025	SW846-6010A
Manganese		1.26	mg/L		0.025	SW846-6010A
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	U	0.025	mg/L		0.025	SW846-6010A
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Potassium		2.63	mg/L		2	SW846-6010A
Rhodium	U	0.2	mg/L		0.2	SW846-6010A
Selenium	U	0.01	mg/L		0.01	SW846-7740
Silver	BU	0.025	mg/L		0.025	SW846-6010A
Sodium		126	mg/L		2	SW846-6010A
Tantalum	NU	0.2	mg/L		0.2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Tin	U	1	mg/L		1	SW846-6010A
Uranium	*	0.001	mg/L		0.001	IN7105
Vanadium		0.03	mg/L		0.025	SW846-6010A
Zinc	U	0.1	mg/L		0.1	SW846-6010A
<b>METAL-D</b>						
Arsenic, Dissolved		0.007	mg/L		0.005	SW846-7060
Barium, Dissolved		0.333	mg/L		0.025	SW846-6010A
Uranium, Dissolved	U	0.001	mg/L		0.001	IN7105
<b>PHYSC</b>						

**MW390**

**SG02-05**

**C-746-S&T MW Abandonment and Replacement - Event 1 SG02-05**

Dissolved Solids		888 mg/L		100 EPA-160.2	
<b>PPCB</b>					
4,4'-DDD	U	0.0001	mg/L	0.0001	SW846-8081A
4,4'-DDE	U	0.0001	mg/L	0.0001	SW846-8081A
4,4'-DDT	U	0.0001	mg/L	0.0001	SW846-8081A
Aldrin	U	0.00005	mg/L	5E-05	SW846-8081A
alpha-BHC	U	0.00005	mg/L	5E-05	SW846-8081A
alpha-Chlordane	U	0.00005	mg/L	5E-05	SW846-8081A
beta-BHC	U	0.00005	mg/L	5E-05	SW846-8081A
delta-BHC	U	0.00005	mg/L	5E-05	SW846-8081A
Dieldrin	U	0.0001	mg/L	0.0001	SW846-8081A
Disulfoton	U	0.0005	mg/L	0.0005	SW846-8141
Endosulfan I	U	0.00005	mg/L	5E-05	SW846-8081A
Endosulfan II	U	0.0001	mg/L	0.0001	SW846-8081A
Endosulfan sulfate	U	0.0001	mg/L	0.0001	SW846-8081A
Endrin	U	0.0001	mg/L	0.0001	SW846-8081A
Endrin aldehyde	U	0.0001	mg/L	0.0001	SW846-8081A
Famphur	U	0.0012	mg/L	0.0012	SW846-8141
gamma-Chlordane	U	0.00005	mg/L	5E-05	SW846-8081A
Heptachlor	U	0.00005	mg/L	5E-05	SW846-8081A
Heptachlor epoxide	U	0.00005	mg/L	5E-05	SW846-8081A
Isodrin	U	0.0001	mg/L	0.0001	SW846-8081A
Kepone	U	0.0005	mg/L	0.0005	SW846-8081A
Lindane	U	0.00005	mg/L	5E-05	SW846-8081A
Methoxychlor	U	0.0005	mg/L	0.0005	SW846-8081A
Methyl parathion	U	0.0005	mg/L	0.0005	SW846-8141
Parathion	U	0.0005	mg/L	0.0005	SW846-8141
PCB-1016	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1221	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1232	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1242	U	0.00011	mg/L	0.0001	SW846-8082
PCB-1248	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1254	U	0.00013	mg/L	0.0001	SW846-8082
PCB-1260	U	0.00009	mg/L	9E-05	SW846-8082
PCB-1268	U	0.00009	mg/L	9E-05	SW846-8082
Phorate	U	0.0005	mg/L	0.0005	SW846-8141
Polychlorinated biphenyl	U	0.00017	mg/L	0.0002	SW846-8082
Sulfotepp	U	0.0005	mg/L	0.0005	SW846-8141
Thionazin	U	0.0005	mg/L	0.0005	SW846-8141
Toxaphene	U	0.005	mg/L	0.005	SW846-8081A
<b>RADS</b>					
Alpha activity	U	5.75	pCi/L	3.07	21.9 EPA-900.0
Beta activity	U	7.6	pCi/L	1.51	13.2 EPA-900.0
Strontium-90	U	-0.322	pCi/L	0.0869	14.3 RL-7145
Technetium-99	U	8.03	pCi/L	16	18.8 RL-7100
Tritium	U	-165	pCi/L	153	261 704R5
<b>SVOA</b>					
1,2,4,5-Tetrachlorobenzene	U	0.01	mg/L	0.01	SW846-8270C
1,2,4-Trichlorobenzene	U	0.01	mg/L	0.01	SW846-8270C
1,3,5-Trinitrobenzene	U	0.01	mg/L	0.01	SW846-8270C
1,3-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260B
1,3-Dinitrobenzene	U	0.01	mg/L	0.01	SW846-8270C
1,4-Dioxane	U	0.01	mg/L	0.01	SW846-8270C
1,4-Naphthoquinone	U	0.01	mg/L	0.01	SW846-8270C
1-Naphthalenamine	U	0.01	mg/L	0.01	SW846-8270C

## MW390

## SG02-05

## C-746-S&amp;T MW Abandonment and Replacement - Event 1 SG02-05

2,3,4,6-Tetrachlorophenol	U	0.01	mg/L	0.01	SW846-8270C
2,4,5-Trichlorophenol	U	0.025	mg/L	0.025	SW846-8270C
2,4,6-Trichlorophenol	U	0.01	mg/L	0.01	SW846-8270C
2,4-Dichlorophenol	U	0.01	mg/L	0.01	SW846-8270C
2,4-Dimethylphenol	U	0.01	mg/L	0.01	SW846-8270C
2,4-Dinitrophenol	U	0.025	mg/L	0.025	SW846-8270C
2,4-Dinitrotoluene	U	0.01	mg/L	0.01	SW846-8270C
2,6-Dichlorophenol	U	0.01	mg/L	0.01	SW846-8270C
2,6-Dinitrotoluene	U	0.01	mg/L	0.01	SW846-8270C
2-Acetylaminofluorene	U	0.01	mg/L	0.01	SW846-8270C
2-Chloronaphthalene	U	0.01	mg/L	0.01	SW846-8270C
2-Chlorophenol	U	0.01	mg/L	0.01	SW846-8270C
2-Methyl-4,6-dinitrophenol	U	0.025	mg/L	0.025	SW846-8270C
2-Methylnaphthalene	U	0.01	mg/L	0.01	SW846-8270C
2-Methylphenol	U	0.01	mg/L	0.01	SW846-8270C
2-Nitrobenzenamine	U	0.025	mg/L	0.025	SW846-8270C
2-Nitrophenol	U	0.01	mg/L	0.01	SW846-8270C
3,3'-Dichlorobenzidine	U	0.01	mg/L	0.01	SW846-8270C
3,3'-Dimethylbenzidine	U	0.01	mg/L	0.01	SW846-8270C
3-Methylcholanthrene	U	0.01	mg/L	0.01	SW846-8270C
3-Methylphenol		0.045	mg/L	0.01	SW846-8270C
3-Nitrobenzenamine	U	0.025	mg/L	0.025	SW846-8270C
4-Aminobiphenyl	U	0.01	mg/L	0.01	SW846-8270C
4-Bromophenyl phenyl ether	U	0.01	mg/L	0.01	SW846-8270C
4-Chloro-3-methylphenol	U	0.01	mg/L	0.01	SW846-8270C
4-Chlorobenzenamine	U	0.01	mg/L	0.01	SW846-8270C
4-Chlorophenyl phenyl ether	U	0.01	mg/L	0.01	SW846-8270C
4-Nitrobenzenamine	U	0.025	mg/L	0.025	SW846-8270C
4-Nitrophenol	U	0.025	mg/L	0.025	SW846-8270C
5-(2-Propenyl)-1,3-benzodioxole (Safr	U	0.01	mg/L	0.01	SW846-8270C
5-Nitro-o-toluidine	U	0.01	mg/L	0.01	SW846-8270C
7,12-Dimethylbenz(a)anthracene	U	0.01	mg/L	0.01	SW846-8270C
Acenaphthene	U	0.01	mg/L	0.01	SW846-8270C
Acenaphthylene	U	0.01	mg/L	0.01	SW846-8270C
Acetophenone	U	0.01	mg/L	0.01	SW846-8270C
Anthracene	U	0.01	mg/L	0.01	SW846-8270C
Benz(a)anthracene	U	0.01	mg/L	0.01	SW846-8270C
Benzenemethanol	U	0.01	mg/L	0.01	SW846-8270C
Benzo(a)pyrene	U	0.01	mg/L	0.01	SW846-8270C
Benzo(b)fluoranthene	U	0.01	mg/L	0.01	SW846-8270C
Benzo(ghi)perylene	U	0.01	mg/L	0.01	SW846-8270C
Benzo(k)fluoranthene	U	0.01	mg/L	0.01	SW846-8270C
Bis(2-chloroethoxy)methane	U	0.01	mg/L	0.01	SW846-8270C
Bis(2-chloroethyl) ether	U	0.01	mg/L	0.01	SW846-8270C
Bis(2-chloroisopropyl) ether	U	0.01	mg/L	0.01	SW846-8270C
Bis(2-ethylhexyl)phthalate	J	0.005	mg/L	0.01	SW846-8270C
Butyl benzyl phthalate	U	0.01	mg/L	0.01	SW846-8270C
Chlorobenzilate	U	0.01	mg/L	0.01	SW846-8270C
Chrysene	U	0.01	mg/L	0.01	SW846-8270C
Diallate	U	0.01	mg/L	0.01	SW846-8270C
Dibenz(a,h)anthracene	U	0.01	mg/L	0.01	SW846-8270C
Dibenzofuran	U	0.01	mg/L	0.01	SW846-8270C
Diethyl phthalate	U	0.01	mg/L	0.01	SW846-8270C
Dimethoate	U	0.0005	mg/L	0.0005	SW846-8141
Dimethyl phthalate	U	0.01	mg/L	0.01	SW846-8270C

**MW390****SG02-05****C-746-S&T MW Abandonment and Replacement - Event 1 SG02-05**

Di-n-butyl phthalate	B	0.012	mg/L	0.01	SW846-8270C
Di-n-octylphthalate	U	0.01	mg/L	0.01	SW846-8270C
Ethyl methanesulfonate	U	0.01	mg/L	0.01	SW846-8270C
Fluoranthene	U	0.01	mg/L	0.01	SW846-8270C
Fluorene	U	0.01	mg/L	0.01	SW846-8270C
Hexachloro-1-propene	U	0.01	mg/L	0.01	SW846-8270C
Hexachlorobenzene	U	0.01	mg/L	0.01	SW846-8270C
Hexachlorobutadiene	U	0.01	mg/L	0.01	SW846-8270C
Hexachlorocyclopentadiene	U	0.01	mg/L	0.01	SW846-8270C
Hexachloroethane	U	0.01	mg/L	0.01	SW846-8270C
Indeno(1,2,3-cd)pyrene	U	0.01	mg/L	0.01	SW846-8270C
Isodrin	U	0.01	mg/L	0.01	SW846-8270C
Isophorone	U	0.01	mg/L	0.01	SW846-8270C
Isosafrole	U	0.01	mg/L	0.01	SW846-8270C
Methapyrilene	U	0.01	mg/L	0.01	SW846-8270C
Methyl methanesulfonate	U	0.01	mg/L	0.01	SW846-8270C
Naphthalene	U	0.01	mg/L	0.01	SW846-8270C
Nitrobenzene	U	0.01	mg/L	0.01	SW846-8270C
N-Nitrosodiethylamine	U	0.01	mg/L	0.01	SW846-8270C
N-Nitrosodimethylamine	U	0.01	mg/L	0.01	SW846-8270C
N-Nitroso-di-n-butylamine	U	0.01	mg/L	0.01	SW846-8270C
N-Nitroso-di-n-propylamine	U	0.01	mg/L	0.01	SW846-8270C
N-Nitrosodiphenylamine	U	0.01	mg/L	0.01	SW846-8270C
N-Nitrosomethylethylamine	U	0.01	mg/L	0.01	SW846-8270C
N-Nitrosopiperidine	U	0.05	mg/L	0.05	SW846-8270C
N-Nitrosopyrrolidine	U	0.01	mg/L	0.01	SW846-8270C
O,O,O-Triethylphosphorothioate	U	0.0005	mg/L	0.0005	SW846-8141
o-Toluidine	U	0.01	mg/L	0.01	SW846-8270C
p-Dimethylaminoazobenzene	U	0.01	mg/L	0.01	SW846-8270C
Pentachlorobenzene	U	0.01	mg/L	0.01	SW846-8270C
Pentachloroethane	U	0.01	mg/L	0.01	SW846-8270C
Pentachloronitrobenzene	U	0.05	mg/L	0.05	SW846-8270C
Pentachlorophenol	U	0.025	mg/L	0.025	SW846-8270C
Phenacetin	U	0.01	mg/L	0.01	SW846-8270C
Phenanthrene	U	0.01	mg/L	0.01	SW846-8270C
Phenol	U	0.01	mg/L	0.01	SW846-8270C
p-Phenylenediamine	U	0.01	mg/L	0.01	SW846-8270C
Pronamide	U	0.01	mg/L	0.01	SW846-8270C
Pyrene	U	0.01	mg/L	0.01	SW846-8270C
<b>VOA</b>					
1,1,1,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260B
1,1,1-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260B
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260B
1,1,2-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260B
1,1-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260B
1,1-Dichloropropene	U	0.01	mg/L	0.01	SW846-8260B
1,2,3-Trichloropropane	U	0.01	mg/L	0.01	SW846-8260B
1,2-Dibromo-3-chloropropane	U	0.02	mg/L	0.02	SW846-8260B
1,2-Dibromoethane	U	0.02	mg/L	0.02	SW846-8260B
1,2-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260B
1,2-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260B
1,2-Dichloropropane	U	0.005	mg/L	0.005	SW846-8260B
1,2-Dimethylbenzene	U	0.005	mg/L	0.005	SW846-8260B
1,3-Dichloropropane	U	0.01	mg/L	0.01	SW846-8260B
1,3-Dimethylbenzene	J	0.001	mg/L	0.005	SW846-8260B

**MW390****SG02-05****C-746-S&T MW Abandonment and Replacement - Event 1 SG02-05**

1,4-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260B
2,2-Dichloropropane	U	0.01	mg/L	0.01	SW846-8260B
2-Butanone	U	0.05	mg/L	0.05	SW846-8260B
2-Chloro-1,3-butadiene	U	0.01	mg/L	0.01	SW846-8260B
2-Chloroethyl vinyl ether	U	0.01	mg/L	0.01	SW846-8260B
2-Hexanone	U	0.01	mg/L	0.01	SW846-8260B
2-Naphthalenamine	U	0.01	mg/L	0.01	SW846-8270C
4-Methyl-2-pentanone	U	0.01	mg/L	0.01	SW846-8260B
Acetone	B	0.053	mg/L	0.01	SW846-8260B
Acetonitrile	U	0.02	mg/L	0.02	SW846-8260B
Acrolein	U	0.01	mg/L	0.01	SW846-8260B
Acrylonitrile	U	0.01	mg/L	0.01	SW846-8260B
Allyl chloride	U	0.02	mg/L	0.02	SW846-8260B
Benzene	U	0.005	mg/L	0.005	SW846-8260B
Bromochloromethane	U	0.005	mg/L	0.005	SW846-8260B
Bromodichloromethane	U	0.005	mg/L	0.005	SW846-8260B
Bromoform	U	0.005	mg/L	0.005	SW846-8260B
Bromomethane	U	0.01	mg/L	0.01	SW846-8260B
Carbon disulfide	U	0.005	mg/L	0.005	SW846-8260B
Carbon tetrachloride	U	0.005	mg/L	0.005	SW846-8260B
Chlorobenzene	U	0.005	mg/L	0.005	SW846-8260B
Chloroethane	U	0.01	mg/L	0.01	SW846-8260B
Chloromethane	U	0.01	mg/L	0.01	SW846-8260B
cis-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260B
cis-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260B
Dibromochloromethane	U	0.005	mg/L	0.005	SW846-8260B
Dibromomethane	U	0.01	mg/L	0.01	SW846-8260B
Dichlorodifluoromethane	U	0.01	mg/L	0.01	SW846-8260B
Ethanol	U	5	mg/L	5	SW846-8015B
Ethyl cyanide	U	0.05	mg/L	0.05	SW846-8260B
Ethyl methacrylate	U	0.01	mg/L	0.01	SW846-8260B
Ethylbenzene	U	0.005	mg/L	0.005	SW846-8260B
Iodomethane	U	0.01	mg/L	0.01	SW846-8260B
Isobutanol	U	0.1	mg/L	0.1	SW846-8260B
Methacrylonitrile	U	0.02	mg/L	0.02	SW846-8260B
Methyl methacrylate	U	0.01	mg/L	0.01	SW846-8260B
Methylene chloride	J	0.003	mg/L	0.005	SW846-8260B
Styrene	U	0.005	mg/L	0.005	SW846-8260B
Tetrachloroethene	U	0.005	mg/L	0.005	SW846-8260B
Toluene	U	0.005	mg/L	0.005	SW846-8260B
Total Xylene	J	0.001	mg/L	0.005	SW846-8260B
trans-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260B
trans-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260B
Trans-1,4-Dichloro-2-butene	U	0.02	mg/L	0.02	SW846-8260B
Trichloroethene	U	0.005	mg/L	0.005	SW846-8260B
Trichlorofluoromethane	U	0.005	mg/L	0.005	SW846-8260B
Vinyl acetate	U	0.01	mg/L	0.01	SW846-8260B
<b>WETCHEM</b>					
Bicarbonate as CaCO3	J	166	mg/L	10	SM-2320 B 17
Chemical Oxygen Demand (COD)	U	35	mg/L	35	EPA-410.4 1978
Cyanide	NUX	0.02	mg/L	0.02	SW846-9010-A
Iodide	U	2	mg/L	2	EPA-345.1 1974
Sulfide	U	1	mg/L	1	EPA-376.1
Total Organic Carbon (TOC)	JX	7.7	mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.101	mg/L	0.05	SW846-9020B

**MW390**

**SG02-05**

**C-746-S&T MW Abandonment and Replacement - Event 1 SG02-05**

Turbidity

250 NTU

0.5 EPA-180.1 1978

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# Paducah-OREIS Data Report

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12/18/2007

**MW391**

**SG02-05**

## C-746-S&T MW Abandonment and Replacement - Event 1 SG02-05

**MW391SG5-02**

Collected: 8/13/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		40.6	mg/L		2	SW846-9056
Fluoride	U	1	mg/L		1	SW846-9056
Sulfate		9.5	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.65	Inches/Hg			
Conductivity		342	umho/cm			
Depth to Water		39.34	ft			
Dissolved Oxygen		4.15	mg/L			
pH		6.09	Std Unit			
Redox		140	mV			
Temperature		63.7	deg F			
<b>HERB</b>						
2,4,5-T	U	0.0005	mg/L		0.0005	SW846-8151A
2,4-D	U	0.001	mg/L		0.001	SW846-8151A
Dinoseb	U	0.05	mg/L		0.05	SW846-8270C
Silvex	U	0.0005	mg/L		0.0005	SW846-8151A
<b>METAL</b>						
Aluminum		4.48	mg/L		0.2	SW846-6010A
Barium		0.293	mg/L		0.025	SW846-6010A
Beryllium	U	0.005	mg/L		0.005	SW846-6010A
Boron	U	2	mg/L		2	SW846-6010A
Cadmium	UW	0.005	mg/L		0.005	SW846-7131
Calcium		25.2	mg/L		2	SW846-6010A
Chromium	U	0.025	mg/L		0.025	SW846-6010A
Cobalt	U	0.025	mg/L		0.025	SW846-6010A
Copper	U	0.05	mg/L		0.05	SW846-6010A
Iron		28.6	mg/L		0.2	SW846-6010A
Magnesium		9.95	mg/L		0.025	SW846-6010A
Manganese		0.496	mg/L		0.025	SW846-6010A
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	U	0.025	mg/L		0.025	SW846-6010A
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Potassium	U	2	mg/L		2	SW846-6010A
Rhodium	U	0.2	mg/L		0.2	SW846-6010A
Selenium	U	0.01	mg/L		0.01	SW846-7740
Silver	BU	0.025	mg/L		0.025	SW846-6010A
Sodium		35.5	mg/L		2	SW846-6010A
Tantalum	NU	0.2	mg/L		0.2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Tin	U	1	mg/L		1	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.025	mg/L		0.025	SW846-6010A
Zinc	U	0.1	mg/L		0.1	SW846-6010A
<b>METAL-D</b>						
Barium, Dissolved		0.205	mg/L		0.025	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		200	mg/L		100	EPA-160.2
<b>PPCB</b>						

## MW391

## SG02-05

## C-746-S&amp;T MW Abandonment and Replacement - Event 1 SG02-05

4,4'-DDD	U	0.0001	mg/L	0.0001	SW846-8081A
4,4'-DDE	U	0.0001	mg/L	0.0001	SW846-8081A
4,4'-DDT	U	0.0001	mg/L	0.0001	SW846-8081A
Aldrin	U	0.00005	mg/L	5E-05	SW846-8081A
alpha-BHC	U	0.00005	mg/L	5E-05	SW846-8081A
alpha-Chlordane	U	0.00005	mg/L	5E-05	SW846-8081A
beta-BHC	U	0.00005	mg/L	5E-05	SW846-8081A
delta-BHC	U	0.00005	mg/L	5E-05	SW846-8081A
Dieldrin	U	0.0001	mg/L	0.0001	SW846-8081A
Disulfoton	U	0.0005	mg/L	0.0005	SW846-8141
Endosulfan I	U	0.00005	mg/L	5E-05	SW846-8081A
Endosulfan II	U	0.0001	mg/L	0.0001	SW846-8081A
Endosulfan sulfate	U	0.0001	mg/L	0.0001	SW846-8081A
Endrin	U	0.0001	mg/L	0.0001	SW846-8081A
Endrin aldehyde	U	0.0001	mg/L	0.0001	SW846-8081A
Famphur	U	0.0012	mg/L	0.0012	SW846-8141
gamma-Chlordane	U	0.00005	mg/L	5E-05	SW846-8081A
Heptachlor	U	0.00005	mg/L	5E-05	SW846-8081A
Heptachlor epoxide	U	0.00005	mg/L	5E-05	SW846-8081A
Isodrin	U	0.0001	mg/L	0.0001	SW846-8081A
Kepone	U	0.0005	mg/L	0.0005	SW846-8081A
Lindane	U	0.00005	mg/L	5E-05	SW846-8081A
Methoxychlor	U	0.0005	mg/L	0.0005	SW846-8081A
Methyl parathion	U	0.0005	mg/L	0.0005	SW846-8141
Parathion	U	0.0005	mg/L	0.0005	SW846-8141
PCB-1016	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1221	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1232	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1242	U	0.00011	mg/L	0.0001	SW846-8082
PCB-1248	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1254	U	0.00013	mg/L	0.0001	SW846-8082
PCB-1260	U	0.00009	mg/L	9E-05	SW846-8082
PCB-1268	U	0.00009	mg/L	9E-05	SW846-8082
Phorate	U	0.0005	mg/L	0.0005	SW846-8141
Polychlorinated biphenyl	U	0.00017	mg/L	0.0002	SW846-8082
Sulfotepp	U	0.0005	mg/L	0.0005	SW846-8141
Thionazin	U	0.0005	mg/L	0.0005	SW846-8141
Toxaphene	U	0.005	mg/L	0.005	SW846-8081A

## RADS

Alpha activity	U	2.62	pCi/L	1.35	7.71	EPA-900.0
Beta activity	U	1.76	pCi/L	0.372	5.85	EPA-900.0
Strontium-90	U	5.11	pCi/L	1.21	14.3	RL-7145
Technetium-99	U	-3.4	pCi/L	0	18.8	RL-7100
Tritium	U	39.2	pCi/L	157	261	704R5

## SVOA

1,2,4,5-Tetrachlorobenzene	U	0.01	mg/L	0.01	SW846-8270C
1,2,4-Trichlorobenzene	U	0.01	mg/L	0.01	SW846-8270C
1,3,5-Trinitrobenzene	U	0.01	mg/L	0.01	SW846-8270C
1,3-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260B
1,3-Dinitrobenzene	U	0.01	mg/L	0.01	SW846-8270C
1,4-Dioxane	U	0.01	mg/L	0.01	SW846-8270C
1,4-Naphthoquinone	U	0.01	mg/L	0.01	SW846-8270C
1-Naphthalenamine	U	0.01	mg/L	0.01	SW846-8270C
2,3,4,6-Tetrachlorophenol	U	0.01	mg/L	0.01	SW846-8270C
2,4,5-Trichlorophenol	U	0.025	mg/L	0.025	SW846-8270C



## MW391

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2,4,6-Trichlorophenol	U	0.01	mg/L	0.01	SW846-8270C
2,4-Dichlorophenol	U	0.01	mg/L	0.01	SW846-8270C
2,4-Dimethylphenol	U	0.01	mg/L	0.01	SW846-8270C
2,4-Dinitrophenol	U	0.025	mg/L	0.025	SW846-8270C
2,4-Dinitrotoluene	U	0.01	mg/L	0.01	SW846-8270C
2,6-Dichlorophenol	U	0.01	mg/L	0.01	SW846-8270C
2,6-Dinitrotoluene	U	0.01	mg/L	0.01	SW846-8270C
2-Acetylaminofluorene	U	0.01	mg/L	0.01	SW846-8270C
2-Chloronaphthalene	U	0.01	mg/L	0.01	SW846-8270C
2-Chlorophenol	U	0.01	mg/L	0.01	SW846-8270C
2-Methyl-4,6-dinitrophenol	U	0.025	mg/L	0.025	SW846-8270C
2-Methylnaphthalene	U	0.01	mg/L	0.01	SW846-8270C
2-Methylphenol	U	0.01	mg/L	0.01	SW846-8270C
2-Nitrobenzenamine	U	0.025	mg/L	0.025	SW846-8270C
2-Nitrophenol	U	0.01	mg/L	0.01	SW846-8270C
3,3'-Dichlorobenzidine	U	0.01	mg/L	0.01	SW846-8270C
3,3'-Dimethylbenzidine	U	0.01	mg/L	0.01	SW846-8270C
3-Methylcholanthrene	U	0.01	mg/L	0.01	SW846-8270C
3-Methylphenol	U	0.01	mg/L	0.01	SW846-8270C
3-Nitrobenzenamine	U	0.025	mg/L	0.025	SW846-8270C
4-Aminobiphenyl	U	0.01	mg/L	0.01	SW846-8270C
4-Bromophenyl phenyl ether	U	0.01	mg/L	0.01	SW846-8270C
4-Chloro-3-methylphenol	U	0.01	mg/L	0.01	SW846-8270C
4-Chlorobenzenamine	U	0.01	mg/L	0.01	SW846-8270C
4-Chlorophenyl phenyl ether	U	0.01	mg/L	0.01	SW846-8270C
4-Nitrobenzenamine	U	0.025	mg/L	0.025	SW846-8270C
4-Nitrophenol	U	0.025	mg/L	0.025	SW846-8270C
5-(2-Propenyl)-1,3-benzodioxole (Safr	U	0.01	mg/L	0.01	SW846-8270C
5-Nitro-o-toluidine	U	0.01	mg/L	0.01	SW846-8270C
7,12-Dimethylbenz(a)anthracene	U	0.01	mg/L	0.01	SW846-8270C
Acenaphthene	U	0.01	mg/L	0.01	SW846-8270C
Acenaphthylene	U	0.01	mg/L	0.01	SW846-8270C
Acetophenone	U	0.01	mg/L	0.01	SW846-8270C
Anthracene	U	0.01	mg/L	0.01	SW846-8270C
Benz(a)anthracene	U	0.01	mg/L	0.01	SW846-8270C
Benzenemethanol	U	0.01	mg/L	0.01	SW846-8270C
Benzo(a)pyrene	U	0.01	mg/L	0.01	SW846-8270C
Benzo(b)fluoranthene	U	0.01	mg/L	0.01	SW846-8270C
Benzo(ghi)perylene	U	0.01	mg/L	0.01	SW846-8270C
Benzo(k)fluoranthene	U	0.01	mg/L	0.01	SW846-8270C
Bis(2-chloroethoxy)methane	U	0.01	mg/L	0.01	SW846-8270C
Bis(2-chloroethyl) ether	U	0.01	mg/L	0.01	SW846-8270C
Bis(2-chloroisopropyl) ether	U	0.01	mg/L	0.01	SW846-8270C
Bis(2-ethylhexyl)phthalate	J	0.005	mg/L	0.01	SW846-8270C
Butyl benzyl phthalate	U	0.01	mg/L	0.01	SW846-8270C
Chlorobenzilate	U	0.01	mg/L	0.01	SW846-8270C
Chrysene	U	0.01	mg/L	0.01	SW846-8270C
Diallate	U	0.01	mg/L	0.01	SW846-8270C
Dibenz(a,h)anthracene	U	0.01	mg/L	0.01	SW846-8270C
Dibenzofuran	U	0.01	mg/L	0.01	SW846-8270C
Diethyl phthalate	J	0.0005	mg/L	0.01	SW846-8270C
Dimethoate	U	0.0005	mg/L	0.0005	SW846-8141
Dimethyl phthalate	U	0.01	mg/L	0.01	SW846-8270C
Di-n-butyl phthalate	B	0.037	mg/L	0.01	SW846-8270C
Di-n-octylphthalate	U	0.01	mg/L	0.01	SW846-8270C

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Ethyl methanesulfonate	U	0.01	mg/L	0.01	SW846-8270C
Fluoranthene	U	0.01	mg/L	0.01	SW846-8270C
Fluorene	U	0.01	mg/L	0.01	SW846-8270C
Hexachloro-1-propene	U	0.01	mg/L	0.01	SW846-8270C
Hexachlorobenzene	U	0.01	mg/L	0.01	SW846-8270C
Hexachlorobutadiene	U	0.01	mg/L	0.01	SW846-8270C
Hexachlorocyclopentadiene	U	0.01	mg/L	0.01	SW846-8270C
Hexachloroethane	U	0.01	mg/L	0.01	SW846-8270C
Indeno(1,2,3-cd)pyrene	U	0.01	mg/L	0.01	SW846-8270C
Isodrin	U	0.01	mg/L	0.01	SW846-8270C
Isophorone	U	0.01	mg/L	0.01	SW846-8270C
Isosafrole	U	0.01	mg/L	0.01	SW846-8270C
Methapyrilene	U	0.01	mg/L	0.01	SW846-8270C
Methyl methanesulfonate	U	0.01	mg/L	0.01	SW846-8270C
Naphthalene	U	0.01	mg/L	0.01	SW846-8270C
Nitrobenzene	U	0.01	mg/L	0.01	SW846-8270C
N-Nitrosodiethylamine	U	0.01	mg/L	0.01	SW846-8270C
N-Nitrosodimethylamine	U	0.01	mg/L	0.01	SW846-8270C
N-Nitroso-di-n-butylamine	U	0.01	mg/L	0.01	SW846-8270C
N-Nitroso-di-n-propylamine	U	0.01	mg/L	0.01	SW846-8270C
N-Nitrosodiphenylamine	U	0.01	mg/L	0.01	SW846-8270C
N-Nitrosomethylethylamine	U	0.01	mg/L	0.01	SW846-8270C
N-Nitrosopiperidine	U	0.05	mg/L	0.05	SW846-8270C
N-Nitrosopyrrolidine	U	0.01	mg/L	0.01	SW846-8270C
O,O,O-Triethylphosphorothioate	U	0.0005	mg/L	0.0005	SW846-8141
o-Toluidine	U	0.01	mg/L	0.01	SW846-8270C
p-Dimethylaminoazobenzene	U	0.01	mg/L	0.01	SW846-8270C
Pentachlorobenzene	U	0.01	mg/L	0.01	SW846-8270C
Pentachloroethane	U	0.01	mg/L	0.01	SW846-8270C
Pentachloronitrobenzene	U	0.05	mg/L	0.05	SW846-8270C
Pentachlorophenol	U	0.025	mg/L	0.025	SW846-8270C
Phenacetin	U	0.01	mg/L	0.01	SW846-8270C
Phenanthrene	U	0.01	mg/L	0.01	SW846-8270C
Phenol	U	0.01	mg/L	0.01	SW846-8270C
p-Phenylenediamine	U	0.01	mg/L	0.01	SW846-8270C
Pronamide	U	0.01	mg/L	0.01	SW846-8270C
Pyrene	U	0.01	mg/L	0.01	SW846-8270C

**VOA**

1,1,1,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260B
1,1,1-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260B
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260B
1,1,2-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260B
1,1-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260B
1,1-Dichloropropene	U	0.01	mg/L	0.01	SW846-8260B
1,2,3-Trichloropropane	U	0.01	mg/L	0.01	SW846-8260B
1,2-Dibromo-3-chloropropane	U	0.02	mg/L	0.02	SW846-8260B
1,2-Dibromoethane	U	0.02	mg/L	0.02	SW846-8260B
1,2-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260B
1,2-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260B
1,2-Dichloropropane	U	0.005	mg/L	0.005	SW846-8260B
1,2-Dimethylbenzene	U	0.005	mg/L	0.005	SW846-8260B
1,3-Dichloropropane	U	0.01	mg/L	0.01	SW846-8260B
1,3-Dimethylbenzene	U	0.005	mg/L	0.005	SW846-8260B
1,4-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260B
2,2-Dichloropropane	U	0.01	mg/L	0.01	SW846-8260B

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## SG02-05

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2-Butanone	U	0.05	mg/L	0.05	SW846-8260B
2-Chloro-1,3-butadiene	U	0.01	mg/L	0.01	SW846-8260B
2-Chloroethyl vinyl ether	U	0.01	mg/L	0.01	SW846-8260B
2-Hexanone	U	0.01	mg/L	0.01	SW846-8260B
2-Naphthalenamine	U	0.01	mg/L	0.01	SW846-8270C
4-Methyl-2-pentanone	U	0.01	mg/L	0.01	SW846-8260B
Acetone	U	0.01	mg/L	0.01	SW846-8260B
Acetonitrile	U	0.02	mg/L	0.02	SW846-8260B
Acrolein	U	0.01	mg/L	0.01	SW846-8260B
Acrylonitrile	U	0.01	mg/L	0.01	SW846-8260B
Allyl chloride	U	0.02	mg/L	0.02	SW846-8260B
Benzene	U	0.005	mg/L	0.005	SW846-8260B
Bromochloromethane	U	0.005	mg/L	0.005	SW846-8260B
Bromodichloromethane	U	0.005	mg/L	0.005	SW846-8260B
Bromoform	U	0.005	mg/L	0.005	SW846-8260B
Bromomethane	U	0.01	mg/L	0.01	SW846-8260B
Carbon disulfide	U	0.005	mg/L	0.005	SW846-8260B
Carbon tetrachloride	U	0.005	mg/L	0.005	SW846-8260B
Chlorobenzene	U	0.005	mg/L	0.005	SW846-8260B
Chloroethane	U	0.01	mg/L	0.01	SW846-8260B
Chloromethane	U	0.01	mg/L	0.01	SW846-8260B
cis-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260B
cis-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260B
Dibromochloromethane	U	0.005	mg/L	0.005	SW846-8260B
Dibromomethane	U	0.01	mg/L	0.01	SW846-8260B
Dichlorodifluoromethane	U	0.01	mg/L	0.01	SW846-8260B
Ethanol	U	5	mg/L	5	SW846-8015B
Ethyl cyanide	U	0.05	mg/L	0.05	SW846-8260B
Ethyl methacrylate	U	0.01	mg/L	0.01	SW846-8260B
Ethylbenzene	U	0.005	mg/L	0.005	SW846-8260B
Iodomethane	U	0.01	mg/L	0.01	SW846-8260B
Isobutanol	U	0.1	mg/L	0.1	SW846-8260B
Methacrylonitrile	U	0.02	mg/L	0.02	SW846-8260B
Methyl methacrylate	U	0.01	mg/L	0.01	SW846-8260B
Methylene chloride	U	0.005	mg/L	0.005	SW846-8260B
Styrene	U	0.005	mg/L	0.005	SW846-8260B
Tetrachloroethene	U	0.005	mg/L	0.005	SW846-8260B
Toluene	U	0.005	mg/L	0.005	SW846-8260B
Total Xylene	U	0.005	mg/L	0.005	SW846-8260B
trans-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260B
trans-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260B
Trans-1,4-Dichloro-2-butene	U	0.02	mg/L	0.02	SW846-8260B
Trichloroethene		0.009	mg/L	0.005	SW846-8260B
Trichlorofluoromethane	U	0.005	mg/L	0.005	SW846-8260B
Vinyl acetate	U	0.01	mg/L	0.01	SW846-8260B
<b>WETCHEM</b>					
Bicarbonate as CaCO3	J	94	mg/L	10	SM-2320 B 17
Chemical Oxygen Demand (COD)	U	35	mg/L	35	EPA-410.4 1978
Cyanide	NUX	0.02	mg/L	0.02	SW846-9010-A
Iodide	U	2	mg/L	2	EPA-345.1 1974
Sulfide	U	1	mg/L	1	EPA-376.1
Total Organic Carbon (TOC)	UX	1	mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.05	mg/L	0.05	SW846-9020B
Turbidity		240	NTU	0.5	EPA-180.1 1978

**MW392**

**SG02-05**

**C-746-S&T MW Abandonment and Replacement - Event 1 SG02-05**

**MW392SG5-02**

Collected: 8/13/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		40.4	mg/L		2	SW846-9056
Fluoride		1.2	mg/L		1	SW846-9056
Sulfate		11.5	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.65	Inches/Hg			
Conductivity		450	umho/cm			
Depth to Water		38.49	ft			
Dissolved Oxygen		1.21	mg/L			
pH		6.45	Std Unit			
Temperature		62	deg F			
<b>HERB</b>						
2,4,5-T	U	0.0005	mg/L		0.0005	SW846-8151A
2,4-D	U	0.001	mg/L		0.001	SW846-8151A
Dinoseb	U	0.05	mg/L		0.05	SW846-8270C
Silvex	U	0.0005	mg/L		0.0005	SW846-8151A
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium		0.329	mg/L		0.025	SW846-6010A
Beryllium	U	0.005	mg/L		0.005	SW846-6010A
Boron	U	2	mg/L		2	SW846-6010A
Cadmium	UW	0.005	mg/L		0.005	SW846-7131
Calcium		28.5	mg/L		2	SW846-6010A
Chromium	U	0.025	mg/L		0.025	SW846-6010A
Cobalt	U	0.025	mg/L		0.025	SW846-6010A
Copper	U	0.05	mg/L		0.05	SW846-6010A
Iron		7.3	mg/L		0.2	SW846-6010A
Magnesium		9.91	mg/L		0.025	SW846-6010A
Manganese		2.68	mg/L		0.025	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	U	0.025	mg/L		0.025	SW846-6010A
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Potassium		2.12	mg/L		2	SW846-6010A
Rhodium	U	0.2	mg/L		0.2	SW846-6010A
Selenium	U	0.01	mg/L		0.01	SW846-7740
Silver	BU	0.025	mg/L		0.025	SW846-6010A
Sodium		48.4	mg/L		2	SW846-6010A
Tantalum	NU	0.2	mg/L		0.2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Tin	U	1	mg/L		1	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.025	mg/L		0.025	SW846-6010A
Zinc	U	0.1	mg/L		0.1	SW846-6010A
<b>METAL-D</b>						
Barium, Dissolved		0.263	mg/L		0.025	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		276	mg/L		100	EPA-160.2
<b>PCCB</b>						
4,4'-DDD	U	0.0001	mg/L		0.0001	SW846-8081A

## MW392

## SG02-05

## C-746-S&amp;T MW Abandonment and Replacement - Event 1 SG02-05

4,4'-DDE	U	0.0001	mg/L	0.0001	SW846-8081A
4,4'-DDT	U	0.0001	mg/L	0.0001	SW846-8081A
Aldrin	U	0.00005	mg/L	5E-05	SW846-8081A
alpha-BHC	U	0.00005	mg/L	5E-05	SW846-8081A
alpha-Chlordane	U	0.00005	mg/L	5E-05	SW846-8081A
beta-BHC	U	0.00005	mg/L	5E-05	SW846-8081A
delta-BHC	U	0.00005	mg/L	5E-05	SW846-8081A
Dieldrin	U	0.0001	mg/L	0.0001	SW846-8081A
Disulfoton	U	0.0005	mg/L	0.0005	SW846-8141
Endosulfan I	U	0.00005	mg/L	5E-05	SW846-8081A
Endosulfan II	U	0.0001	mg/L	0.0001	SW846-8081A
Endosulfan sulfate	U	0.0001	mg/L	0.0001	SW846-8081A
Endrin	U	0.0001	mg/L	0.0001	SW846-8081A
Endrin aldehyde	U	0.0001	mg/L	0.0001	SW846-8081A
Famphur	U	0.0012	mg/L	0.0012	SW846-8141
gamma-Chlordane	U	0.00005	mg/L	5E-05	SW846-8081A
Heptachlor	U	0.00005	mg/L	5E-05	SW846-8081A
Heptachlor epoxide	U	0.00005	mg/L	5E-05	SW846-8081A
Isodrin	U	0.0001	mg/L	0.0001	SW846-8081A
Kepone	U	0.0005	mg/L	0.0005	SW846-8081A
Lindane	U	0.00005	mg/L	5E-05	SW846-8081A
Methoxychlor	U	0.0005	mg/L	0.0005	SW846-8081A
Methyl parathion	U	0.0005	mg/L	0.0005	SW846-8141
Parathion	U	0.0005	mg/L	0.0005	SW846-8141
PCB-1016	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1221	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1232	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1242	U	0.00011	mg/L	0.0001	SW846-8082
PCB-1248	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1254	U	0.00013	mg/L	0.0001	SW846-8082
PCB-1260	U	0.00009	mg/L	9E-05	SW846-8082
PCB-1268	U	0.00009	mg/L	9E-05	SW846-8082
Phorate	U	0.0005	mg/L	0.0005	SW846-8141
Polychlorinated biphenyl	U	0.00017	mg/L	0.0002	SW846-8082
Sulfotepp	U	0.0005	mg/L	0.0005	SW846-8141
Thionazin	U	0.0005	mg/L	0.0005	SW846-8141
Toxaphene	U	0.005	mg/L	0.005	SW846-8081A

## RADS

Alpha activity	U	-1.55	pCi/L	1.17	10.1	EPA-900.0
Beta activity	U	3.39	pCi/L	0.681	6.38	EPA-900.0
Strontium-90	U	6.42	pCi/L	1.49	14.3	RL-7145
Technetium-99	U	10.9	pCi/L	16.1	18.8	RL-7100
Tritium	U	65.3	pCi/L	157	261	704R5

## SVOA

1,2,4,5-Tetrachlorobenzene	U	0.01	mg/L	0.01	SW846-8270C
1,2,4-Trichlorobenzene	U	0.01	mg/L	0.01	SW846-8270C
1,3,5-Trinitrobenzene	U	0.01	mg/L	0.01	SW846-8270C
1,3-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260B
1,3-Dinitrobenzene	U	0.01	mg/L	0.01	SW846-8270C
1,4-Dioxane	U	0.01	mg/L	0.01	SW846-8270C
1,4-Naphthoquinone	U	0.01	mg/L	0.01	SW846-8270C
1-Naphthalenamine	U	0.01	mg/L	0.01	SW846-8270C
2,3,4,6-Tetrachlorophenol	U	0.01	mg/L	0.01	SW846-8270C
2,4,5-Trichlorophenol	U	0.025	mg/L	0.025	SW846-8270C
2,4,6-Trichlorophenol	U	0.01	mg/L	0.01	SW846-8270C

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2,4-Dichlorophenol	U	0.01	mg/L	0.01	SW846-8270C
2,4-Dimethylphenol	U	0.01	mg/L	0.01	SW846-8270C
2,4-Dinitrophenol	U	0.025	mg/L	0.025	SW846-8270C
2,4-Dinitrotoluene	U	0.01	mg/L	0.01	SW846-8270C
2,6-Dichlorophenol	U	0.01	mg/L	0.01	SW846-8270C
2,6-Dinitrotoluene	U	0.01	mg/L	0.01	SW846-8270C
2-Acetylaminofluorene	U	0.01	mg/L	0.01	SW846-8270C
2-Chloronaphthalene	U	0.01	mg/L	0.01	SW846-8270C
2-Chlorophenol	U	0.01	mg/L	0.01	SW846-8270C
2-Methyl-4,6-dinitrophenol	U	0.025	mg/L	0.025	SW846-8270C
2-Methylnaphthalene	U	0.01	mg/L	0.01	SW846-8270C
2-Methylphenol	U	0.01	mg/L	0.01	SW846-8270C
2-Nitrobenzenamine	U	0.025	mg/L	0.025	SW846-8270C
2-Nitrophenol	U	0.01	mg/L	0.01	SW846-8270C
3,3'-Dichlorobenzidine	U	0.01	mg/L	0.01	SW846-8270C
3,3'-Dimethylbenzidine	U	0.01	mg/L	0.01	SW846-8270C
3-Methylcholanthrene	U	0.01	mg/L	0.01	SW846-8270C
3-Methylphenol		0.073	mg/L	0.01	SW846-8270C
3-Nitrobenzenamine	U	0.025	mg/L	0.025	SW846-8270C
4-Aminobiphenyl	U	0.01	mg/L	0.01	SW846-8270C
4-Bromophenyl phenyl ether	U	0.01	mg/L	0.01	SW846-8270C
4-Chloro-3-methylphenol	U	0.01	mg/L	0.01	SW846-8270C
4-Chlorobenzenamine	U	0.01	mg/L	0.01	SW846-8270C
4-Chlorophenyl phenyl ether	U	0.01	mg/L	0.01	SW846-8270C
4-Nitrobenzenamine	U	0.025	mg/L	0.025	SW846-8270C
4-Nitrophenol	U	0.025	mg/L	0.025	SW846-8270C
5-(2-Propenyl)-1,3-benzodioxole (Safr	U	0.01	mg/L	0.01	SW846-8270C
5-Nitro-o-toluidine	U	0.01	mg/L	0.01	SW846-8270C
7,12-Dimethylbenz(a)anthracene	U	0.01	mg/L	0.01	SW846-8270C
Acenaphthene	U	0.01	mg/L	0.01	SW846-8270C
Acenaphthylene	U	0.01	mg/L	0.01	SW846-8270C
Acetophenone	U	0.01	mg/L	0.01	SW846-8270C
Anthracene	U	0.01	mg/L	0.01	SW846-8270C
Benz(a)anthracene	U	0.01	mg/L	0.01	SW846-8270C
Benzenemethanol	U	0.01	mg/L	0.01	SW846-8270C
Benzo(a)pyrene	U	0.01	mg/L	0.01	SW846-8270C
Benzo(b)fluoranthene	U	0.01	mg/L	0.01	SW846-8270C
Benzo(ghi)perylene	U	0.01	mg/L	0.01	SW846-8270C
Benzo(k)fluoranthene	U	0.01	mg/L	0.01	SW846-8270C
Bis(2-chloroethoxy)methane	J	0.002	mg/L	0.01	SW846-8270C
Bis(2-chloroethyl) ether	U	0.01	mg/L	0.01	SW846-8270C
Bis(2-chloroisopropyl) ether	U	0.01	mg/L	0.01	SW846-8270C
Bis(2-ethylhexyl)phthalate	J	0.006	mg/L	0.01	SW846-8270C
Butyl benzyl phthalate	U	0.01	mg/L	0.01	SW846-8270C
Chlorobenzilate	U	0.01	mg/L	0.01	SW846-8270C
Chrysene	U	0.01	mg/L	0.01	SW846-8270C
Diallate	U	0.01	mg/L	0.01	SW846-8270C
Dibenz(a,h)anthracene	U	0.01	mg/L	0.01	SW846-8270C
Dibenzofuran	U	0.01	mg/L	0.01	SW846-8270C
Diethyl phthalate	J	0.0006	mg/L	0.01	SW846-8270C
Dimethoate	U	0.0005	mg/L	0.0005	SW846-8141
Dimethyl phthalate	U	0.01	mg/L	0.01	SW846-8270C
Di-n-butyl phthalate	JB	0.005	mg/L	0.01	SW846-8270C
Di-n-octylphthalate	U	0.01	mg/L	0.01	SW846-8270C
Ethyl methanesulfonate	U	0.01	mg/L	0.01	SW846-8270C

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Fluoranthene	U	0.01	mg/L	0.01	SW846-8270C
Fluorene	U	0.01	mg/L	0.01	SW846-8270C
Hexachloro-1-propene	U	0.01	mg/L	0.01	SW846-8270C
Hexachlorobenzene	U	0.01	mg/L	0.01	SW846-8270C
Hexachlorobutadiene	U	0.01	mg/L	0.01	SW846-8270C
Hexachlorocyclopentadiene	U	0.01	mg/L	0.01	SW846-8270C
Hexachloroethane	U	0.01	mg/L	0.01	SW846-8270C
Indeno(1,2,3-cd)pyrene	U	0.01	mg/L	0.01	SW846-8270C
Isodrin	U	0.01	mg/L	0.01	SW846-8270C
Isophorone	U	0.01	mg/L	0.01	SW846-8270C
Isosafrole	U	0.01	mg/L	0.01	SW846-8270C
Methapyrilene	U	0.01	mg/L	0.01	SW846-8270C
Methyl methanesulfonate	U	0.01	mg/L	0.01	SW846-8270C
Naphthalene	U	0.01	mg/L	0.01	SW846-8270C
Nitrobenzene	U	0.01	mg/L	0.01	SW846-8270C
N-Nitrosodiethylamine	U	0.01	mg/L	0.01	SW846-8270C
N-Nitrosodimethylamine	U	0.01	mg/L	0.01	SW846-8270C
N-Nitroso-di-n-butylamine	U	0.01	mg/L	0.01	SW846-8270C
N-Nitroso-di-n-propylamine	U	0.01	mg/L	0.01	SW846-8270C
N-Nitrosodiphenylamine	U	0.01	mg/L	0.01	SW846-8270C
N-Nitrosomethylethylamine	U	0.01	mg/L	0.01	SW846-8270C
N-Nitrosopiperidine	U	0.05	mg/L	0.05	SW846-8270C
N-Nitrosopyrrolidine	U	0.01	mg/L	0.01	SW846-8270C
O,O,O-Triethylphosphorothioate	U	0.0005	mg/L	0.0005	SW846-8141
o-Toluidine	U	0.01	mg/L	0.01	SW846-8270C
p-Dimethylaminoazobenzene	U	0.01	mg/L	0.01	SW846-8270C
Pentachlorobenzene	U	0.01	mg/L	0.01	SW846-8270C
Pentachloroethane	U	0.01	mg/L	0.01	SW846-8270C
Pentachloronitrobenzene	U	0.05	mg/L	0.05	SW846-8270C
Pentachlorophenol	U	0.025	mg/L	0.025	SW846-8270C
Phenacetin	U	0.01	mg/L	0.01	SW846-8270C
Phenanthrene	U	0.01	mg/L	0.01	SW846-8270C
Phenol	U	0.01	mg/L	0.01	SW846-8270C
p-Phenylenediamine	U	0.01	mg/L	0.01	SW846-8270C
Pronamide	U	0.01	mg/L	0.01	SW846-8270C
Pyrene	U	0.01	mg/L	0.01	SW846-8270C
<b>VOA</b>					
1,1,1,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260B
1,1,1-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260B
1,1,1,2,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260B
1,1,2-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260B
1,1-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260B
1,1-Dichloropropene	U	0.01	mg/L	0.01	SW846-8260B
1,2,3-Trichloropropane	U	0.01	mg/L	0.01	SW846-8260B
1,2-Dibromo-3-chloropropane	U	0.02	mg/L	0.02	SW846-8260B
1,2-Dibromoethane	U	0.02	mg/L	0.02	SW846-8260B
1,2-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260B
1,2-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260B
1,2-Dichloropropane	U	0.005	mg/L	0.005	SW846-8260B
1,2-Dimethylbenzene	U	0.005	mg/L	0.005	SW846-8260B
1,3-Dichloropropane	U	0.01	mg/L	0.01	SW846-8260B
1,3-Dimethylbenzene	J	0.001	mg/L	0.005	SW846-8260B
1,4-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260B
2,2-Dichloropropane	U	0.01	mg/L	0.01	SW846-8260B
2-Butanone	U	0.05	mg/L	0.05	SW846-8260B

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2-Chloro-1,3-butadiene	U	0.01	mg/L	0.01	SW846-8260B
2-Chloroethyl vinyl ether	U	0.01	mg/L	0.01	SW846-8260B
2-Hexanone	U	0.01	mg/L	0.01	SW846-8260B
2-Naphthalenamine	U	0.01	mg/L	0.01	SW846-8270C
4-Methyl-2-pentanone	U	0.01	mg/L	0.01	SW846-8260B
Acetone	B	0.024	mg/L	0.01	SW846-8260B
Acetonitrile	U	0.02	mg/L	0.02	SW846-8260B
Acrolein	U	0.01	mg/L	0.01	SW846-8260B
Acrylonitrile	U	0.01	mg/L	0.01	SW846-8260B
Allyl chloride	U	0.02	mg/L	0.02	SW846-8260B
Benzene	U	0.005	mg/L	0.005	SW846-8260B
Bromochloromethane	U	0.005	mg/L	0.005	SW846-8260B
Bromodichloromethane	U	0.005	mg/L	0.005	SW846-8260B
Bromoform	U	0.005	mg/L	0.005	SW846-8260B
Bromomethane	U	0.01	mg/L	0.01	SW846-8260B
Carbon disulfide	U	0.005	mg/L	0.005	SW846-8260B
Carbon tetrachloride	U	0.005	mg/L	0.005	SW846-8260B
Chlorobenzene	U	0.005	mg/L	0.005	SW846-8260B
Chloroethane	U	0.01	mg/L	0.01	SW846-8260B
Chloroform	J	0.004	mg/L	0.005	SW846-8260B
Chloromethane	U	0.01	mg/L	0.01	SW846-8260B
cis-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260B
cis-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260B
Dibromochloromethane	U	0.005	mg/L	0.005	SW846-8260B
Dibromomethane	U	0.01	mg/L	0.01	SW846-8260B
Dichlorodifluoromethane	U	0.01	mg/L	0.01	SW846-8260B
Ethanol	U	5	mg/L	5	SW846-8015B
Ethyl cyanide	U	0.05	mg/L	0.05	SW846-8260B
Ethyl methacrylate	U	0.01	mg/L	0.01	SW846-8260B
Ethylbenzene	U	0.005	mg/L	0.005	SW846-8260B
Iodomethane	U	0.01	mg/L	0.01	SW846-8260B
Isobutanol	U	0.1	mg/L	0.1	SW846-8260B
Methacrylonitrile	U	0.02	mg/L	0.02	SW846-8260B
Methyl methacrylate	U	0.01	mg/L	0.01	SW846-8260B
Methylene chloride	U	0.005	mg/L	0.005	SW846-8260B
Styrene	U	0.005	mg/L	0.005	SW846-8260B
Tetrachloroethene	U	0.005	mg/L	0.005	SW846-8260B
Toluene	U	0.005	mg/L	0.005	SW846-8260B
Total Xylene	J	0.001	mg/L	0.005	SW846-8260B
trans-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260B
trans-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260B
Trans-1,4-Dichloro-2-butene	U	0.02	mg/L	0.02	SW846-8260B
Trichloroethene		0.006	mg/L	0.005	SW846-8260B
Trichlorofluoromethane	U	0.005	mg/L	0.005	SW846-8260B
Vinyl acetate	U	0.01	mg/L	0.01	SW846-8260B
<b>WETCHEM</b>					
Bicarbonate as CaCO3	J	129	mg/L	10	SM-2320 B 17
Chemical Oxygen Demand (COD)	U	35	mg/L	35	EPA-410.4 1978
Cyanide	NUX	0.02	mg/L	0.02	SW846-9010-A
Iodide	U	2	mg/L	2	EPA-345.1 1974
Sulfide		1.3	mg/L	1	EPA-376.1
Total Organic Carbon (TOC)	X	12.2	mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.169	mg/L	0.05	SW846-9020B
Turbidity		85	NTU	0.5	EPA-180.1 1978



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MW393

SG02-05

C-746-S&T MW Abandonment and Replacement - Event 1 SG02-05

MW393SG5-02

Collected: 8/13/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		21.7	mg/L		2	SW846-9056
Fluoride		3.7	mg/L		1	SW846-9056
Sulfate		9.1	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.65	Inches/Hg			
Conductivity		627	umho/cm			
Depth to Water		25.37	ft			
Dissolved Oxygen		1.14	mg/L			
pH		6.32	Std Unit			
Temperature		63	deg F			
<b>HERB</b>						
2,4,5-T	U	0.0005	mg/L		0.0005	SW846-8151A
2,4-D	U	0.001	mg/L		0.001	SW846-8151A
Dinoseb	U	0.25	mg/L		0.25	SW846-8270C
Silvex	U	0.0005	mg/L		0.0005	SW846-8151A
<b>METAL</b>						
Aluminum		0.875	mg/L		0.2	SW846-6010A
Barium		0.04	mg/L		0.025	SW846-6010A
Beryllium	U	0.005	mg/L		0.005	SW846-6010A
Boron	U	2	mg/L		2	SW846-6010A
Cadmium	UW	0.005	mg/L		0.005	SW846-7131
Calcium		21.9	mg/L		2	SW846-6010A
Chromium	U	0.025	mg/L		0.025	SW846-6010A
Cobalt	U	0.025	mg/L		0.025	SW846-6010A
Copper	U	0.05	mg/L		0.05	SW846-6010A
Iron		15.8	mg/L		0.2	SW846-6010A
Magnesium		6.2	mg/L		0.025	SW846-6010A
Manganese		0.217	mg/L		0.025	SW846-6010A
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	U	0.025	mg/L		0.025	SW846-6010A
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Potassium	U	2	mg/L		2	SW846-6010A
Rhodium	U	0.2	mg/L		0.2	SW846-6010A
Selenium	U	0.01	mg/L		0.01	SW846-7740
Silver	BU	0.025	mg/L		0.025	SW846-6010A
Sodium		110	mg/L		2	SW846-6010A
Tantalum	NU	0.2	mg/L		0.2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Tin	U	1	mg/L		1	SW846-6010A
Uranium		0.002	mg/L		0.001	IN7105
Vanadium	U	0.025	mg/L		0.025	SW846-6010A
Zinc	U	0.1	mg/L		0.1	SW846-6010A
<b>METAL-D</b>						
Barium, Dissolved		0.031	mg/L		0.025	SW846-6010A
Uranium, Dissolved		0.002	mg/L		0.001	IN7105
<b>PHYSC</b>						
Dissolved Solids	*	225	mg/L		100	EPA-160.2
<b>PPCB</b>						

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4,4'-DDD	U	0.0001	mg/L	0.0001	SW846-8081A
4,4'-DDE	U	0.0001	mg/L	0.0001	SW846-8081A
4,4'-DDT	U	0.0001	mg/L	0.0001	SW846-8081A
Aldrin	U	0.00005	mg/L	5E-05	SW846-8081A
alpha-BHC	U	0.00005	mg/L	5E-05	SW846-8081A
alpha-Chlordane	U	0.00005	mg/L	5E-05	SW846-8081A
beta-BHC	U	0.00005	mg/L	5E-05	SW846-8081A
delta-BHC	U	0.00005	mg/L	5E-05	SW846-8081A
Dieldrin	U	0.0001	mg/L	0.0001	SW846-8081A
Disulfoton	U	0.0005	mg/L	0.0005	SW846-8141
Endosulfan I	U	0.00005	mg/L	5E-05	SW846-8081A
Endosulfan II	U	0.0001	mg/L	0.0001	SW846-8081A
Endosulfan sulfate	U	0.0001	mg/L	0.0001	SW846-8081A
Endrin	U	0.0001	mg/L	0.0001	SW846-8081A
Endrin aldehyde	U	0.0001	mg/L	0.0001	SW846-8081A
Famphur	U	0.0012	mg/L	0.0012	SW846-8141
gamma-Chlordane	U	0.00005	mg/L	5E-05	SW846-8081A
Heptachlor	U	0.00005	mg/L	5E-05	SW846-8081A
Heptachlor epoxide	U	0.00005	mg/L	5E-05	SW846-8081A
Isodrin	U	0.0001	mg/L	0.0001	SW846-8081A
Kepone	U	0.0005	mg/L	0.0005	SW846-8081A
Lindane	U	0.00005	mg/L	5E-05	SW846-8081A
Methoxychlor	U	0.0005	mg/L	0.0005	SW846-8081A
Methyl parathion	U	0.0005	mg/L	0.0005	SW846-8141
Parathion	U	0.0005	mg/L	0.0005	SW846-8141
PCB-1016	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1221	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1232	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1242	U	0.00011	mg/L	0.0001	SW846-8082
PCB-1248	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1254	U	0.00013	mg/L	0.0001	SW846-8082
PCB-1260	U	0.00009	mg/L	9E-05	SW846-8082
PCB-1268	U	0.00009	mg/L	9E-05	SW846-8082
Phorate	U	0.0005	mg/L	0.0005	SW846-8141
Polychlorinated biphenyl	U	0.00017	mg/L	0.0002	SW846-8082
Sulfotepp	U	0.0005	mg/L	0.0005	SW846-8141
Thionazin	U	0.0005	mg/L	0.0005	SW846-8141
Toxaphene	U	0.005	mg/L	0.005	SW846-8081A

**RADS**

Alpha activity	U	1.36	pCi/L	0.817	12.4	EPA-900.0
Beta activity	U	1.12	pCi/L	0.246	6.93	EPA-900.0
Strontium-90	U	4.36	pCi/L	1.05	14.3	RL-7145
Technetium-99	U	7.73	pCi/L	15.9	18.8	RL-7100
Tritium	U	-60.9	pCi/L	155	261	704R5

**SVOA**

1,2,4,5-Tetrachlorobenzene	U	0.05	mg/L	0.05	SW846-8270C
1,2,4-Trichlorobenzene	U	0.05	mg/L	0.05	SW846-8270C
1,3,5-Trinitrobenzene	U	0.05	mg/L	0.05	SW846-8270C
1,3-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260B
1,3-Dinitrobenzene	U	0.05	mg/L	0.05	SW846-8270C
1,4-Dioxane	U	0.05	mg/L	0.05	SW846-8270C
1,4-Naphthoquinone	U	0.05	mg/L	0.05	SW846-8270C
1-Naphthalenamine	U	0.05	mg/L	0.05	SW846-8270C
2,3,4,6-Tetrachlorophenol	U	0.05	mg/L	0.05	SW846-8270C
2,4,5-Trichlorophenol	U	0.12	mg/L	0.12	SW846-8270C

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2,4,6-Trichlorophenol	U	0.05	mg/L	0.05	SW846-8270C
2,4-Dichlorophenol	U	0.05	mg/L	0.05	SW846-8270C
2,4-Dimethylphenol	U	0.05	mg/L	0.05	SW846-8270C
2,4-Dinitrophenol	U	0.12	mg/L	0.12	SW846-8270C
2,4-Dinitrotoluene	U	0.05	mg/L	0.05	SW846-8270C
2,6-Dichlorophenol	U	0.05	mg/L	0.05	SW846-8270C
2,6-Dinitrotoluene	U	0.05	mg/L	0.05	SW846-8270C
2-Acetylaminofluorene	U	0.05	mg/L	0.05	SW846-8270C
2-Chloronaphthalene	U	0.05	mg/L	0.05	SW846-8270C
2-Chlorophenol	U	0.05	mg/L	0.05	SW846-8270C
2-Methyl-4,6-dinitrophenol	U	0.12	mg/L	0.12	SW846-8270C
2-Methylnaphthalene	U	0.05	mg/L	0.05	SW846-8270C
2-Methylphenol	U	0.05	mg/L	0.05	SW846-8270C
2-Nitrobenzenamine	U	0.12	mg/L	0.12	SW846-8270C
2-Nitrophenol	U	0.05	mg/L	0.05	SW846-8270C
3,3'-Dichlorobenzidine	U	0.05	mg/L	0.05	SW846-8270C
3,3'-Dimethylbenzidine	U	0.05	mg/L	0.05	SW846-8270C
3-Methylcholanthrene	U	0.05	mg/L	0.05	SW846-8270C
3-Methylphenol		0.28	mg/L	0.05	SW846-8270C
3-Nitrobenzenamine	U	0.12	mg/L	0.12	SW846-8270C
4-Aminobiphenyl	U	0.05	mg/L	0.05	SW846-8270C
4-Bromophenyl phenyl ether	U	0.05	mg/L	0.05	SW846-8270C
4-Chloro-3-methylphenol	U	0.05	mg/L	0.05	SW846-8270C
4-Chlorobenzenamine	U	0.05	mg/L	0.05	SW846-8270C
4-Chlorophenyl phenyl ether	U	0.05	mg/L	0.05	SW846-8270C
4-Nitrobenzenamine	U	0.12	mg/L	0.12	SW846-8270C
4-Nitrophenol	U	0.12	mg/L	0.12	SW846-8270C
5-(2-Propenyl)-1,3-benzodioxole (Safr	U	0.05	mg/L	0.05	SW846-8270C
5-Nitro-o-toluidine	U	0.05	mg/L	0.05	SW846-8270C
7,12-Dimethylbenz(a)anthracene	U	0.05	mg/L	0.05	SW846-8270C
Acenaphthene	U	0.05	mg/L	0.05	SW846-8270C
Acenaphthylene	U	0.05	mg/L	0.05	SW846-8270C
Acetophenone	U	0.05	mg/L	0.05	SW846-8270C
Anthracene	U	0.05	mg/L	0.05	SW846-8270C
Benz(a)anthracene	U	0.05	mg/L	0.05	SW846-8270C
Benzenemethanol	U	0.05	mg/L	0.05	SW846-8270C
Benzo(a)pyrene	U	0.05	mg/L	0.05	SW846-8270C
Benzo(b)fluoranthene	U	0.05	mg/L	0.05	SW846-8270C
Benzo(ghi)perylene	U	0.05	mg/L	0.05	SW846-8270C
Benzo(k)fluoranthene	U	0.05	mg/L	0.05	SW846-8270C
Bis(2-chloroethoxy)methane	U	0.05	mg/L	0.05	SW846-8270C
Bis(2-chloroethyl) ether	U	0.05	mg/L	0.05	SW846-8270C
Bis(2-chloroisopropyl) ether	U	0.05	mg/L	0.05	SW846-8270C
Bis(2-ethylhexyl)phthalate	J	0.009	mg/L	0.05	SW846-8270C
Butyl benzyl phthalate	U	0.05	mg/L	0.05	SW846-8270C
Chlorobenzilate	U	0.05	mg/L	0.05	SW846-8270C
Chrysene	U	0.05	mg/L	0.05	SW846-8270C
Diallate	U	0.05	mg/L	0.05	SW846-8270C
Dibenz(a,h)anthracene	U	0.05	mg/L	0.05	SW846-8270C
Dibenzofuran	U	0.05	mg/L	0.05	SW846-8270C
Diethyl phthalate	U	0.05	mg/L	0.05	SW846-8270C
Dimethoate	U	0.0005	mg/L	0.0005	SW846-8141
Dimethyl phthalate	U	0.05	mg/L	0.05	SW846-8270C
Di-n-butyl phthalate	JB	0.003	mg/L	0.05	SW846-8270C
Ethyl methanesulfonate	U	0.05	mg/L	0.05	SW846-8270C

## MW393

## SG02-05

## C-746-S&amp;T MW Abandonment and Replacement - Event 1 SG02-05

Fluoranthene	U	0.05	mg/L	0.05	SW846-8270C
Fluorene	U	0.05	mg/L	0.05	SW846-8270C
Hexachloro-1-propene	U	0.05	mg/L	0.05	SW846-8270C
Hexachlorobenzene	U	0.05	mg/L	0.05	SW846-8270C
Hexachlorobutadiene	U	0.05	mg/L	0.05	SW846-8270C
Hexachlorocyclopentadiene	U	0.05	mg/L	0.05	SW846-8270C
Hexachloroethane	U	0.05	mg/L	0.05	SW846-8270C
Indeno(1,2,3-cd)pyrene	U	0.05	mg/L	0.05	SW846-8270C
Isodrin	U	0.05	mg/L	0.05	SW846-8270C
Isophorone	U	0.05	mg/L	0.05	SW846-8270C
Isosafrole	U	0.05	mg/L	0.05	SW846-8270C
Methapyrilene	U	0.05	mg/L	0.05	SW846-8270C
Methyl methanesulfonate	U	0.05	mg/L	0.05	SW846-8270C
Nitrobenzene	U	0.05	mg/L	0.05	SW846-8270C
N-Nitrosodiethylamine	U	0.05	mg/L	0.05	SW846-8270C
N-Nitrosodimethylamine	U	0.05	mg/L	0.05	SW846-8270C
N-Nitroso-di-n-butylamine	U	0.05	mg/L	0.05	SW846-8270C
N-Nitroso-di-n-propylamine	U	0.05	mg/L	0.05	SW846-8270C
N-Nitrosodiphenylamine	U	0.05	mg/L	0.05	SW846-8270C
N-Nitrosomethylethylamine	U	0.05	mg/L	0.05	SW846-8270C
N-Nitrosopiperidine	U	0.25	mg/L	0.25	SW846-8270C
N-Nitrosopyrrolidine	U	0.05	mg/L	0.05	SW846-8270C
O,O,O-Triethylphosphorothioate	U	0.0005	mg/L	0.0005	SW846-8141
o-Toluidine	U	0.05	mg/L	0.05	SW846-8270C
p-Dimethylaminoazobenzene	U	0.05	mg/L	0.05	SW846-8270C
Pentachlorobenzene	U	0.05	mg/L	0.05	SW846-8270C
Pentachloroethane	U	0.05	mg/L	0.05	SW846-8270C
Pentachloronitrobenzene	U	0.25	mg/L	0.25	SW846-8270C
Pentachlorophenol	U	0.12	mg/L	0.12	SW846-8270C
Phenacetin	U	0.05	mg/L	0.05	SW846-8270C
Phenanthrene	U	0.05	mg/L	0.05	SW846-8270C
Phenol	U	0.05	mg/L	0.05	SW846-8270C
p-Phenylenediamine	U	0.05	mg/L	0.05	SW846-8270C
Pronamide	U	0.05	mg/L	0.05	SW846-8270C
Pyrene	U	0.05	mg/L	0.05	SW846-8270C

## VOA

1,1,1,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260B
1,1,1-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260B
1,1,1,2,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260B
1,1,2-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260B
1,1-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260B
1,1-Dichloropropene	U	0.01	mg/L	0.01	SW846-8260B
1,2,3-Trichloropropane	U	0.01	mg/L	0.01	SW846-8260B
1,2-Dibromo-3-chloropropane	U	0.02	mg/L	0.02	SW846-8260B
1,2-Dibromoethane	U	0.02	mg/L	0.02	SW846-8260B
1,2-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260B
1,2-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260B
1,2-Dichloropropane	U	0.005	mg/L	0.005	SW846-8260B
1,2-Dimethylbenzene	U	0.005	mg/L	0.005	SW846-8260B
1,3-Dichloropropane	U	0.01	mg/L	0.01	SW846-8260B
1,3-Dimethylbenzene	J	0.004	mg/L	0.005	SW846-8260B
1,4-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260B
2,2-Dichloropropane	U	0.01	mg/L	0.01	SW846-8260B
2-Butanone	J	0.009	mg/L	0.05	SW846-8260B
2-Chloro-1,3-butadiene	U	0.01	mg/L	0.01	SW846-8260B

**MW393****SG02-05****C-746-S&T MW Abandonment and Replacement - Event 1 SG02-05**

2-Chloroethyl vinyl ether	U	0.01 mg/L	0.01	SW846-8260B
2-Hexanone	U	0.01 mg/L	0.01	SW846-8260B
2-Naphthalenamine	U	0.05 mg/L	0.05	SW846-8270C
4-Methyl-2-pentanone	U	0.01 mg/L	0.01	SW846-8260B
Acetone	EB	0.22 mg/L	0.01	SW846-8260B
Acetonitrile	U	0.02 mg/L	0.02	SW846-8260B
Acrolein	U	0.01 mg/L	0.01	SW846-8260B
Acrylonitrile	U	0.01 mg/L	0.01	SW846-8260B
Allyl chloride	U	0.02 mg/L	0.02	SW846-8260B
Benzene	U	0.005 mg/L	0.005	SW846-8260B
Bromochloromethane	U	0.005 mg/L	0.005	SW846-8260B
Bromodichloromethane	U	0.005 mg/L	0.005	SW846-8260B
Bromoform	U	0.005 mg/L	0.005	SW846-8260B
Bromomethane	U	0.01 mg/L	0.01	SW846-8260B
Carbon disulfide	U	0.005 mg/L	0.005	SW846-8260B
Carbon tetrachloride	U	0.005 mg/L	0.005	SW846-8260B
Chlorobenzene	U	0.005 mg/L	0.005	SW846-8260B
Chloroethane	U	0.01 mg/L	0.01	SW846-8260B
Chloromethane	U	0.01 mg/L	0.01	SW846-8260B
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260B
cis-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260B
Dibromochloromethane	U	0.005 mg/L	0.005	SW846-8260B
Dibromomethane	U	0.01 mg/L	0.01	SW846-8260B
Dichlorodifluoromethane	U	0.01 mg/L	0.01	SW846-8260B
Ethanol	U	5 mg/L	5	SW846-8015B
Ethyl cyanide	U	0.05 mg/L	0.05	SW846-8260B
Ethyl methacrylate	U	0.01 mg/L	0.01	SW846-8260B
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260B
Iodomethane	U	0.01 mg/L	0.01	SW846-8260B
Isobutanol	U	0.1 mg/L	0.1	SW846-8260B
Methacrylonitrile	U	0.02 mg/L	0.02	SW846-8260B
Methyl methacrylate	U	0.01 mg/L	0.01	SW846-8260B
Methylene chloride	U	0.005 mg/L	0.005	SW846-8260B
Styrene	U	0.005 mg/L	0.005	SW846-8260B
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260B
Toluene	U	0.005 mg/L	0.005	SW846-8260B
Total Xylene	J	0.004 mg/L	0.005	SW846-8260B
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260B
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260B
Trans-1,4-Dichloro-2-butene	U	0.02 mg/L	0.02	SW846-8260B
Trichloroethene	U	0.005 mg/L	0.005	SW846-8260B
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260B
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260B
<b>WETCHEM</b>				
Bicarbonate as CaCO3	J	195 mg/L	10	SM-2320 B 17
Chemical Oxygen Demand (COD)		143 mg/L	35	EPA-410.4 1978
Cyanide	NUX	0.02 mg/L	0.02	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Sulfide		1.2 mg/L	1	EPA-376.1
Total Organic Carbon (TOC)	X	77 mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.712 mg/L	0.05	SW846-9020B
Turbidity		55 NTU	0.5	EPA-180.1 1978

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MW394

SG02-05

C-746-S&T MW Abandonment and Replacement - Event 1 SG02-05

MW394SG5-02

Collected: 8/13/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		60.4	mg/L		2	SW846-9056
Fluoride	U	1	mg/L		1	SW846-9056
Sulfate		11.2	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.47	Inches/Hg			
Conductivity		406	umho/cm			
Depth to Water		50.67	ft			
Dissolved Oxygen		6.09	mg/L			
pH		5.8	Std Unit			
Redox		90	mV			
Temperature		61.7	deg F			
<b>HERB</b>						
2,4,5-T	U	0.0005	mg/L		0.0005	SW846-8151A
2,4-D	U	0.001	mg/L		0.001	SW846-8151A
Dinoseb	U	0.05	mg/L		0.05	SW846-8270C
Silvex	U	0.0005	mg/L		0.0005	SW846-8151A
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium		0.218	mg/L		0.025	SW846-6010A
Beryllium	U	0.005	mg/L		0.005	SW846-6010A
Boron	U	2	mg/L		2	SW846-6010A
Cadmium	UW	0.005	mg/L		0.005	SW846-7131
Calcium		29.5	mg/L		2	SW846-6010A
Chromium	U	0.025	mg/L		0.025	SW846-6010A
Cobalt	U	0.025	mg/L		0.025	SW846-6010A
Copper	U	0.05	mg/L		0.05	SW846-6010A
Iron		1.34	mg/L		0.2	SW846-6010A
Magnesium		11.8	mg/L		0.025	SW846-6010A
Manganese		0.542	mg/L		0.025	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	U	0.025	mg/L		0.025	SW846-6010A
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Potassium	U	2	mg/L		2	SW846-6010A
Rhodium	U	0.2	mg/L		0.2	SW846-6010A
Selenium	U	0.01	mg/L		0.01	SW846-7740
Silver	BU	0.025	mg/L		0.025	SW846-6010A
Sodium		32.9	mg/L		2	SW846-6010A
Tantalum	NU	0.2	mg/L		0.2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Tin	U	1	mg/L		1	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.025	mg/L		0.025	SW846-6010A
Zinc	U	0.1	mg/L		0.1	SW846-6010A
<b>METAL-D</b>						
Barium, Dissolved		0.209	mg/L		0.025	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		247	mg/L		100	EPA-160.2
<b>PPCB</b>						

**MW394****SG02-05****C-746-S&T MW Abandonment and Replacement - Event 1 SG02-05**

4,4'-DDD	U	0.0001	mg/L	0.0001	SW846-8081A
4,4'-DDE	U	0.0001	mg/L	0.0001	SW846-8081A
4,4'-DDT	U	0.0001	mg/L	0.0001	SW846-8081A
Aldrin	U	0.00005	mg/L	5E-05	SW846-8081A
alpha-BHC	U	0.00005	mg/L	5E-05	SW846-8081A
alpha-Chlordane	U	0.00005	mg/L	5E-05	SW846-8081A
beta-BHC	U	0.00005	mg/L	5E-05	SW846-8081A
delta-BHC	U	0.00005	mg/L	5E-05	SW846-8081A
Dieldrin	U	0.0001	mg/L	0.0001	SW846-8081A
Disulfoton	U	0.0005	mg/L	0.0005	SW846-8141
Endosulfan I	U	0.00005	mg/L	5E-05	SW846-8081A
Endosulfan II	U	0.0001	mg/L	0.0001	SW846-8081A
Endosulfan sulfate	U	0.0001	mg/L	0.0001	SW846-8081A
Endrin	U	0.0001	mg/L	0.0001	SW846-8081A
Endrin aldehyde	U	0.0001	mg/L	0.0001	SW846-8081A
Famphur	U	0.0012	mg/L	0.0012	SW846-8141
gamma-Chlordane	U	0.00005	mg/L	5E-05	SW846-8081A
Heptachlor	U	0.00005	mg/L	5E-05	SW846-8081A
Heptachlor epoxide	U	0.00005	mg/L	5E-05	SW846-8081A
Isodrin	U	0.0001	mg/L	0.0001	SW846-8081A
Kepone	U	0.0005	mg/L	0.0005	SW846-8081A
Lindane	U	0.00005	mg/L	5E-05	SW846-8081A
Methoxychlor	U	0.0005	mg/L	0.0005	SW846-8081A
Methyl parathion	U	0.0005	mg/L	0.0005	SW846-8141
Parathion	U	0.0005	mg/L	0.0005	SW846-8141
PCB-1016	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1221	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1232	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1242	U	0.00011	mg/L	0.0001	SW846-8082
PCB-1248	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1254	U	0.00013	mg/L	0.0001	SW846-8082
PCB-1260	U	0.00009	mg/L	9E-05	SW846-8082
PCB-1268	U	0.00009	mg/L	9E-05	SW846-8082
Phorate	U	0.0005	mg/L	0.0005	SW846-8141
Polychlorinated biphenyl	U	0.00017	mg/L	0.0002	SW846-8082
Sulfotepp	U	0.0005	mg/L	0.0005	SW846-8141
Thionazin	U	0.0005	mg/L	0.0005	SW846-8141
Toxaphene	U	0.005	mg/L	0.005	SW846-8081A

**RADS**

Alpha activity	U	4.18	pCi/L	1.97	8.6	EPA-900.0
Beta activity	U	5.03	pCi/L	0.951	6.06	EPA-900.0
Strontium-90	U	-1.75	pCi/L	0.49	14.3	RL-7145
Technetium-99	U	14	pCi/L	16.1	18.8	RL-7100
Tritium	U	10.9	pCi/L	156	261	704R5

**SVOA**

1,2,4,5-Tetrachlorobenzene	U	0.01	mg/L	0.01	SW846-8270C
1,2,4-Trichlorobenzene	U	0.01	mg/L	0.01	SW846-8270C
1,3,5-Trinitrobenzene	U	0.01	mg/L	0.01	SW846-8270C
1,3-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260B
1,3-Dinitrobenzene	U	0.01	mg/L	0.01	SW846-8270C
1,4-Dioxane	U	0.01	mg/L	0.01	SW846-8270C
1,4-Naphthoquinone	U	0.01	mg/L	0.01	SW846-8270C
1-Naphthalenamine	U	0.01	mg/L	0.01	SW846-8270C
2,3,4,6-Tetrachlorophenol	U	0.01	mg/L	0.01	SW846-8270C
2,4,5-Trichlorophenol	U	0.025	mg/L	0.025	SW846-8270C

## MW394

## SG02-05

## C-746-S&amp;T MW Abandonment and Replacement - Event 1 SG02-05

2,4,6-Trichlorophenol	U	0.01	mg/L	0.01	SW846-8270C
2,4-Dichlorophenol	U	0.01	mg/L	0.01	SW846-8270C
2,4-Dimethylphenol	U	0.01	mg/L	0.01	SW846-8270C
2,4-Dinitrophenol	U	0.025	mg/L	0.025	SW846-8270C
2,4-Dinitrotoluene	U	0.01	mg/L	0.01	SW846-8270C
2,6-Dichlorophenol	U	0.01	mg/L	0.01	SW846-8270C
2,6-Dinitrotoluene	U	0.01	mg/L	0.01	SW846-8270C
2-Acetylaminofluorene	U	0.01	mg/L	0.01	SW846-8270C
2-Chloronaphthalene	U	0.01	mg/L	0.01	SW846-8270C
2-Chlorophenol	U	0.01	mg/L	0.01	SW846-8270C
2-Methyl-4,6-dinitrophenol	U	0.025	mg/L	0.025	SW846-8270C
2-Methylnaphthalene	U	0.01	mg/L	0.01	SW846-8270C
2-Methylphenol	U	0.01	mg/L	0.01	SW846-8270C
2-Nitrobenzenamine	U	0.025	mg/L	0.025	SW846-8270C
2-Nitrophenol	U	0.01	mg/L	0.01	SW846-8270C
3,3'-Dichlorobenzidine	U	0.01	mg/L	0.01	SW846-8270C
3,3'-Dimethylbenzidine	U	0.01	mg/L	0.01	SW846-8270C
3-Methylcholanthrene	U	0.01	mg/L	0.01	SW846-8270C
3-Methylphenol	U	0.01	mg/L	0.01	SW846-8270C
3-Nitrobenzenamine	U	0.025	mg/L	0.025	SW846-8270C
4-Aminobiphenyl	U	0.01	mg/L	0.01	SW846-8270C
4-Bromophenyl phenyl ether	U	0.01	mg/L	0.01	SW846-8270C
4-Chloro-3-methylphenol	U	0.01	mg/L	0.01	SW846-8270C
4-Chlorobenzenamine	U	0.01	mg/L	0.01	SW846-8270C
4-Chlorophenyl phenyl ether	U	0.01	mg/L	0.01	SW846-8270C
4-Nitrobenzenamine	U	0.025	mg/L	0.025	SW846-8270C
4-Nitrophenol	U	0.025	mg/L	0.025	SW846-8270C
5-(2-Propenyl)-1,3-benzodioxole (Safr	U	0.01	mg/L	0.01	SW846-8270C
5-Nitro-o-toluidine	U	0.01	mg/L	0.01	SW846-8270C
7,12-Dimethylbenz(a)anthracene	U	0.01	mg/L	0.01	SW846-8270C
Acenaphthene	U	0.01	mg/L	0.01	SW846-8270C
Acenaphthylene	U	0.01	mg/L	0.01	SW846-8270C
Acetophenone	U	0.01	mg/L	0.01	SW846-8270C
Anthracene	U	0.01	mg/L	0.01	SW846-8270C
Benz(a)anthracene	U	0.01	mg/L	0.01	SW846-8270C
Benzenemethanol	U	0.01	mg/L	0.01	SW846-8270C
Benzo(a)pyrene	U	0.01	mg/L	0.01	SW846-8270C
Benzo(b)fluoranthene	U	0.01	mg/L	0.01	SW846-8270C
Benzo(ghi)perylene	U	0.01	mg/L	0.01	SW846-8270C
Benzo(k)fluoranthene	U	0.01	mg/L	0.01	SW846-8270C
Bis(2-chloroethoxy)methane	U	0.01	mg/L	0.01	SW846-8270C
Bis(2-chloroethyl) ether	U	0.01	mg/L	0.01	SW846-8270C
Bis(2-chloroisopropyl) ether	U	0.01	mg/L	0.01	SW846-8270C
Bis(2-ethylhexyl)phthalate	J	0.007	mg/L	0.01	SW846-8270C
Butyl benzyl phthalate	U	0.01	mg/L	0.01	SW846-8270C
Chlorobenzilate	U	0.01	mg/L	0.01	SW846-8270C
Chrysene	U	0.01	mg/L	0.01	SW846-8270C
Diallate	U	0.01	mg/L	0.01	SW846-8270C
Dibenz(a,h)anthracene	U	0.01	mg/L	0.01	SW846-8270C
Dibenzofuran	U	0.01	mg/L	0.01	SW846-8270C
Diethyl phthalate	J	0.0005	mg/L	0.01	SW846-8270C
Dimethoate	U	0.0005	mg/L	0.0005	SW846-8141
Dimethyl phthalate	U	0.01	mg/L	0.01	SW846-8270C
Di-n-butyl phthalate	B	0.038	mg/L	0.01	SW846-8270C
Di-n-octylphthalate	U	0.01	mg/L	0.01	SW846-8270C



**MW394****SG02-05****C-746-S&T MW Abandonment and Replacement - Event 1 SG02-05**

Ethyl methanesulfonate	U	0.01	mg/L	0.01	SW846-8270C
Fluoranthene	U	0.01	mg/L	0.01	SW846-8270C
Fluorene	U	0.01	mg/L	0.01	SW846-8270C
Hexachloro-1-propene	U	0.01	mg/L	0.01	SW846-8270C
Hexachlorobenzene	U	0.01	mg/L	0.01	SW846-8270C
Hexachlorobutadiene	U	0.01	mg/L	0.01	SW846-8270C
Hexachlorocyclopentadiene	U	0.01	mg/L	0.01	SW846-8270C
Hexachloroethane	U	0.01	mg/L	0.01	SW846-8270C
Indeno(1,2,3-cd)pyrene	U	0.01	mg/L	0.01	SW846-8270C
Isodrin	U	0.01	mg/L	0.01	SW846-8270C
Isophorone	U	0.01	mg/L	0.01	SW846-8270C
Isosafrole	U	0.01	mg/L	0.01	SW846-8270C
Methapyrilene	U	0.01	mg/L	0.01	SW846-8270C
Methyl methanesulfonate	U	0.01	mg/L	0.01	SW846-8270C
Naphthalene	U	0.01	mg/L	0.01	SW846-8270C
Nitrobenzene	U	0.01	mg/L	0.01	SW846-8270C
N-Nitrosodiethylamine	U	0.01	mg/L	0.01	SW846-8270C
N-Nitrosodimethylamine	U	0.01	mg/L	0.01	SW846-8270C
N-Nitroso-di-n-butylamine	U	0.01	mg/L	0.01	SW846-8270C
N-Nitroso-di-n-propylamine	U	0.01	mg/L	0.01	SW846-8270C
N-Nitrosodiphenylamine	U	0.01	mg/L	0.01	SW846-8270C
N-Nitrosomethylethylamine	U	0.01	mg/L	0.01	SW846-8270C
N-Nitrosopiperidine	U	0.05	mg/L	0.05	SW846-8270C
N-Nitrosopyrrolidine	U	0.01	mg/L	0.01	SW846-8270C
O,O,O-Triethylphosphorothioate	U	0.0005	mg/L	0.0005	SW846-8141
o-Toluidine	U	0.01	mg/L	0.01	SW846-8270C
p-Dimethylaminoazobenzene	U	0.01	mg/L	0.01	SW846-8270C
Pentachlorobenzene	U	0.01	mg/L	0.01	SW846-8270C
Pentachloroethane	U	0.01	mg/L	0.01	SW846-8270C
Pentachloronitrobenzene	U	0.05	mg/L	0.05	SW846-8270C
Pentachlorophenol	U	0.025	mg/L	0.025	SW846-8270C
Phenacetin	U	0.01	mg/L	0.01	SW846-8270C
Phenanthrene	U	0.01	mg/L	0.01	SW846-8270C
Phenol	U	0.01	mg/L	0.01	SW846-8270C
p-Phenylenediamine	U	0.01	mg/L	0.01	SW846-8270C
Pronamide	U	0.01	mg/L	0.01	SW846-8270C
Pyrene	U	0.01	mg/L	0.01	SW846-8270C

**VOA**

1,1,1,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260B
1,1,1-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260B
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260B
1,1,2-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260B
1,1-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260B
1,1-Dichloropropene	U	0.01	mg/L	0.01	SW846-8260B
1,2,3-Trichloropropane	U	0.01	mg/L	0.01	SW846-8260B
1,2-Dibromo-3-chloropropane	U	0.02	mg/L	0.02	SW846-8260B
1,2-Dibromoethane	U	0.02	mg/L	0.02	SW846-8260B
1,2-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260B
1,2-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260B
1,2-Dichloropropane	U	0.005	mg/L	0.005	SW846-8260B
1,2-Dimethylbenzene	U	0.005	mg/L	0.005	SW846-8260B
1,3-Dichloropropane	U	0.01	mg/L	0.01	SW846-8260B
1,3-Dimethylbenzene	U	0.005	mg/L	0.005	SW846-8260B
1,4-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260B
2,2-Dichloropropane	U	0.01	mg/L	0.01	SW846-8260B

## MW394

## SG02-05

## C-746-S&amp;T MW Abandonment and Replacement - Event 1 SG02-05

2-Butanone	U	0.05	mg/L	0.05	SW846-8260B
2-Chloro-1,3-butadiene	U	0.01	mg/L	0.01	SW846-8260B
2-Chloroethyl vinyl ether	U	0.01	mg/L	0.01	SW846-8260B
2-Hexanone	U	0.01	mg/L	0.01	SW846-8260B
2-Naphthalenamine	U	0.01	mg/L	0.01	SW846-8270C
4-Methyl-2-pentanone	U	0.01	mg/L	0.01	SW846-8260B
Acetone	B	0.01	mg/L	0.01	SW846-8260B
Acetonitrile	U	0.02	mg/L	0.02	SW846-8260B
Acrolein	U	0.01	mg/L	0.01	SW846-8260B
Acrylonitrile	U	0.01	mg/L	0.01	SW846-8260B
Allyl chloride	U	0.02	mg/L	0.02	SW846-8260B
Benzene	U	0.005	mg/L	0.005	SW846-8260B
Bromochloromethane	U	0.005	mg/L	0.005	SW846-8260B
Bromodichloromethane	U	0.005	mg/L	0.005	SW846-8260B
Bromoform	U	0.005	mg/L	0.005	SW846-8260B
Bromomethane	U	0.01	mg/L	0.01	SW846-8260B
Carbon disulfide	U	0.005	mg/L	0.005	SW846-8260B
Carbon tetrachloride	U	0.005	mg/L	0.005	SW846-8260B
Chlorobenzene	U	0.005	mg/L	0.005	SW846-8260B
Chloroethane	U	0.01	mg/L	0.01	SW846-8260B
Chloromethane	U	0.01	mg/L	0.01	SW846-8260B
cis-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260B
cis-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260B
Dibromochloromethane	U	0.005	mg/L	0.005	SW846-8260B
Dibromomethane	U	0.01	mg/L	0.01	SW846-8260B
Dichlorodifluoromethane	U	0.01	mg/L	0.01	SW846-8260B
Ethanol	U	5	mg/L	5	SW846-8015B
Ethyl cyanide	U	0.05	mg/L	0.05	SW846-8260B
Ethyl methacrylate	U	0.01	mg/L	0.01	SW846-8260B
Ethylbenzene	U	0.005	mg/L	0.005	SW846-8260B
Iodomethane	U	0.01	mg/L	0.01	SW846-8260B
Isobutanol	U	0.1	mg/L	0.1	SW846-8260B
Methacrylonitrile	U	0.02	mg/L	0.02	SW846-8260B
Methyl methacrylate	U	0.01	mg/L	0.01	SW846-8260B
Methylene chloride	U	0.005	mg/L	0.005	SW846-8260B
Styrene	U	0.005	mg/L	0.005	SW846-8260B
Tetrachloroethene	U	0.005	mg/L	0.005	SW846-8260B
Toluene	U	0.005	mg/L	0.005	SW846-8260B
Total Xylene	U	0.005	mg/L	0.005	SW846-8260B
trans-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260B
trans-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260B
Trans-1,4-Dichloro-2-butene	U	0.02	mg/L	0.02	SW846-8260B
Trichloroethene		0.016	mg/L	0.005	SW846-8260B
Trichlorofluoromethane	U	0.005	mg/L	0.005	SW846-8260B
Vinyl acetate	U	0.01	mg/L	0.01	SW846-8260B
<b>WETCHEM</b>					
Bicarbonate as CaCO3	J	86	mg/L	10	SM-2320 B 17
Chemical Oxygen Demand (COD)	U	35	mg/L	35	EPA-410.4 1978
Cyanide	NUX	0.02	mg/L	0.02	SW846-9010-A
Iodide	U	2	mg/L	2	EPA-345.1 1974
Sulfide	U	1	mg/L	1	EPA-376.1
Total Organic Carbon (TOC)	X	1.3	mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.05	mg/L	0.05	SW846-9020B
Turbidity		8.2	NTU	0.5	EPA-180.1 1978

# Paducah-OREIS Data Report

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**MW395**

**SG02-05**

## C-746-S&T MW Abandonment and Replacement - Event 1 SG02-05

**MW395SG5-02**

Collected: 8/13/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		62.2	mg/L		2	SW846-9056
Fluoride	U	1	mg/L		1	SW846-9056
Sulfate		10.3	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.47	Inches/Hg			
Conductivity		405	umho/cm			
Depth to Water		51.38	ft			
Dissolved Oxygen		7.29	mg/L			
pH		5.8	Std Unit			
Redox		80	mV			
Temperature		61.6	deg F			
<b>HERB</b>						
2,4,5-T	U	0.0005	mg/L		0.0005	SW846-8151A
2,4-D	U	0.001	mg/L		0.001	SW846-8151A
Dinoseb	U	0.05	mg/L		0.05	SW846-8270C
Silvex	U	0.0005	mg/L		0.0005	SW846-8151A
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium		0.248	mg/L		0.025	SW846-6010A
Beryllium	U	0.005	mg/L		0.005	SW846-6010A
Boron	U	2	mg/L		2	SW846-6010A
Cadmium	UW	0.005	mg/L		0.005	SW846-7131
Calcium		32.2	mg/L		2	SW846-6010A
Chromium	U	0.025	mg/L		0.025	SW846-6010A
Cobalt	U	0.025	mg/L		0.025	SW846-6010A
Copper	U	0.05	mg/L		0.05	SW846-6010A
Iron		0.294	mg/L		0.2	SW846-6010A
Magnesium		12.5	mg/L		0.025	SW846-6010A
Manganese		0.361	mg/L		0.025	SW846-6010A
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	U	0.025	mg/L		0.025	SW846-6010A
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Potassium	U	2	mg/L		2	SW846-6010A
Rhodium	U	0.2	mg/L		0.2	SW846-6010A
Selenium	U	0.01	mg/L		0.01	SW846-7740
Silver	BU	0.025	mg/L		0.025	SW846-6010A
Sodium		27	mg/L		2	SW846-6010A
Tantalum	NU	0.2	mg/L		0.2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Tin	U	1	mg/L		1	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.025	mg/L		0.025	SW846-6010A
Zinc	U	0.1	mg/L		0.1	SW846-6010A
<b>METAL-D</b>						
Barium, Dissolved		0.24	mg/L		0.025	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		249	mg/L		100	EPA-160.2
<b>PPCB</b>						

**MW395****SG02-05****C-746-S&T MW Abandonment and Replacement - Event 1 SG02-05**

4,4'-DDD	U	0.0001	mg/L	0.0001	SW846-8081A
4,4'-DDE	U	0.0001	mg/L	0.0001	SW846-8081A
4,4'-DDT	U	0.0001	mg/L	0.0001	SW846-8081A
Aldrin	U	0.00005	mg/L	5E-05	SW846-8081A
alpha-BHC	U	0.00005	mg/L	5E-05	SW846-8081A
alpha-Chlordane	U	0.00005	mg/L	5E-05	SW846-8081A
beta-BHC	U	0.00005	mg/L	5E-05	SW846-8081A
delta-BHC	U	0.00005	mg/L	5E-05	SW846-8081A
Dieldrin	U	0.0001	mg/L	0.0001	SW846-8081A
Disulfoton	U	0.0005	mg/L	0.0005	SW846-8141
Endosulfan I	U	0.00005	mg/L	5E-05	SW846-8081A
Endosulfan II	U	0.0001	mg/L	0.0001	SW846-8081A
Endosulfan sulfate	U	0.0001	mg/L	0.0001	SW846-8081A
Endrin	U	0.0001	mg/L	0.0001	SW846-8081A
Endrin aldehyde	U	0.0001	mg/L	0.0001	SW846-8081A
Famphur	U	0.0012	mg/L	0.0012	SW846-8141
gamma-Chlordane	U	0.00005	mg/L	5E-05	SW846-8081A
Heptachlor	U	0.00005	mg/L	5E-05	SW846-8081A
Heptachlor epoxide	U	0.00005	mg/L	5E-05	SW846-8081A
Isodrin	U	0.0001	mg/L	0.0001	SW846-8081A
Kepone	U	0.0005	mg/L	0.0005	SW846-8081A
Lindane	U	0.00005	mg/L	5E-05	SW846-8081A
Methoxychlor	U	0.0005	mg/L	0.0005	SW846-8081A
Methyl parathion	U	0.0005	mg/L	0.0005	SW846-8141
Parathion	U	0.0005	mg/L	0.0005	SW846-8141
PCB-1016	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1221	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1232	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1242	U	0.00011	mg/L	0.0001	SW846-8082
PCB-1248	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1254	U	0.00013	mg/L	0.0001	SW846-8082
PCB-1260	U	0.00009	mg/L	9E-05	SW846-8082
PCB-1268	U	0.00009	mg/L	9E-05	SW846-8082
Phorate	U	0.0005	mg/L	0.0005	SW846-8141
Polychlorinated biphenyl	U	0.00017	mg/L	0.0002	SW846-8082
Sulfotepp	U	0.0005	mg/L	0.0005	SW846-8141
Thionazin	U	0.0005	mg/L	0.0005	SW846-8141
Toxaphene	U	0.005	mg/L	0.005	SW846-8081A

**RADS**

Alpha activity	U	-1.03	pCi/L	0.78	7.83	EPA-900.0
Beta activity	U	1.09	pCi/L	0.237	5.88	EPA-900.0
Strontium-90	U	11.3	pCi/L	2.38	14.3	RL-7145
Technetium-99		20.8	pCi/L	16.5	18.8	RL-7100
Tritium	U	13.1	pCi/L	156	261	704R5

**SVOA**

1,2,4,5-Tetrachlorobenzene	U	0.01	mg/L	0.01	SW846-8270C
1,2,4-Trichlorobenzene	U	0.01	mg/L	0.01	SW846-8270C
1,3,5-Trinitrobenzene	U	0.01	mg/L	0.01	SW846-8270C
1,3-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260B
1,3-Dinitrobenzene	U	0.01	mg/L	0.01	SW846-8270C
1,4-Dioxane	U	0.01	mg/L	0.01	SW846-8270C
1,4-Naphthoquinone	U	0.01	mg/L	0.01	SW846-8270C
1-Naphthalenamine	U	0.01	mg/L	0.01	SW846-8270C
2,3,4,6-Tetrachlorophenol	U	0.01	mg/L	0.01	SW846-8270C
2,4,5-Trichlorophenol	U	0.025	mg/L	0.025	SW846-8270C

## MW395

## SG02-05

## C-746-S&amp;T MW Abandonment and Replacement - Event 1 SG02-05

2,4,6-Trichlorophenol	U	0.01	mg/L	0.01	SW846-8270C
2,4-Dichlorophenol	U	0.01	mg/L	0.01	SW846-8270C
2,4-Dimethylphenol	U	0.01	mg/L	0.01	SW846-8270C
2,4-Dinitrophenol	U	0.025	mg/L	0.025	SW846-8270C
2,4-Dinitrotoluene	U	0.01	mg/L	0.01	SW846-8270C
2,6-Dichlorophenol	U	0.01	mg/L	0.01	SW846-8270C
2,6-Dinitrotoluene	U	0.01	mg/L	0.01	SW846-8270C
2-Acetylaminofluorene	U	0.01	mg/L	0.01	SW846-8270C
2-Chloronaphthalene	U	0.01	mg/L	0.01	SW846-8270C
2-Chlorophenol	U	0.01	mg/L	0.01	SW846-8270C
2-Methyl-4,6-dinitrophenol	U	0.025	mg/L	0.025	SW846-8270C
2-Methylnaphthalene	U	0.01	mg/L	0.01	SW846-8270C
2-Methylphenol	U	0.01	mg/L	0.01	SW846-8270C
2-Nitrobenzenamine	U	0.025	mg/L	0.025	SW846-8270C
2-Nitrophenol	U	0.01	mg/L	0.01	SW846-8270C
3,3'-Dichlorobenzidine	U	0.01	mg/L	0.01	SW846-8270C
3,3'-Dimethylbenzidine	U	0.01	mg/L	0.01	SW846-8270C
3-Methylcholanthrene	U	0.01	mg/L	0.01	SW846-8270C
3-Methylphenol	U	0.01	mg/L	0.01	SW846-8270C
3-Nitrobenzenamine	U	0.025	mg/L	0.025	SW846-8270C
4-Aminobiphenyl	U	0.01	mg/L	0.01	SW846-8270C
4-Bromophenyl phenyl ether	U	0.01	mg/L	0.01	SW846-8270C
4-Chloro-3-methylphenol	U	0.01	mg/L	0.01	SW846-8270C
4-Chlorobenzenamine	U	0.01	mg/L	0.01	SW846-8270C
4-Chlorophenyl phenyl ether	U	0.01	mg/L	0.01	SW846-8270C
4-Nitrobenzenamine	U	0.025	mg/L	0.025	SW846-8270C
4-Nitrophenol	U	0.025	mg/L	0.025	SW846-8270C
5-(2-Propenyl)-1,3-benzodioxole (Safr	U	0.01	mg/L	0.01	SW846-8270C
5-Nitro-o-toluidine	U	0.01	mg/L	0.01	SW846-8270C
7,12-Dimethylbenz(a)anthracene	U	0.01	mg/L	0.01	SW846-8270C
Acenaphthene	U	0.01	mg/L	0.01	SW846-8270C
Acenaphthylene	U	0.01	mg/L	0.01	SW846-8270C
Acetophenone	U	0.01	mg/L	0.01	SW846-8270C
Anthracene	U	0.01	mg/L	0.01	SW846-8270C
Benz(a)anthracene	U	0.01	mg/L	0.01	SW846-8270C
Benzenemethanol	U	0.01	mg/L	0.01	SW846-8270C
Benzo(a)pyrene	U	0.01	mg/L	0.01	SW846-8270C
Benzo(b)fluoranthene	U	0.01	mg/L	0.01	SW846-8270C
Benzo(ghi)perylene	U	0.01	mg/L	0.01	SW846-8270C
Benzo(k)fluoranthene	U	0.01	mg/L	0.01	SW846-8270C
Bis(2-chloroethoxy)methane	U	0.01	mg/L	0.01	SW846-8270C
Bis(2-chloroethyl) ether	U	0.01	mg/L	0.01	SW846-8270C
Bis(2-chloroisopropyl) ether	U	0.01	mg/L	0.01	SW846-8270C
Bis(2-ethylhexyl)phthalate	J	0.003	mg/L	0.01	SW846-8270C
Butyl benzyl phthalate	U	0.01	mg/L	0.01	SW846-8270C
Chlorobenzilate	U	0.01	mg/L	0.01	SW846-8270C
Chrysene	U	0.01	mg/L	0.01	SW846-8270C
Diallate	U	0.01	mg/L	0.01	SW846-8270C
Dibenz(a,h)anthracene	U	0.01	mg/L	0.01	SW846-8270C
Dibenzofuran	U	0.01	mg/L	0.01	SW846-8270C
Diethyl phthalate	U	0.01	mg/L	0.01	SW846-8270C
Dimethoate	U	0.0005	mg/L	0.0005	SW846-8141
Dimethyl phthalate	U	0.01	mg/L	0.01	SW846-8270C
Di-n-butyl phthalate	JB	0.003	mg/L	0.01	SW846-8270C
Di-n-octylphthalate	U	0.01	mg/L	0.01	SW846-8270C

**MW395****SG02-05****C-746-S&T MW Abandonment and Replacement - Event 1 SG02-05**

Ethyl methanesulfonate	U	0.01	mg/L	0.01	SW846-8270C
Fluoranthene	U	0.01	mg/L	0.01	SW846-8270C
Fluorene	U	0.01	mg/L	0.01	SW846-8270C
Hexachloro-1-propene	U	0.01	mg/L	0.01	SW846-8270C
Hexachlorobenzene	U	0.01	mg/L	0.01	SW846-8270C
Hexachlorobutadiene	U	0.01	mg/L	0.01	SW846-8270C
Hexachlorocyclopentadiene	U	0.01	mg/L	0.01	SW846-8270C
Hexachloroethane	U	0.01	mg/L	0.01	SW846-8270C
Indeno(1,2,3-cd)pyrene	U	0.01	mg/L	0.01	SW846-8270C
Isodrin	U	0.01	mg/L	0.01	SW846-8270C
Isophorone	U	0.01	mg/L	0.01	SW846-8270C
Isosafrole	U	0.01	mg/L	0.01	SW846-8270C
Methapyrilene	U	0.01	mg/L	0.01	SW846-8270C
Methyl methanesulfonate	U	0.01	mg/L	0.01	SW846-8270C
Naphthalene	U	0.01	mg/L	0.01	SW846-8270C
Nitrobenzene	U	0.01	mg/L	0.01	SW846-8270C
N-Nitrosodiethylamine	U	0.01	mg/L	0.01	SW846-8270C
N-Nitrosodimethylamine	U	0.01	mg/L	0.01	SW846-8270C
N-Nitroso-di-n-butylamine	U	0.01	mg/L	0.01	SW846-8270C
N-Nitroso-di-n-propylamine	U	0.01	mg/L	0.01	SW846-8270C
N-Nitrosodiphenylamine	U	0.01	mg/L	0.01	SW846-8270C
N-Nitrosomethylethylamine	U	0.01	mg/L	0.01	SW846-8270C
N-Nitrosopiperidine	U	0.05	mg/L	0.05	SW846-8270C
N-Nitrosopyrrolidine	U	0.01	mg/L	0.01	SW846-8270C
O,O,O-Triethylphosphorothioate	U	0.0005	mg/L	0.0005	SW846-8141
o-Toluidine	U	0.01	mg/L	0.01	SW846-8270C
p-Dimethylaminoazobenzene	U	0.01	mg/L	0.01	SW846-8270C
Pentachlorobenzene	U	0.01	mg/L	0.01	SW846-8270C
Pentachloroethane	U	0.01	mg/L	0.01	SW846-8270C
Pentachloronitrobenzene	U	0.05	mg/L	0.05	SW846-8270C
Pentachlorophenol	U	0.025	mg/L	0.025	SW846-8270C
Phenacetin	U	0.01	mg/L	0.01	SW846-8270C
Phenanthrene	U	0.01	mg/L	0.01	SW846-8270C
Phenol	U	0.01	mg/L	0.01	SW846-8270C
p-Phenylenediamine	U	0.01	mg/L	0.01	SW846-8270C
Pronamide	U	0.01	mg/L	0.01	SW846-8270C
Pyrene	U	0.01	mg/L	0.01	SW846-8270C

**VOA**

1,1,1,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260B
1,1,1-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260B
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260B
1,1,2-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260B
1,1-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260B
1,1-Dichloropropene	U	0.01	mg/L	0.01	SW846-8260B
1,2,3-Trichloropropane	U	0.01	mg/L	0.01	SW846-8260B
1,2-Dibromo-3-chloropropane	U	0.02	mg/L	0.02	SW846-8260B
1,2-Dibromoethane	U	0.02	mg/L	0.02	SW846-8260B
1,2-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260B
1,2-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260B
1,2-Dichloropropane	U	0.005	mg/L	0.005	SW846-8260B
1,2-Dimethylbenzene	U	0.005	mg/L	0.005	SW846-8260B
1,3-Dichloropropane	U	0.01	mg/L	0.01	SW846-8260B
1,3-Dimethylbenzene	U	0.005	mg/L	0.005	SW846-8260B
1,4-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260B
2,2-Dichloropropane	U	0.01	mg/L	0.01	SW846-8260B

## MW395

## SG02-05

## C-746-S&amp;T MW Abandonment and Replacement - Event 1 SG02-05

2-Butanone	U	0.05	mg/L	0.05	SW846-8260B
2-Chloro-1,3-butadiene	U	0.01	mg/L	0.01	SW846-8260B
2-Chloroethyl vinyl ether	U	0.01	mg/L	0.01	SW846-8260B
2-Hexanone	U	0.01	mg/L	0.01	SW846-8260B
2-Naphthalenamine	U	0.01	mg/L	0.01	SW846-8270C
4-Methyl-2-pentanone	U	0.01	mg/L	0.01	SW846-8260B
Acetone	B	0.011	mg/L	0.01	SW846-8260B
Acetonitrile	U	0.02	mg/L	0.02	SW846-8260B
Acrolein	U	0.01	mg/L	0.01	SW846-8260B
Acrylonitrile	U	0.01	mg/L	0.01	SW846-8260B
Allyl chloride	U	0.02	mg/L	0.02	SW846-8260B
Benzene	U	0.005	mg/L	0.005	SW846-8260B
Bromochloromethane	U	0.005	mg/L	0.005	SW846-8260B
Bromodichloromethane	U	0.005	mg/L	0.005	SW846-8260B
Bromoform	U	0.005	mg/L	0.005	SW846-8260B
Bromomethane	U	0.01	mg/L	0.01	SW846-8260B
Carbon disulfide	U	0.005	mg/L	0.005	SW846-8260B
Carbon tetrachloride	U	0.005	mg/L	0.005	SW846-8260B
Chlorobenzene	U	0.005	mg/L	0.005	SW846-8260B
Chloroethane	U	0.01	mg/L	0.01	SW846-8260B
Chloromethane	U	0.01	mg/L	0.01	SW846-8260B
cis-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260B
cis-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260B
Dibromochloromethane	U	0.005	mg/L	0.005	SW846-8260B
Dibromomethane	U	0.01	mg/L	0.01	SW846-8260B
Dichlorodifluoromethane	U	0.01	mg/L	0.01	SW846-8260B
Ethanol	U	5	mg/L	5	SW846-8015B
Ethyl cyanide	U	0.05	mg/L	0.05	SW846-8260B
Ethyl methacrylate	U	0.01	mg/L	0.01	SW846-8260B
Ethylbenzene	U	0.005	mg/L	0.005	SW846-8260B
Iodomethane	U	0.01	mg/L	0.01	SW846-8260B
Isobutanol	U	0.1	mg/L	0.1	SW846-8260B
Methacrylonitrile	U	0.02	mg/L	0.02	SW846-8260B
Methyl methacrylate	U	0.01	mg/L	0.01	SW846-8260B
Methylene chloride		0.014	mg/L	0.005	SW846-8260B
Styrene	U	0.005	mg/L	0.005	SW846-8260B
Tetrachloroethene	U	0.005	mg/L	0.005	SW846-8260B
Toluene	U	0.005	mg/L	0.005	SW846-8260B
Total Xylene	U	0.005	mg/L	0.005	SW846-8260B
trans-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260B
trans-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260B
Trans-1,4-Dichloro-2-butene	U	0.02	mg/L	0.02	SW846-8260B
Trichloroethene		0.011	mg/L	0.005	SW846-8260B
Trichlorofluoromethane	U	0.005	mg/L	0.005	SW846-8260B
Vinyl acetate	U	0.01	mg/L	0.01	SW846-8260B
<b>WETCHEM</b>					
Bicarbonate as CaCO3	J	79	mg/L	10	SM-2320 B 17
Chemical Oxygen Demand (COD)	U	35	mg/L	35	EPA-410.4 1978
Cyanide	NUX	0.02	mg/L	0.02	SW846-9010-A
Iodide	U	2	mg/L	2	EPA-345.1 1974
Sulfide	U	1	mg/L	1	EPA-376.1
Total Organic Carbon (TOC)	X	1.6	mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.05	mg/L	0.05	SW846-9020B
Turbidity		3.1	NTU	0.5	EPA-180.1 1978

# Paducah-OREIS Data Report

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**MW396**

**SG02-05**

## C-746-S&T MW Abandonment and Replacement - Event 1 SG02-05

**MW396SG5-02**

Collected: 8/13/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide		1.5	mg/L		1	SW846-9056
Chloride		91.6	mg/L		2	SW846-9056
Fluoride		2.3	mg/L		1	SW846-9056
Sulfate		41.9	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.47	Inches/Hg			
Conductivity		784	umho/cm			
Depth to Water		11.75	ft			
Dissolved Oxygen		5.45	mg/L			
pH		6.17	Std Unit			
Redox		60	mV			
Temperature		62	deg F			
<b>HERB</b>						
2,4,5-T	U	0.0005	mg/L		0.0005	SW846-8151A
2,4-D	U	0.001	mg/L		0.001	SW846-8151A
Dinoseb	U	0.05	mg/L		0.05	SW846-8270C
Silvex	U	0.0005	mg/L		0.0005	SW846-8151A
<b>METAL</b>						
Aluminum		0.393	mg/L		0.2	SW846-6010A
Barium		0.161	mg/L		0.025	SW846-6010A
Beryllium	U	0.005	mg/L		0.005	SW846-6010A
Boron	U	2	mg/L		2	SW846-6010A
Cadmium	UW	0.005	mg/L		0.005	SW846-7131
Calcium		38.4	mg/L		2	SW846-6010A
Chromium	U	0.025	mg/L		0.025	SW846-6010A
Cobalt	U	0.025	mg/L		0.025	SW846-6010A
Copper	U	0.05	mg/L		0.05	SW846-6010A
Iron		1.8	mg/L		0.2	SW846-6010A
Magnesium		15.5	mg/L		0.025	SW846-6010A
Manganese		0.57	mg/L		0.025	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	U	0.025	mg/L		0.025	SW846-6010A
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Potassium	U	2	mg/L		2	SW846-6010A
Rhodium	U	0.2	mg/L		0.2	SW846-6010A
Selenium	U	0.01	mg/L		0.01	SW846-7740
Silver	BU	0.025	mg/L		0.025	SW846-6010A
Sodium		115	mg/L		2	SW846-6010A
Tantalum	NU	0.2	mg/L		0.2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Tin	U	1	mg/L		1	SW846-6010A
Uranium		0.002	mg/L		0.001	IN7105
Vanadium	U	0.025	mg/L		0.025	SW846-6010A
Zinc	U	0.1	mg/L		0.1	SW846-6010A
<b>METAL-D</b>						
Barium, Dissolved		0.147	mg/L		0.025	SW846-6010A
Uranium, Dissolved		0.003	mg/L		0.001	IN7105
<b>PHYSC</b>						
Dissolved Solids		502	mg/L		100	EPA-160.2



## MW396

## SG02-05

## C-746-S&amp;T MW Abandonment and Replacement - Event 1 SG02-05

PPCB					
4,4'-DDD	U	0.0001	mg/L	0.0001	SW846-8081A
4,4'-DDE	U	0.0001	mg/L	0.0001	SW846-8081A
4,4'-DDT	U	0.0001	mg/L	0.0001	SW846-8081A
Aldrin	U	0.00005	mg/L	5E-05	SW846-8081A
alpha-BHC	U	0.00005	mg/L	5E-05	SW846-8081A
alpha-Chlordane	U	0.00005	mg/L	5E-05	SW846-8081A
beta-BHC	U	0.00005	mg/L	5E-05	SW846-8081A
delta-BHC	U	0.00005	mg/L	5E-05	SW846-8081A
Dieldrin	U	0.0001	mg/L	0.0001	SW846-8081A
Disulfoton	U	0.0005	mg/L	0.0005	SW846-8141
Endosulfan I	U	0.00005	mg/L	5E-05	SW846-8081A
Endosulfan II	U	0.0001	mg/L	0.0001	SW846-8081A
Endosulfan sulfate	U	0.0001	mg/L	0.0001	SW846-8081A
Endrin	U	0.0001	mg/L	0.0001	SW846-8081A
Endrin aldehyde	U	0.0001	mg/L	0.0001	SW846-8081A
Famphur	U	0.0012	mg/L	0.0012	SW846-8141
gamma-Chlordane	U	0.00005	mg/L	5E-05	SW846-8081A
Heptachlor	U	0.00005	mg/L	5E-05	SW846-8081A
Heptachlor epoxide	U	0.00005	mg/L	5E-05	SW846-8081A
Isodrin	U	0.0001	mg/L	0.0001	SW846-8081A
Kepone	U	0.0005	mg/L	0.0005	SW846-8081A
Lindane	U	0.00005	mg/L	5E-05	SW846-8081A
Methoxychlor	U	0.0005	mg/L	0.0005	SW846-8081A
Methyl parathion	U	0.0005	mg/L	0.0005	SW846-8141
Parathion	U	0.0005	mg/L	0.0005	SW846-8141
PCB-1016	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1221	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1232	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1242	U	0.00011	mg/L	0.0001	SW846-8082
PCB-1248	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1254	U	0.00013	mg/L	0.0001	SW846-8082
PCB-1260	U	0.00009	mg/L	9E-05	SW846-8082
PCB-1268	U	0.00009	mg/L	9E-05	SW846-8082
Phorate	U	0.0005	mg/L	0.0005	SW846-8141
Polychlorinated biphenyl	U	0.00017	mg/L	0.0002	SW846-8082
Sulfotepp	U	0.0005	mg/L	0.0005	SW846-8141
Thionazin	U	0.0005	mg/L	0.0005	SW846-8141
Toxaphene	U	0.005	mg/L	0.005	SW846-8081A
RADS					
Alpha activity	U	5.58	pCi/L	2.79	14 EPA-900.0
Beta activity	U	2.2	pCi/L	0.466	7.32 EPA-900.0
Strontium-90	U	1.41	pCi/L	0.365	14.3 RL-7145
Technetium-99	U	16.7	pCi/L	16.3	18.8 RL-7100
Tritium	U	67.5	pCi/L	157	261 704R5
SVOA					
1,2,4,5-Tetrachlorobenzene	U	0.01	mg/L	0.01	SW846-8270C
1,2,4-Trichlorobenzene	U	0.01	mg/L	0.01	SW846-8270C
1,3,5-Trinitrobenzene	U	0.01	mg/L	0.01	SW846-8270C
1,3-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260B
1,3-Dinitrobenzene	U	0.01	mg/L	0.01	SW846-8270C
1,4-Dioxane	U	0.01	mg/L	0.01	SW846-8270C
1,4-Naphthoquinone	U	0.01	mg/L	0.01	SW846-8270C
1-Naphthalenamine	U	0.01	mg/L	0.01	SW846-8270C
2,3,4,6-Tetrachlorophenol	U	0.01	mg/L	0.01	SW846-8270C

## MW396

## SG02-05

## C-746-S&amp;T MW Abandonment and Replacement - Event 1 SG02-05

2,4,5-Trichlorophenol	U	0.025	mg/L	0.025	SW846-8270C
2,4,6-Trichlorophenol	U	0.01	mg/L	0.01	SW846-8270C
2,4-Dichlorophenol	U	0.01	mg/L	0.01	SW846-8270C
2,4-Dimethylphenol	U	0.01	mg/L	0.01	SW846-8270C
2,4-Dinitrophenol	U	0.025	mg/L	0.025	SW846-8270C
2,4-Dinitrotoluene	U	0.01	mg/L	0.01	SW846-8270C
2,6-Dichlorophenol	U	0.01	mg/L	0.01	SW846-8270C
2,6-Dinitrotoluene	U	0.01	mg/L	0.01	SW846-8270C
2-Acetylaminofluorene	U	0.01	mg/L	0.01	SW846-8270C
2-Chloronaphthalene	U	0.01	mg/L	0.01	SW846-8270C
2-Chlorophenol	U	0.01	mg/L	0.01	SW846-8270C
2-Methyl-4,6-dinitrophenol	U	0.025	mg/L	0.025	SW846-8270C
2-Methylnaphthalene	U	0.01	mg/L	0.01	SW846-8270C
2-Methylphenol	U	0.01	mg/L	0.01	SW846-8270C
2-Nitrobenzenamine	U	0.025	mg/L	0.025	SW846-8270C
2-Nitrophenol	U	0.01	mg/L	0.01	SW846-8270C
3,3'-Dichlorobenzidine	U	0.01	mg/L	0.01	SW846-8270C
3,3'-Dimethylbenzidine	U	0.01	mg/L	0.01	SW846-8270C
3-Methylcholanthrene	U	0.01	mg/L	0.01	SW846-8270C
3-Methylphenol	J	0.006	mg/L	0.01	SW846-8270C
3-Nitrobenzenamine	U	0.025	mg/L	0.025	SW846-8270C
4-Aminobiphenyl	U	0.01	mg/L	0.01	SW846-8270C
4-Bromophenyl phenyl ether	U	0.01	mg/L	0.01	SW846-8270C
4-Chloro-3-methylphenol	U	0.01	mg/L	0.01	SW846-8270C
4-Chlorobenzenamine	U	0.01	mg/L	0.01	SW846-8270C
4-Chlorophenyl phenyl ether	U	0.01	mg/L	0.01	SW846-8270C
4-Nitrobenzenamine	U	0.025	mg/L	0.025	SW846-8270C
4-Nitrophenol	U	0.025	mg/L	0.025	SW846-8270C
5-(2-Propenyl)-1,3-benzodioxole (Safr	U	0.01	mg/L	0.01	SW846-8270C
5-Nitro-o-toluidine	U	0.01	mg/L	0.01	SW846-8270C
7,12-Dimethylbenz(a)anthracene	U	0.01	mg/L	0.01	SW846-8270C
Acenaphthene	U	0.01	mg/L	0.01	SW846-8270C
Acenaphthylene	U	0.01	mg/L	0.01	SW846-8270C
Acetophenone	U	0.01	mg/L	0.01	SW846-8270C
Anthracene	U	0.01	mg/L	0.01	SW846-8270C
Benz(a)anthracene	U	0.01	mg/L	0.01	SW846-8270C
Benzenemethanol	U	0.01	mg/L	0.01	SW846-8270C
Benzo(a)pyrene	U	0.01	mg/L	0.01	SW846-8270C
Benzo(b)fluoranthene	U	0.01	mg/L	0.01	SW846-8270C
Benzo(ghi)perylene	U	0.01	mg/L	0.01	SW846-8270C
Benzo(k)fluoranthene	U	0.01	mg/L	0.01	SW846-8270C
Bis(2-chloroethoxy)methane	U	0.01	mg/L	0.01	SW846-8270C
Bis(2-chloroethyl) ether	U	0.01	mg/L	0.01	SW846-8270C
Bis(2-chloroisopropyl) ether	U	0.01	mg/L	0.01	SW846-8270C
Bis(2-ethylhexyl)phthalate		0.015	mg/L	0.01	SW846-8270C
Butyl benzyl phthalate	J	0.006	mg/L	0.01	SW846-8270C
Chlorobenzilate	U	0.01	mg/L	0.01	SW846-8270C
Chrysene	U	0.01	mg/L	0.01	SW846-8270C
Diallate	U	0.01	mg/L	0.01	SW846-8270C
Dibenz(a,h)anthracene	U	0.01	mg/L	0.01	SW846-8270C
Dibenzofuran	U	0.01	mg/L	0.01	SW846-8270C
Diethyl phthalate	U	0.01	mg/L	0.01	SW846-8270C
Dimethoate	U	0.0005	mg/L	0.0005	SW846-8141
Dimethyl phthalate	U	0.01	mg/L	0.01	SW846-8270C
Di-n-butyl phthalate	JB	0.005	mg/L	0.01	SW846-8270C

**MW396****SG02-05****C-746-S&T MW Abandonment and Replacement - Event 1 SG02-05**

Di-n-octylphthalate	U	0.01	mg/L	0.01	SW846-8270C
Ethyl methanesulfonate	U	0.01	mg/L	0.01	SW846-8270C
Fluoranthene	U	0.01	mg/L	0.01	SW846-8270C
Fluorene	U	0.01	mg/L	0.01	SW846-8270C
Hexachloro-1-propene	U	0.01	mg/L	0.01	SW846-8270C
Hexachlorobenzene	U	0.01	mg/L	0.01	SW846-8270C
Hexachlorobutadiene	U	0.01	mg/L	0.01	SW846-8270C
Hexachlorocyclopentadiene	U	0.01	mg/L	0.01	SW846-8270C
Hexachloroethane	U	0.01	mg/L	0.01	SW846-8270C
Indeno(1,2,3-cd)pyrene	U	0.01	mg/L	0.01	SW846-8270C
Isodrin	U	0.01	mg/L	0.01	SW846-8270C
Isophorone	U	0.01	mg/L	0.01	SW846-8270C
Isosafrole	U	0.01	mg/L	0.01	SW846-8270C
Methapyrilene	U	0.01	mg/L	0.01	SW846-8270C
Methyl methanesulfonate	U	0.01	mg/L	0.01	SW846-8270C
Naphthalene	U	0.01	mg/L	0.01	SW846-8270C
Nitrobenzene	U	0.01	mg/L	0.01	SW846-8270C
N-Nitrosodiethylamine	U	0.01	mg/L	0.01	SW846-8270C
N-Nitrosodimethylamine	U	0.01	mg/L	0.01	SW846-8270C
N-Nitroso-di-n-butylamine	U	0.01	mg/L	0.01	SW846-8270C
N-Nitroso-di-n-propylamine	U	0.01	mg/L	0.01	SW846-8270C
N-Nitrosodiphenylamine	U	0.01	mg/L	0.01	SW846-8270C
N-Nitrosomethylethylamine	U	0.01	mg/L	0.01	SW846-8270C
N-Nitrosopiperidine	U	0.05	mg/L	0.05	SW846-8270C
N-Nitrosopyrrolidine	U	0.01	mg/L	0.01	SW846-8270C
O,O,O-Triethylphosphorothioate	U	0.0005	mg/L	0.0005	SW846-8141
o-Toluidine	U	0.01	mg/L	0.01	SW846-8270C
p-Dimethylaminoazobenzene	U	0.01	mg/L	0.01	SW846-8270C
Pentachlorobenzene	U	0.01	mg/L	0.01	SW846-8270C
Pentachloroethane	U	0.01	mg/L	0.01	SW846-8270C
Pentachloronitrobenzene	U	0.05	mg/L	0.05	SW846-8270C
Pentachlorophenol	U	0.025	mg/L	0.025	SW846-8270C
Phenacetin	U	0.01	mg/L	0.01	SW846-8270C
Phenanthrene	U	0.01	mg/L	0.01	SW846-8270C
Phenol	U	0.01	mg/L	0.01	SW846-8270C
p-Phenylenediamine	U	0.01	mg/L	0.01	SW846-8270C
Pronamide	U	0.01	mg/L	0.01	SW846-8270C
Pyrene	U	0.01	mg/L	0.01	SW846-8270C
<b>VOA</b>					
1,1,1,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260B
1,1,1-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260B
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260B
1,1,2-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260B
1,1-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260B
1,1-Dichloropropene	U	0.01	mg/L	0.01	SW846-8260B
1,2,3-Trichloropropane	U	0.01	mg/L	0.01	SW846-8260B
1,2-Dibromo-3-chloropropane	U	0.02	mg/L	0.02	SW846-8260B
1,2-Dibromoethane	U	0.02	mg/L	0.02	SW846-8260B
1,2-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260B
1,2-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260B
1,2-Dichloropropane	U	0.005	mg/L	0.005	SW846-8260B
1,2-Dimethylbenzene	U	0.005	mg/L	0.005	SW846-8260B
1,3-Dichloropropane	U	0.01	mg/L	0.01	SW846-8260B
1,3-Dimethylbenzene	U	0.005	mg/L	0.005	SW846-8260B
1,4-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260B

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2,2-Dichloropropane	U	0.01 mg/L	0.01	SW846-8260B
2-Butanone		0.012 mg/L	0.05	SW846-8260B
2-Chloro-1,3-butadiene	U	0.01 mg/L	0.01	SW846-8260B
2-Chloroethyl vinyl ether	U	0.01 mg/L	0.01	SW846-8260B
2-Hexanone	U	0.01 mg/L	0.01	SW846-8260B
2-Naphthalenamine	U	0.01 mg/L	0.01	SW846-8270C
4-Methyl-2-pentanone	U	0.01 mg/L	0.01	SW846-8260B
Acetone	B	0.15 mg/L	0.01	SW846-8260B
Acetonitrile	U	0.02 mg/L	0.02	SW846-8260B
Acrolein	U	0.01 mg/L	0.01	SW846-8260B
Acrylonitrile	U	0.01 mg/L	0.01	SW846-8260B
Allyl chloride	U	0.02 mg/L	0.02	SW846-8260B
Benzene	U	0.005 mg/L	0.005	SW846-8260B
Bromochloromethane	U	0.005 mg/L	0.005	SW846-8260B
Bromodichloromethane	U	0.005 mg/L	0.005	SW846-8260B
Bromoform	U	0.005 mg/L	0.005	SW846-8260B
Bromomethane	U	0.01 mg/L	0.01	SW846-8260B
Carbon disulfide	U	0.005 mg/L	0.005	SW846-8260B
Carbon tetrachloride	U	0.005 mg/L	0.005	SW846-8260B
Chlorobenzene	U	0.005 mg/L	0.005	SW846-8260B
Chloroethane	U	0.01 mg/L	0.01	SW846-8260B
Chloromethane	U	0.01 mg/L	0.01	SW846-8260B
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260B
cis-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260B
Dibromochloromethane	U	0.005 mg/L	0.005	SW846-8260B
Dibromomethane	U	0.01 mg/L	0.01	SW846-8260B
Dichlorodifluoromethane	U	0.01 mg/L	0.01	SW846-8260B
Ethanol	U	5 mg/L	5	SW846-8015B
Ethyl cyanide	U	0.05 mg/L	0.05	SW846-8260B
Ethyl methacrylate	U	0.01 mg/L	0.01	SW846-8260B
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260B
Iodomethane	U	0.01 mg/L	0.01	SW846-8260B
Isobutanol	U	0.1 mg/L	0.1	SW846-8260B
Methacrylonitrile	U	0.02 mg/L	0.02	SW846-8260B
Methyl methacrylate	U	0.01 mg/L	0.01	SW846-8260B
Methylene chloride		0.013 mg/L	0.005	SW846-8260B
Styrene	U	0.005 mg/L	0.005	SW846-8260B
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260B
Toluene	U	0.005 mg/L	0.005	SW846-8260B
Total Xylene	U	0.005 mg/L	0.005	SW846-8260B
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260B
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260B
Trans-1,4-Dichloro-2-butene	U	0.02 mg/L	0.02	SW846-8260B
Trichloroethene	U	0.005 mg/L	0.005	SW846-8260B
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260B
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260B
<b>WETCHEM</b>				
Bicarbonate as CaCO3	J	202 mg/L	10	SM-2320 B 17
Chemical Oxygen Demand (COD)		36 mg/L	35	EPA-410.4 1978
Cyanide	NUX	0.02 mg/L	0.02	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Sulfide	U	1 mg/L	1	EPA-376.1
Total Organic Carbon (TOC)	X	19 mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.193 mg/L	0.05	SW846-9020B
Turbidity		9 NTU	0.5	EPA-180.1 1978

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C-746-S&T MW Abandonment and Replacement - Event 1 SG02-05

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C-746-S&T MW Abandonment and Replacement - Event 1 SG02-05

MW397SG5-02

Collected: 8/13/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		38.9	mg/L		2	SW846-9056
Fluoride	U	1	mg/L		1	SW846-9056
Sulfate		14	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.47	Inches/Hg			
Conductivity		322	umho/cm			
Depth to Water		59.25	ft			
Dissolved Oxygen		11.56	mg/L			
pH		5.84	Std Unit			
Redox		115	mV			
Temperature		62.6	deg F			
<b>HERB</b>						
2,4,5-T	U	0.0005	mg/L		0.0005	SW846-8151A
2,4-D	U	0.001	mg/L		0.001	SW846-8151A
Dinoseb	U	0.05	mg/L		0.05	SW846-8270C
Silvex	U	0.0005	mg/L		0.0005	SW846-8151A
<b>METAL</b>						
Aluminum		0.824	mg/L		0.2	SW846-6010A
Barium		0.183	mg/L		0.025	SW846-6010A
Beryllium	U	0.005	mg/L		0.005	SW846-6010A
Boron	U	2	mg/L		2	SW846-6010A
Cadmium	UW	0.005	mg/L		0.005	SW846-7131
Calcium		19.4	mg/L		2	SW846-6010A
Chromium	U	0.025	mg/L		0.025	SW846-6010A
Cobalt	U	0.025	mg/L		0.025	SW846-6010A
Copper	U	0.05	mg/L		0.05	SW846-6010A
Iron		1.58	mg/L		0.2	SW846-6010A
Magnesium		7.83	mg/L		0.025	SW846-6010A
Manganese		0.466	mg/L		0.025	SW846-6010A
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	U	0.025	mg/L		0.025	SW846-6010A
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Potassium		2.03	mg/L		2	SW846-6010A
Rhodium	U	0.2	mg/L		0.2	SW846-6010A
Selenium	U	0.01	mg/L		0.01	SW846-7740
Silver	BU	0.025	mg/L		0.025	SW846-6010A
Sodium		35.2	mg/L		2	SW846-6010A
Tantalum	NU	0.2	mg/L		0.2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Tin	U	1	mg/L		1	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.025	mg/L		0.025	SW846-6010A
Zinc	U	0.1	mg/L		0.1	SW846-6010A
<b>METAL-D</b>						
Barium, Dissolved		0.162	mg/L		0.025	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		187	mg/L		100	EPA-160.2
<b>PPCB</b>						

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4,4'-DDD	U	0.0001	mg/L	0.0001	SW846-8081A
4,4'-DDE	U	0.0001	mg/L	0.0001	SW846-8081A
4,4'-DDT	U	0.0001	mg/L	0.0001	SW846-8081A
Aldrin	U	0.00005	mg/L	5E-05	SW846-8081A
alpha-BHC	U	0.00005	mg/L	5E-05	SW846-8081A
alpha-Chlordane	U	0.00005	mg/L	5E-05	SW846-8081A
beta-BHC	U	0.00005	mg/L	5E-05	SW846-8081A
delta-BHC	U	0.00005	mg/L	5E-05	SW846-8081A
Dieldrin	U	0.0001	mg/L	0.0001	SW846-8081A
Disulfoton	U	0.0005	mg/L	0.0005	SW846-8141
Endosulfan I	U	0.00005	mg/L	5E-05	SW846-8081A
Endosulfan II	U	0.0001	mg/L	0.0001	SW846-8081A
Endosulfan sulfate	U	0.0001	mg/L	0.0001	SW846-8081A
Endrin	U	0.0001	mg/L	0.0001	SW846-8081A
Endrin aldehyde	U	0.0001	mg/L	0.0001	SW846-8081A
Famphur	U	0.0012	mg/L	0.0012	SW846-8141
gamma-Chlordane	U	0.00005	mg/L	5E-05	SW846-8081A
Heptachlor	U	0.00005	mg/L	5E-05	SW846-8081A
Heptachlor epoxide	U	0.00005	mg/L	5E-05	SW846-8081A
Isodrin	U	0.0001	mg/L	0.0001	SW846-8081A
Kepone	U	0.0005	mg/L	0.0005	SW846-8081A
Lindane	U	0.00005	mg/L	5E-05	SW846-8081A
Methoxychlor	U	0.0005	mg/L	0.0005	SW846-8081A
Methyl parathion	U	0.0005	mg/L	0.0005	SW846-8141
Parathion	U	0.0005	mg/L	0.0005	SW846-8141
PCB-1016	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1221	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1232	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1242	U	0.00011	mg/L	0.0001	SW846-8082
PCB-1248	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1254	U	0.00013	mg/L	0.0001	SW846-8082
PCB-1260	U	0.00009	mg/L	9E-05	SW846-8082
PCB-1268	U	0.00009	mg/L	9E-05	SW846-8082
Phorate	U	0.0005	mg/L	0.0005	SW846-8141
Polychlorinated biphenyl	U	0.00017	mg/L	0.0002	SW846-8082
Sulfotepp	U	0.0005	mg/L	0.0005	SW846-8141
Thionazin	U	0.0005	mg/L	0.0005	SW846-8141
Toxaphene	U	0.005	mg/L	0.005	SW846-8081A

## RADS

Alpha activity	U	-2.18	pCi/L	1.78	7.64	EPA-900.0
Beta activity		9.57	pCi/L	1.58	5.84	EPA-900.0
Strontium-90	U	4.25	pCi/L	1.02	14.3	RL-7145
Technetium-99	U	6.06	pCi/L	15.8	18.8	RL-7100
Tritium	U	-21.8	pCi/L	156	261	704R5

## SVOA

1,2,4,5-Tetrachlorobenzene	U	0.01	mg/L	0.01	SW846-8270C
1,2,4-Trichlorobenzene	U	0.01	mg/L	0.01	SW846-8270C
1,3,5-Trinitrobenzene	U	0.01	mg/L	0.01	SW846-8270C
1,3-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260B
1,3-Dinitrobenzene	U	0.01	mg/L	0.01	SW846-8270C
1,4-Dioxane	U	0.01	mg/L	0.01	SW846-8270C
1,4-Naphthoquinone	U	0.01	mg/L	0.01	SW846-8270C
1-Naphthalenamine	U	0.01	mg/L	0.01	SW846-8270C
2,3,4,6-Tetrachlorophenol	U	0.01	mg/L	0.01	SW846-8270C
2,4,5-Trichlorophenol	U	0.025	mg/L	0.025	SW846-8270C

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2,4,6-Trichlorophenol	U	0.01	mg/L	0.01	SW846-8270C
2,4-Dichlorophenol	U	0.01	mg/L	0.01	SW846-8270C
2,4-Dimethylphenol	U	0.01	mg/L	0.01	SW846-8270C
2,4-Dinitrophenol	U	0.025	mg/L	0.025	SW846-8270C
2,4-Dinitrotoluene	U	0.01	mg/L	0.01	SW846-8270C
2,6-Dichlorophenol	U	0.01	mg/L	0.01	SW846-8270C
2,6-Dinitrotoluene	U	0.01	mg/L	0.01	SW846-8270C
2-Acetylaminofluorene	U	0.01	mg/L	0.01	SW846-8270C
2-Chloronaphthalene	U	0.01	mg/L	0.01	SW846-8270C
2-Chlorophenol	U	0.01	mg/L	0.01	SW846-8270C
2-Methyl-4,6-dinitrophenol	U	0.025	mg/L	0.025	SW846-8270C
2-Methylnaphthalene	U	0.01	mg/L	0.01	SW846-8270C
2-Methylphenol	U	0.01	mg/L	0.01	SW846-8270C
2-Nitrobenzenamine	U	0.025	mg/L	0.025	SW846-8270C
2-Nitrophenol	U	0.01	mg/L	0.01	SW846-8270C
3,3'-Dichlorobenzidine	U	0.01	mg/L	0.01	SW846-8270C
3,3'-Dimethylbenzidine	U	0.01	mg/L	0.01	SW846-8270C
3-Methylcholanthrene	U	0.01	mg/L	0.01	SW846-8270C
3-Methylphenol	U	0.01	mg/L	0.01	SW846-8270C
3-Nitrobenzenamine	U	0.025	mg/L	0.025	SW846-8270C
4-Aminobiphenyl	U	0.01	mg/L	0.01	SW846-8270C
4-Bromophenyl phenyl ether	U	0.01	mg/L	0.01	SW846-8270C
4-Chloro-3-methylphenol	U	0.01	mg/L	0.01	SW846-8270C
4-Chlorobenzenamine	U	0.01	mg/L	0.01	SW846-8270C
4-Chlorophenyl phenyl ether	U	0.01	mg/L	0.01	SW846-8270C
4-Nitrobenzenamine	U	0.025	mg/L	0.025	SW846-8270C
4-Nitrophenol	U	0.025	mg/L	0.025	SW846-8270C
5-(2-Propenyl)-1,3-benzodioxole (Safr	U	0.01	mg/L	0.01	SW846-8270C
5-Nitro-o-toluidine	U	0.01	mg/L	0.01	SW846-8270C
7,12-Dimethylbenz(a)anthracene	U	0.01	mg/L	0.01	SW846-8270C
Acenaphthene	U	0.01	mg/L	0.01	SW846-8270C
Acenaphthylene	U	0.01	mg/L	0.01	SW846-8270C
Acetophenone	U	0.01	mg/L	0.01	SW846-8270C
Anthracene	U	0.01	mg/L	0.01	SW846-8270C
Benz(a)anthracene	U	0.01	mg/L	0.01	SW846-8270C
Benzenemethanol	U	0.01	mg/L	0.01	SW846-8270C
Benzo(a)pyrene	U	0.01	mg/L	0.01	SW846-8270C
Benzo(b)fluoranthene	U	0.01	mg/L	0.01	SW846-8270C
Benzo(ghi)perylene	U	0.01	mg/L	0.01	SW846-8270C
Benzo(k)fluoranthene	U	0.01	mg/L	0.01	SW846-8270C
Bis(2-chloroethoxy)methane	U	0.01	mg/L	0.01	SW846-8270C
Bis(2-chloroethyl) ether	U	0.01	mg/L	0.01	SW846-8270C
Bis(2-chloroisopropyl) ether	U	0.01	mg/L	0.01	SW846-8270C
Bis(2-ethylhexyl)phthalate	J	0.003	mg/L	0.01	SW846-8270C
Butyl benzyl phthalate	U	0.01	mg/L	0.01	SW846-8270C
Chlorobenzilate	U	0.01	mg/L	0.01	SW846-8270C
Chrysene	U	0.01	mg/L	0.01	SW846-8270C
Diallate	U	0.01	mg/L	0.01	SW846-8270C
Dibenz(a,h)anthracene	U	0.01	mg/L	0.01	SW846-8270C
Dibenzofuran	U	0.01	mg/L	0.01	SW846-8270C
Diethyl phthalate	U	0.01	mg/L	0.01	SW846-8270C
Dimethoate	U	0.0005	mg/L	0.0005	SW846-8141
Dimethyl phthalate	U	0.01	mg/L	0.01	SW846-8270C
Di-n-butyl phthalate	JB	0.005	mg/L	0.01	SW846-8270C
Di-n-octylphthalate	U	0.01	mg/L	0.01	SW846-8270C



**MW397****SG02-05****C-746-S&T MW Abandonment and Replacement - Event 1 SG02-05**

Ethyl methanesulfonate	U	0.01	mg/L	0.01	SW846-8270C
Fluoranthene	U	0.01	mg/L	0.01	SW846-8270C
Fluorene	U	0.01	mg/L	0.01	SW846-8270C
Hexachloro-1-propene	U	0.01	mg/L	0.01	SW846-8270C
Hexachlorobenzene	U	0.01	mg/L	0.01	SW846-8270C
Hexachlorobutadiene	U	0.01	mg/L	0.01	SW846-8270C
Hexachlorocyclopentadiene	U	0.01	mg/L	0.01	SW846-8270C
Hexachloroethane	U	0.01	mg/L	0.01	SW846-8270C
Indeno(1,2,3-cd)pyrene	U	0.01	mg/L	0.01	SW846-8270C
Isodrin	U	0.01	mg/L	0.01	SW846-8270C
Isophorone	U	0.01	mg/L	0.01	SW846-8270C
Isosafrole	U	0.01	mg/L	0.01	SW846-8270C
Methapyrilene	U	0.01	mg/L	0.01	SW846-8270C
Methyl methanesulfonate	U	0.01	mg/L	0.01	SW846-8270C
Naphthalene	U	0.01	mg/L	0.01	SW846-8270C
Nitrobenzene	U	0.01	mg/L	0.01	SW846-8270C
N-Nitrosodiethylamine	U	0.01	mg/L	0.01	SW846-8270C
N-Nitrosodimethylamine	U	0.01	mg/L	0.01	SW846-8270C
N-Nitroso-di-n-butylamine	U	0.01	mg/L	0.01	SW846-8270C
N-Nitroso-di-n-propylamine	U	0.01	mg/L	0.01	SW846-8270C
N-Nitrosodiphenylamine	U	0.01	mg/L	0.01	SW846-8270C
N-Nitrosomethylethylamine	U	0.01	mg/L	0.01	SW846-8270C
N-Nitrosopiperidine	U	0.05	mg/L	0.05	SW846-8270C
N-Nitrosopyrrolidine	U	0.01	mg/L	0.01	SW846-8270C
O,O,O-Triethylphosphorothioate	U	0.0005	mg/L	0.0005	SW846-8141
o-Toluidine	U	0.01	mg/L	0.01	SW846-8270C
p-Dimethylaminoazobenzene	U	0.01	mg/L	0.01	SW846-8270C
Pentachlorobenzene	U	0.01	mg/L	0.01	SW846-8270C
Pentachloroethane	U	0.01	mg/L	0.01	SW846-8270C
Pentachloronitrobenzene	U	0.05	mg/L	0.05	SW846-8270C
Pentachlorophenol	U	0.025	mg/L	0.025	SW846-8270C
Phenacetin	U	0.01	mg/L	0.01	SW846-8270C
Phenanthrene	U	0.01	mg/L	0.01	SW846-8270C
Phenol	U	0.01	mg/L	0.01	SW846-8270C
p-Phenylenediamine	U	0.01	mg/L	0.01	SW846-8270C
Pronamide	U	0.01	mg/L	0.01	SW846-8270C
Pyrene	U	0.01	mg/L	0.01	SW846-8270C

**VOA**

1,1,1,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260B
1,1,1-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260B
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260B
1,1,2-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260B
1,1-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260B
1,1-Dichloropropene	U	0.01	mg/L	0.01	SW846-8260B
1,2,3-Trichloropropane	U	0.01	mg/L	0.01	SW846-8260B
1,2-Dibromo-3-chloropropane	U	0.02	mg/L	0.02	SW846-8260B
1,2-Dibromoethane	U	0.02	mg/L	0.02	SW846-8260B
1,2-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260B
1,2-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260B
1,2-Dichloropropane	U	0.005	mg/L	0.005	SW846-8260B
1,2-Dimethylbenzene	U	0.005	mg/L	0.005	SW846-8260B
1,3-Dichloropropane	U	0.01	mg/L	0.01	SW846-8260B
1,3-Dimethylbenzene	U	0.005	mg/L	0.005	SW846-8260B
1,4-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260B
2,2-Dichloropropane	U	0.01	mg/L	0.01	SW846-8260B

## MW397

## SG02-05

## C-746-S&amp;T MW Abandonment and Replacement - Event 1 SG02-05

2-Butanone	U	0.05	mg/L	0.05	SW846-8260B
2-Chloro-1,3-butadiene	U	0.01	mg/L	0.01	SW846-8260B
2-Chloroethyl vinyl ether	U	0.01	mg/L	0.01	SW846-8260B
2-Hexanone	U	0.01	mg/L	0.01	SW846-8260B
2-Naphthalenamine	U	0.01	mg/L	0.01	SW846-8270C
4-Methyl-2-pentanone	U	0.01	mg/L	0.01	SW846-8260B
Acetone	U	0.01	mg/L	0.01	SW846-8260B
Acetonitrile	U	0.02	mg/L	0.02	SW846-8260B
Acrolein	U	0.01	mg/L	0.01	SW846-8260B
Acrylonitrile	U	0.01	mg/L	0.01	SW846-8260B
Allyl chloride	U	0.02	mg/L	0.02	SW846-8260B
Benzene	U	0.005	mg/L	0.005	SW846-8260B
Bromochloromethane	U	0.005	mg/L	0.005	SW846-8260B
Bromodichloromethane	U	0.005	mg/L	0.005	SW846-8260B
Bromoform	U	0.005	mg/L	0.005	SW846-8260B
Bromomethane	U	0.01	mg/L	0.01	SW846-8260B
Carbon disulfide	U	0.005	mg/L	0.005	SW846-8260B
Carbon tetrachloride	U	0.005	mg/L	0.005	SW846-8260B
Chlorobenzene	U	0.005	mg/L	0.005	SW846-8260B
Chloroethane	U	0.01	mg/L	0.01	SW846-8260B
Chloromethane	U	0.01	mg/L	0.01	SW846-8260B
cis-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260B
cis-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260B
Dibromochloromethane	U	0.005	mg/L	0.005	SW846-8260B
Dibromomethane	U	0.01	mg/L	0.01	SW846-8260B
Dichlorodifluoromethane	U	0.01	mg/L	0.01	SW846-8260B
Ethanol	U	5	mg/L	5	SW846-8015B
Ethyl cyanide	U	0.05	mg/L	0.05	SW846-8260B
Ethyl methacrylate	U	0.01	mg/L	0.01	SW846-8260B
Ethylbenzene	U	0.005	mg/L	0.005	SW846-8260B
Iodomethane	U	0.01	mg/L	0.01	SW846-8260B
Isobutanol	U	0.1	mg/L	0.1	SW846-8260B
Methacrylonitrile	U	0.02	mg/L	0.02	SW846-8260B
Methyl methacrylate	U	0.01	mg/L	0.01	SW846-8260B
Methylene chloride		0.012	mg/L	0.005	SW846-8260B
Styrene	U	0.005	mg/L	0.005	SW846-8260B
Tetrachloroethene	U	0.005	mg/L	0.005	SW846-8260B
Toluene	U	0.005	mg/L	0.005	SW846-8260B
Total Xylene	U	0.005	mg/L	0.005	SW846-8260B
trans-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260B
trans-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260B
Trans-1,4-Dichloro-2-butene	U	0.02	mg/L	0.02	SW846-8260B
Trichloroethene	U	0.005	mg/L	0.005	SW846-8260B
Trichlorofluoromethane	U	0.005	mg/L	0.005	SW846-8260B
Vinyl acetate	U	0.01	mg/L	0.01	SW846-8260B
<b>WETCHEM</b>					
Bicarbonate as CaCO3	J	70	mg/L	10	SM-2320 B 17
Chemical Oxygen Demand (COD)		40	mg/L	35	EPA-410.4 1978
Cyanide	NUX	0.02	mg/L	0.02	SW846-9010-A
Iodide	U	2	mg/L	2	EPA-345.1 1974
Sulfide	U	1	mg/L	1	EPA-376.1
Total Organic Carbon (TOC)	UX	1	mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.05	mg/L	0.05	SW846-9020B
Turbidity		16	NTU	0.5	EPA-180.1 1978

# Paducah-OREIS Data Report

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**MW384**

**SG02-06**

## C-746-S&T MW Abandonment and Replacement - Event 2 SG02-06

**MW384SG6-02**

Collected: 9/17/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		41.8	mg/L		2	SW846-9056
Fluoride	U	1	mg/L		1	SW846-9056
Sulfate		19.9	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.62	Inches/Hg			
Conductivity		1020	umho/cm			
Depth to Water		39.72	ft			
Dissolved Oxygen		0.49	mg/L			
pH		6.7	Std Unit			
Temperature		63.4	deg F			
<b>HERB</b>						
2,4,5-T	U	0.0005	mg/L		0.0005	SW846-8151A
2,4-D	U	0.001	mg/L		0.001	SW846-8151A
Dinoseb	U	0.15	mg/L		0.15	SW846-8270C
Silvex	U	0.0005	mg/L		0.0005	SW846-8151A
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Arsenic	W	0.01	mg/L		0.005	SW846-7060
Barium		0.211	mg/L		0.025	SW846-6010A
Beryllium	U	0.005	mg/L		0.005	SW846-6010A
Boron	U	2	mg/L		2	SW846-6010A
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Calcium	N	27.8	mg/L		2	SW846-6010A
Chromium	U	0.025	mg/L		0.025	SW846-6010A
Cobalt	U	0.025	mg/L		0.025	SW846-6010A
Copper	U	0.05	mg/L		0.05	SW846-6010A
Iron		8.19	mg/L		0.2	SW846-6010A
Magnesium		10.1	mg/L		0.025	SW846-6010A
Manganese		1.7	mg/L		0.025	SW846-6010A
Mercury	BUW	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	U	0.025	mg/L		0.025	SW846-6010A
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Potassium	U	2	mg/L		2	SW846-6010A
Rhodium	UX	0.2	mg/L		0.2	SW846-6010A
Selenium	UW	0.01	mg/L		0.01	SW846-7740
Silver	U	0.025	mg/L		0.025	SW846-6010A
Sodium	N	65.3	mg/L		2	SW846-6010A
Tantalum	U	0.2	mg/L		0.2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Tin	NU	1	mg/L		1	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.025	mg/L		0.025	SW846-6010A
Zinc	U	0.1	mg/L		0.1	SW846-6010A
<b>METAL-D</b>						
Arsenic, Dissolved	N	0.008	mg/L		0.005	SW846-7060
Barium, Dissolved		0.186	mg/L		0.025	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		288	mg/L		100	EPA-160.2

**MW384**

**SG02-06**

**C-746-S&T MW Abandonment and Replacement - Event 2 SG02-06**

<b>PPCB</b>					
4,4'-DDD	U	0.0001	mg/L	0.0001	SW846-8081A
4,4'-DDE	U	0.0001	mg/L	0.0001	SW846-8081A
4,4'-DDT	U	0.0001	mg/L	0.0001	SW846-8081A
Aldrin	U	0.00005	mg/L	5E-05	SW846-8081A
alpha-BHC	U	0.00005	mg/L	5E-05	SW846-8081A
alpha-Chlordane	U	0.00005	mg/L	5E-05	SW846-8081A
beta-BHC	U	0.00005	mg/L	5E-05	SW846-8081A
delta-BHC	U	0.00005	mg/L	5E-05	SW846-8081A
Dieldrin	U	0.0001	mg/L	0.0001	SW846-8081A
Disulfoton	U	0.0005	mg/L	0.0005	SW846-8141
Endosulfan I	U	0.00005	mg/L	5E-05	SW846-8081A
Endosulfan II	U	0.0001	mg/L	0.0001	SW846-8081A
Endosulfan sulfate	U	0.0001	mg/L	0.0001	SW846-8081A
Endrin	U	0.0001	mg/L	0.0001	SW846-8081A
Endrin aldehyde	U	0.0001	mg/L	0.0001	SW846-8081A
Famphur	U	0.0012	mg/L	0.0012	SW846-8141
gamma-Chlordane	U	0.00005	mg/L	5E-05	SW846-8081A
Heptachlor	U	0.00005	mg/L	5E-05	SW846-8081A
Heptachlor epoxide	U	0.00005	mg/L	5E-05	SW846-8081A
Kepone	U	0.0005	mg/L	0.0005	SW846-8081A
Lindane	U	0.00005	mg/L	5E-05	SW846-8081A
Methoxychlor	U	0.0005	mg/L	0.0005	SW846-8081A
Methyl parathion	U	0.0005	mg/L	0.0005	SW846-8141
Parathion	U	0.0005	mg/L	0.0005	SW846-8141
PCB-1016	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1221	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1232	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1242	U	0.00013	mg/L	0.0001	SW846-8082
PCB-1248	U	0.00015	mg/L	0.0002	SW846-8082
PCB-1254	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1260	U	0.00009	mg/L	9E-05	SW846-8082
PCB-1268	U	0.0001	mg/L	0.0001	SW846-8082
Phorate	U	0.0005	mg/L	0.0005	SW846-8141
Polychlorinated biphenyl	U	0.00017	mg/L	0.0002	SW846-8082
Sulfotepp	U	0.0005	mg/L	0.0005	SW846-8141
Thionazin	U	0.0005	mg/L	0.0005	SW846-8141
Toxaphene	U	0.005	mg/L	0.005	SW846-8081A
<b>RADS</b>					
Alpha activity	U	-3.9	pCi/L	1.84	12 EPA-900.0
Beta activity		66.2	pCi/L	5.91	6.29 EPA-900.0
Strontium-90	U	3.73	pCi/L	0.774	17.5 RL-7145
Technetium-99		48	pCi/L	14.2	18.6 RL-7100
Tritium	U	-2.18	pCi/L	159	266 704R5
<b>SVOA</b>					
1,2,4,5-Tetrachlorobenzene	U	0.03	mg/L	0.03	SW846-8270C
1,2,4-Trichlorobenzene	U	0.03	mg/L	0.03	SW846-8270C
1,3,5-Trinitrobenzene	U	0.03	mg/L	0.03	SW846-8270C
1,3-Dinitrobenzene	U	0.03	mg/L	0.03	SW846-8270C
1,4-Dioxane	U	0.03	mg/L	0.03	SW846-8270C
1,4-Naphthoquinone	U	0.03	mg/L	0.03	SW846-8270C
1-Naphthalenamine	U	0.03	mg/L	0.03	SW846-8270C
2,3,4,6-Tetrachlorophenol	U	0.03	mg/L	0.03	SW846-8270C
2,4,5-Trichlorophenol	U	0.075	mg/L	0.075	SW846-8270C
2,4,6-Trichlorophenol	U	0.03	mg/L	0.03	SW846-8270C

## MW384

## SG02-06

## C-746-S&amp;T MW Abandonment and Replacement - Event 2 SG02-06

2,4-Dichlorophenol	U	0.03	mg/L	0.03	SW846-8270C
2,4-Dimethylphenol	U	0.03	mg/L	0.03	SW846-8270C
2,4-Dinitrophenol	U	0.075	mg/L	0.075	SW846-8270C
2,4-Dinitrotoluene	U	0.03	mg/L	0.03	SW846-8270C
2,6-Dichlorophenol	U	0.03	mg/L	0.03	SW846-8270C
2,6-Dinitrotoluene	U	0.03	mg/L	0.03	SW846-8270C
2-Acetylaminofluorene	U	0.03	mg/L	0.03	SW846-8270C
2-Chloronaphthalene	U	0.03	mg/L	0.03	SW846-8270C
2-Chlorophenol	U	0.03	mg/L	0.03	SW846-8270C
2-Methyl-4,6-dinitrophenol	U	0.075	mg/L	0.075	SW846-8270C
2-Methylnaphthalene	U	0.03	mg/L	0.03	SW846-8270C
2-Methylphenol	U	0.03	mg/L	0.03	SW846-8270C
2-Nitrobenzenamine	U	0.075	mg/L	0.075	SW846-8270C
2-Nitrophenol	U	0.03	mg/L	0.03	SW846-8270C
3,3'-Dichlorobenzidine	U	0.03	mg/L	0.03	SW846-8270C
3,3'-Dimethylbenzidine	U	0.03	mg/L	0.03	SW846-8270C
3-Methylcholanthrene	U	0.03	mg/L	0.03	SW846-8270C
3-Methylphenol	E	0.27	mg/L	0.03	SW846-8270C
3-Nitrobenzenamine	U	0.075	mg/L	0.075	SW846-8270C
4-Aminobiphenyl	U	0.03	mg/L	0.03	SW846-8270C
4-Bromophenyl phenyl ether	U	0.03	mg/L	0.03	SW846-8270C
4-Chloro-3-methylphenol	U	0.03	mg/L	0.03	SW846-8270C
4-Chlorobenzenamine	U	0.03	mg/L	0.03	SW846-8270C
4-Chlorophenyl phenyl ether	U	0.03	mg/L	0.03	SW846-8270C
4-Nitrobenzenamine	U	0.075	mg/L	0.075	SW846-8270C
4-Nitrophenol	U	0.075	mg/L	0.075	SW846-8270C
5-(2-Propenyl)-1,3-benzodioxole (Safr	U	0.03	mg/L	0.03	SW846-8270C
5-Nitro-o-toluidine	U	0.03	mg/L	0.03	SW846-8270C
7,12-Dimethylbenz(a)anthracene	U	0.03	mg/L	0.03	SW846-8270C
Acenaphthene	U	0.03	mg/L	0.03	SW846-8270C
Acenaphthylene	U	0.03	mg/L	0.03	SW846-8270C
Acetophenone	U	0.03	mg/L	0.03	SW846-8270C
Anthracene	U	0.03	mg/L	0.03	SW846-8270C
Benz(a)anthracene	U	0.03	mg/L	0.03	SW846-8270C
Benzenemethanol	U	0.03	mg/L	0.03	SW846-8270C
Benzo(a)pyrene	U	0.03	mg/L	0.03	SW846-8270C
Benzo(b)fluoranthene	U	0.03	mg/L	0.03	SW846-8270C
Benzo(ghi)perylene	U	0.03	mg/L	0.03	SW846-8270C
Benzo(k)fluoranthene	U	0.03	mg/L	0.03	SW846-8270C
Bis(2-chloroethoxy)methane	U	0.03	mg/L	0.03	SW846-8270C
Bis(2-chloroethyl) ether	U	0.03	mg/L	0.03	SW846-8270C
Bis(2-chloroisopropyl) ether	U	0.03	mg/L	0.03	SW846-8270C
Bis(2-ethylhexyl)phthalate	JB	0.002	mg/L	0.03	SW846-8270C
Butyl benzyl phthalate	U	0.03	mg/L	0.03	SW846-8270C
Chlorobenzilate	U	0.03	mg/L	0.03	SW846-8270C
Chrysene	U	0.03	mg/L	0.03	SW846-8270C
Diallate	U	0.03	mg/L	0.03	SW846-8270C
Dibenz(a,h)anthracene	U	0.03	mg/L	0.03	SW846-8270C
Dibenzofuran	U	0.03	mg/L	0.03	SW846-8270C
Diethyl phthalate	U	0.03	mg/L	0.03	SW846-8270C
Dimethoate	U	0.0005	mg/L	0.0005	SW846-8141
Dimethyl phthalate	U	0.03	mg/L	0.03	SW846-8270C
Di-n-butyl phthalate	JB	0.002	mg/L	0.03	SW846-8270C
Di-n-octylphthalate	U	0.03	mg/L	0.03	SW846-8270C
Ethyl methanesulfonate	U	0.03	mg/L	0.03	SW846-8270C

**MW384****SG02-06****C-746-S&T MW Abandonment and Replacement - Event 2 SG02-06**

Fluoranthene	U	0.03	mg/L	0.03	SW846-8270C
Fluorene	U	0.03	mg/L	0.03	SW846-8270C
Hexachloro-1-propene	U	0.03	mg/L	0.03	SW846-8270C
Hexachlorobenzene	U	0.03	mg/L	0.03	SW846-8270C
Hexachlorobutadiene	U	0.03	mg/L	0.03	SW846-8270C
Hexachlorocyclopentadiene	U	0.03	mg/L	0.03	SW846-8270C
Hexachloroethane	U	0.03	mg/L	0.03	SW846-8270C
Indeno(1,2,3-cd)pyrene	U	0.03	mg/L	0.03	SW846-8270C
Isodrin	U	0.03	mg/L	0.03	SW846-8270C
Isodrin	U	0.0001	mg/L	0.0001	SW846-8081A
Isophorone	U	0.03	mg/L	0.03	SW846-8270C
Isosafrole	U	0.03	mg/L	0.03	SW846-8270C
Methapyrilene	U	0.03	mg/L	0.03	SW846-8270C
Methyl methanesulfonate	U	0.03	mg/L	0.03	SW846-8270C
Naphthalene	U	0.03	mg/L	0.03	SW846-8270C
Nitrobenzene	U	0.03	mg/L	0.03	SW846-8270C
N-Nitrosodiethylamine	U	0.03	mg/L	0.03	SW846-8270C
N-Nitrosodimethylamine	U	0.03	mg/L	0.03	SW846-8270C
N-Nitroso-di-n-butylamine	U	0.03	mg/L	0.03	SW846-8270C
N-Nitroso-di-n-propylamine	U	0.03	mg/L	0.03	SW846-8270C
N-Nitrosodiphenylamine	U	0.03	mg/L	0.03	SW846-8270C
N-Nitrosomethylethylamine	U	0.03	mg/L	0.03	SW846-8270C
N-Nitrosopiperidine	U	0.15	mg/L	0.15	SW846-8270C
N-Nitrosopyrrolidine	U	0.03	mg/L	0.03	SW846-8270C
O,O,O-Triethylphosphorothioate	U	0.0005	mg/L	0.0005	SW846-8141
o-Toluidine	U	0.03	mg/L	0.03	SW846-8270C
p-Dimethylaminoazobenzene	U	0.03	mg/L	0.03	SW846-8270C
Pentachlorobenzene	U	0.03	mg/L	0.03	SW846-8270C
Pentachloroethane	U	0.03	mg/L	0.03	SW846-8270C
Pentachloronitrobenzene	U	0.15	mg/L	0.15	SW846-8270C
Pentachlorophenol	U	0.075	mg/L	0.075	SW846-8270C
Phenacetin	U	0.03	mg/L	0.03	SW846-8270C
Phenanthrene	U	0.03	mg/L	0.03	SW846-8270C
Phenol	U	0.03	mg/L	0.03	SW846-8270C
p-Phenylenediamine	U	0.03	mg/L	0.03	SW846-8270C
Pronamide	U	0.03	mg/L	0.03	SW846-8270C
Pyrene	U	0.03	mg/L	0.03	SW846-8270C
<b>VOA</b>					
2-Naphthalenamine	U	0.03	mg/L	0.03	SW846-8270C
Ethanol	U	5	mg/L	5	SW846-8015B
<b>WETCHEM</b>					
Bicarbonate as CaCO3		152	mg/L	10	SM-2320 B 17
Chemical Oxygen Demand (COD)	U	35	mg/L	35	EPA-410.4 1978
Cyanide	UX	0.02	mg/L	0.02	SW846-9010-A
Iodide	U	2	mg/L	2	EPA-345.1 1974
Sulfide	U	1	mg/L	1	EPA-376.1
Total Organic Carbon (TOC)		5.1	mg/L	1	SW846-9060
Total Organic Halides (TOX)	B	0.098	mg/L	0.05	SW846-9020B
Turbidity		50	NTU	0.5	EPA-180.1 1978

**MW384**

**SG02-06**

**C-746-S&T MW Abandonment and Replacement - Event 2 SG02-06**

**MW384SG602RE**

Collected: 9/30/2002

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.74	Inches/Hg			
Conductivity		846	umho/cm			
Depth to Water		40.4	ft			
Dissolved Oxygen		0.81	mg/L			
pH		6.6	Std Unit			
Temperature		66.5	deg F			
<b>SVOA</b>						
1,3-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260B
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260B
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260B
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260B
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260B
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260B
1,1-Dichloropropene	U	0.01	mg/L		0.01	SW846-8260B
1,2,3-Trichloropropane	U	0.01	mg/L		0.01	SW846-8260B
1,2-Dibromo-3-chloropropane	U	0.02	mg/L		0.02	SW846-8260B
1,2-Dibromoethane	U	0.02	mg/L		0.02	SW846-8260B
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260B
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260B
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260B
1,2-Dimethylbenzene	U	0.005	mg/L		0.005	SW846-8260B
1,3-Dichloropropane	U	0.01	mg/L		0.01	SW846-8260B
1,3-Dimethylbenzene	J	0.003	mg/L		0.005	SW846-8260B
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260B
2,2-Dichloropropane	U	0.01	mg/L		0.01	SW846-8260B
2-Butanone	U	0.05	mg/L		0.05	SW846-8260B
2-Chloro-1,3-butadiene	U	0.01	mg/L		0.01	SW846-8260B
2-Chloroethyl vinyl ether	U	0.01	mg/L		0.01	SW846-8260B
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260B
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260B
Acetone	B	0.021	mg/L		0.01	SW846-8260B
Acetonitrile	U	0.02	mg/L		0.02	SW846-8260B
Acrolein	U	0.01	mg/L		0.01	SW846-8260B
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260B
Allyl chloride	U	0.02	mg/L		0.02	SW846-8260B
Benzene	U	0.005	mg/L		0.005	SW846-8260B
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260B
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260B
Bromoform	U	0.005	mg/L		0.005	SW846-8260B
Bromomethane	U	0.01	mg/L		0.01	SW846-8260B
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260B
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260B
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260B
Chloroethane	U	0.01	mg/L		0.01	SW846-8260B
Chloromethane	U	0.01	mg/L		0.01	SW846-8260B
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260B
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260B
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260B

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Dibromomethane	U	0.01	mg/L	0.01	SW846-8260B
Dichlorodifluoromethane	U	0.01	mg/L	0.01	SW846-8260B
Ethyl cyanide	U	0.05	mg/L	0.05	SW846-8260B
Ethyl methacrylate	U	0.01	mg/L	0.01	SW846-8260B
Ethylbenzene	U	0.005	mg/L	0.005	SW846-8260B
Iodomethane	U	0.01	mg/L	0.01	SW846-8260B
Isobutanol	U	0.1	mg/L	0.1	SW846-8260B
Methacrylonitrile	U	0.02	mg/L	0.02	SW846-8260B
Methyl methacrylate	U	0.01	mg/L	0.01	SW846-8260B
Methylene chloride	U	0.005	mg/L	0.005	SW846-8260B
Styrene	U	0.005	mg/L	0.005	SW846-8260B
Tetrachloroethene	U	0.005	mg/L	0.005	SW846-8260B
Toluene	U	0.005	mg/L	0.005	SW846-8260B
Total Xylene	J	0.003	mg/L	0.005	SW846-8260B
trans-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260B
trans-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260B
Trans-1,4-Dichloro-2-butene	U	0.02	mg/L	0.02	SW846-8260B
Trichloroethene	J	0.002	mg/L	0.005	SW846-8260B
Trichlorofluoromethane	U	0.005	mg/L	0.005	SW846-8260B
Vinyl acetate	U	0.01	mg/L	0.01	SW846-8260B

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**MW385**

**SG02-06**

**C-746-S&T MW Abandonment and Replacement - Event 2 SG02-06**

**MW385SG6-02**

Collected: 9/17/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		31.6	mg/L		2	SW846-9056
Fluoride	U	1	mg/L		1	SW846-9056
Sulfate		20.1	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.62	Inches/Hg			
Conductivity		393	umho/cm			
Depth to Water		40.09	ft			
Dissolved Oxygen		0.69	mg/L			
pH		7.1	Std Unit			
Redox		120	mV			
Temperature		64.2	deg F			
<b>HERB</b>						
2,4,5-T	U	0.0005	mg/L		0.0005	SW846-8151A
2,4-D	U	0.001	mg/L		0.001	SW846-8151A
Dinoseb	U	0.05	mg/L		0.05	SW846-8270C
Silvex	U	0.0005	mg/L		0.0005	SW846-8151A
<b>METAL</b>						
Aluminum		0.353	mg/L		0.2	SW846-6010A
Barium		0.162	mg/L		0.025	SW846-6010A
Beryllium	U	0.005	mg/L		0.005	SW846-6010A
Boron	U	2	mg/L		2	SW846-6010A
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Calcium	N	34.6	mg/L		2	SW846-6010A
Chromium	U	0.025	mg/L		0.025	SW846-6010A
Cobalt	U	0.025	mg/L		0.025	SW846-6010A
Copper	U	0.05	mg/L		0.05	SW846-6010A
Iron		0.453	mg/L		0.2	SW846-6010A
Magnesium		8.06	mg/L		0.025	SW846-6010A
Manganese		0.059	mg/L		0.025	SW846-6010A
Mercury	BUW	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	U	0.025	mg/L		0.025	SW846-6010A
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Potassium	U	2	mg/L		2	SW846-6010A
Rhodium	UX	0.2	mg/L		0.2	SW846-6010A
Selenium	UW	0.01	mg/L		0.01	SW846-7740
Silver	U	0.025	mg/L		0.025	SW846-6010A
Sodium	N	37.3	mg/L		2	SW846-6010A
Tantalum	U	0.2	mg/L		0.2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Tin	NU	1	mg/L		1	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.025	mg/L		0.025	SW846-6010A
Zinc	U	0.1	mg/L		0.1	SW846-6010A
<b>METAL-D</b>						
Barium, Dissolved		0.149	mg/L		0.025	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		229	mg/L		100	EPA-160.2
<b>PPCB</b>						

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**SG02-06**

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4,4'-DDD	U	0.0001	mg/L	0.0001	SW846-8081A
4,4'-DDE	U	0.0001	mg/L	0.0001	SW846-8081A
4,4'-DDT	U	0.0001	mg/L	0.0001	SW846-8081A
Aldrin	U	0.00005	mg/L	5E-05	SW846-8081A
alpha-BHC	U	0.00005	mg/L	5E-05	SW846-8081A
alpha-Chlordane	U	0.00005	mg/L	5E-05	SW846-8081A
beta-BHC	U	0.00005	mg/L	5E-05	SW846-8081A
delta-BHC	U	0.00005	mg/L	5E-05	SW846-8081A
Dieldrin	U	0.0001	mg/L	0.0001	SW846-8081A
Disulfoton	U	0.0005	mg/L	0.0005	SW846-8141
Endosulfan I	U	0.00005	mg/L	5E-05	SW846-8081A
Endosulfan II	U	0.0001	mg/L	0.0001	SW846-8081A
Endosulfan sulfate	U	0.0001	mg/L	0.0001	SW846-8081A
Endrin	U	0.0001	mg/L	0.0001	SW846-8081A
Endrin aldehyde	U	0.0001	mg/L	0.0001	SW846-8081A
Famphur	U	0.0012	mg/L	0.0012	SW846-8141
gamma-Chlordane	U	0.00005	mg/L	5E-05	SW846-8081A
Heptachlor	U	0.00005	mg/L	5E-05	SW846-8081A
Heptachlor epoxide	U	0.00005	mg/L	5E-05	SW846-8081A
Kepone	U	0.0005	mg/L	0.0005	SW846-8081A
Lindane	U	0.00005	mg/L	5E-05	SW846-8081A
Methoxychlor	U	0.0005	mg/L	0.0005	SW846-8081A
Methyl parathion	U	0.0005	mg/L	0.0005	SW846-8141
Parathion	U	0.0005	mg/L	0.0005	SW846-8141
PCB-1016	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1221	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1232	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1242	U	0.00013	mg/L	0.0001	SW846-8082
PCB-1248	U	0.00015	mg/L	0.0002	SW846-8082
PCB-1254	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1260	U	0.00009	mg/L	9E-05	SW846-8082
PCB-1268	U	0.0001	mg/L	0.0001	SW846-8082
Phorate	U	0.0005	mg/L	0.0005	SW846-8141
Polychlorinated biphenyl	U	0.00017	mg/L	0.0002	SW846-8082
Sulfotepp	U	0.0005	mg/L	0.0005	SW846-8141
Thionazin	U	0.0005	mg/L	0.0005	SW846-8141
Toxaphene	U	0.005	mg/L	0.005	SW846-8081A

**RADS**

Alpha activity	U	-1.19	pCi/L	0.52	8.92	EPA-900.0
Beta activity		57.6	pCi/L	5.23	5.67	EPA-900.0
Strontium-90	U	-3.43	pCi/L	0.831	17.5	RL-7145
Technetium-99		85.2	pCi/L	15.5	18.6	RL-7100
Tritium	U	-54.5	pCi/L	158	266	704R5

**SVOA**

1,2,4,5-Tetrachlorobenzene	U	0.01	mg/L	0.01	SW846-8270C
1,2,4-Trichlorobenzene	U	0.01	mg/L	0.01	SW846-8270C
1,3,5-Trinitrobenzene	U	0.01	mg/L	0.01	SW846-8270C
1,3-Dinitrobenzene	U	0.01	mg/L	0.01	SW846-8270C
1,4-Dioxane	U	0.01	mg/L	0.01	SW846-8270C
1,4-Naphthoquinone	U	0.01	mg/L	0.01	SW846-8270C
1-Naphthalenamine	U	0.01	mg/L	0.01	SW846-8270C
2,3,4,6-Tetrachlorophenol	U	0.01	mg/L	0.01	SW846-8270C
2,4,5-Trichlorophenol	U	0.025	mg/L	0.025	SW846-8270C
2,4,6-Trichlorophenol	U	0.01	mg/L	0.01	SW846-8270C
2,4-Dichlorophenol	U	0.01	mg/L	0.01	SW846-8270C

## MW385

## SG02-06

## C-746-S&amp;T MW Abandonment and Replacement - Event 2 SG02-06

2,4-Dimethylphenol	U	0.01	mg/L	0.01	SW846-8270C
2,4-Dinitrophenol	U	0.025	mg/L	0.025	SW846-8270C
2,4-Dinitrotoluene	U	0.01	mg/L	0.01	SW846-8270C
2,6-Dichlorophenol	U	0.01	mg/L	0.01	SW846-8270C
2,6-Dinitrotoluene	U	0.01	mg/L	0.01	SW846-8270C
2-Acetylaminofluorene	U	0.01	mg/L	0.01	SW846-8270C
2-Chloronaphthalene	U	0.01	mg/L	0.01	SW846-8270C
2-Chlorophenol	U	0.01	mg/L	0.01	SW846-8270C
2-Methyl-4,6-dinitrophenol	U	0.025	mg/L	0.025	SW846-8270C
2-Methylnaphthalene	U	0.01	mg/L	0.01	SW846-8270C
2-Methylphenol	U	0.01	mg/L	0.01	SW846-8270C
2-Nitrobenzenamine	U	0.025	mg/L	0.025	SW846-8270C
2-Nitrophenol	U	0.01	mg/L	0.01	SW846-8270C
3,3'-Dichlorobenzidine	U	0.01	mg/L	0.01	SW846-8270C
3,3'-Dimethylbenzidine	U	0.01	mg/L	0.01	SW846-8270C
3-Methylcholanthrene	U	0.01	mg/L	0.01	SW846-8270C
3-Methylphenol	U	0.01	mg/L	0.01	SW846-8270C
3-Nitrobenzenamine	U	0.025	mg/L	0.025	SW846-8270C
4-Aminobiphenyl	U	0.01	mg/L	0.01	SW846-8270C
4-Bromophenyl phenyl ether	U	0.01	mg/L	0.01	SW846-8270C
4-Chloro-3-methylphenol	U	0.01	mg/L	0.01	SW846-8270C
4-Chlorobenzenamine	U	0.01	mg/L	0.01	SW846-8270C
4-Chlorophenyl phenyl ether	U	0.01	mg/L	0.01	SW846-8270C
4-Nitrobenzenamine	U	0.025	mg/L	0.025	SW846-8270C
4-Nitrophenol	U	0.025	mg/L	0.025	SW846-8270C
5-(2-Propenyl)-1,3-benzodioxole (Safr	U	0.01	mg/L	0.01	SW846-8270C
5-Nitro-o-toluidine	U	0.01	mg/L	0.01	SW846-8270C
7,12-Dimethylbenz(a)anthracene	U	0.01	mg/L	0.01	SW846-8270C
Acenaphthene	U	0.01	mg/L	0.01	SW846-8270C
Acenaphthylene	U	0.01	mg/L	0.01	SW846-8270C
Acetophenone	U	0.01	mg/L	0.01	SW846-8270C
Anthracene	U	0.01	mg/L	0.01	SW846-8270C
Benz(a)anthracene	U	0.01	mg/L	0.01	SW846-8270C
Benzenemethanol	U	0.01	mg/L	0.01	SW846-8270C
Benzo(a)pyrene	U	0.01	mg/L	0.01	SW846-8270C
Benzo(b)fluoranthene	U	0.01	mg/L	0.01	SW846-8270C
Benzo(ghi)perylene	U	0.01	mg/L	0.01	SW846-8270C
Benzo(k)fluoranthene	U	0.01	mg/L	0.01	SW846-8270C
Bis(2-chloroethoxy)methane	U	0.01	mg/L	0.01	SW846-8270C
Bis(2-chloroethyl) ether	U	0.01	mg/L	0.01	SW846-8270C
Bis(2-chloroisopropyl) ether	U	0.01	mg/L	0.01	SW846-8270C
Bis(2-ethylhexyl)phthalate	JB	0.001	mg/L	0.01	SW846-8270C
Butyl benzyl phthalate	U	0.01	mg/L	0.01	SW846-8270C
Chlorobenzilate	U	0.01	mg/L	0.01	SW846-8270C
Chrysene	U	0.01	mg/L	0.01	SW846-8270C
Diallate	U	0.01	mg/L	0.01	SW846-8270C
Dibenz(a,h)anthracene	U	0.01	mg/L	0.01	SW846-8270C
Dibenzofuran	U	0.01	mg/L	0.01	SW846-8270C
Diethyl phthalate	U	0.01	mg/L	0.01	SW846-8270C
Dimethoate	U	0.0005	mg/L	0.0005	SW846-8141
Dimethyl phthalate	U	0.01	mg/L	0.01	SW846-8270C
Di-n-butyl phthalate	JB	0.001	mg/L	0.01	SW846-8270C
Di-n-octylphthalate	U	0.01	mg/L	0.01	SW846-8270C
Ethyl methanesulfonate	U	0.01	mg/L	0.01	SW846-8270C
Fluoranthene	U	0.01	mg/L	0.01	SW846-8270C

**MW385****SG02-06****C-746-S&T MW Abandonment and Replacement - Event 2 SG02-06**

Fluorene	U	0.01	mg/L	0.01	SW846-8270C
Hexachloro-1-propene	U	0.01	mg/L	0.01	SW846-8270C
Hexachlorobenzene	U	0.01	mg/L	0.01	SW846-8270C
Hexachlorobutadiene	U	0.01	mg/L	0.01	SW846-8270C
Hexachlorocyclopentadiene	U	0.01	mg/L	0.01	SW846-8270C
Hexachloroethane	U	0.01	mg/L	0.01	SW846-8270C
Indeno(1,2,3-cd)pyrene	U	0.01	mg/L	0.01	SW846-8270C
Isodrin	U	0.0001	mg/L	0.0001	SW846-8081A
Isodrin	U	0.01	mg/L	0.01	SW846-8270C
Isophorone	U	0.01	mg/L	0.01	SW846-8270C
Isosafrole	U	0.01	mg/L	0.01	SW846-8270C
Methapyrilene	U	0.01	mg/L	0.01	SW846-8270C
Methyl methanesulfonate	U	0.01	mg/L	0.01	SW846-8270C
Naphthalene	U	0.01	mg/L	0.01	SW846-8270C
Nitrobenzene	U	0.01	mg/L	0.01	SW846-8270C
N-Nitrosodiethylamine	U	0.01	mg/L	0.01	SW846-8270C
N-Nitrosodimethylamine	U	0.01	mg/L	0.01	SW846-8270C
N-Nitroso-di-n-butylamine	U	0.01	mg/L	0.01	SW846-8270C
N-Nitroso-di-n-propylamine	U	0.01	mg/L	0.01	SW846-8270C
N-Nitrosodiphenylamine	U	0.01	mg/L	0.01	SW846-8270C
N-Nitrosomethylethylamine	U	0.01	mg/L	0.01	SW846-8270C
N-Nitrosopiperidine	U	0.05	mg/L	0.05	SW846-8270C
N-Nitrosopyrrolidine	U	0.01	mg/L	0.01	SW846-8270C
O,O,O-Triethylphosphorothioate	U	0.0005	mg/L	0.0005	SW846-8141
o-Toluidine	U	0.01	mg/L	0.01	SW846-8270C
p-Dimethylaminoazobenzene	U	0.01	mg/L	0.01	SW846-8270C
Pentachlorobenzene	U	0.01	mg/L	0.01	SW846-8270C
Pentachloroethane	U	0.01	mg/L	0.01	SW846-8270C
Pentachloronitrobenzene	U	0.05	mg/L	0.05	SW846-8270C
Pentachlorophenol	U	0.025	mg/L	0.025	SW846-8270C
Phenacetin	U	0.01	mg/L	0.01	SW846-8270C
Phenanthrene	U	0.01	mg/L	0.01	SW846-8270C
Phenol	U	0.01	mg/L	0.01	SW846-8270C
p-Phenylenediamine	U	0.01	mg/L	0.01	SW846-8270C
Pronamide	U	0.01	mg/L	0.01	SW846-8270C
Pyrene	U	0.01	mg/L	0.01	SW846-8270C
<b>VOA</b>					
2-Naphthalenamine	U	0.01	mg/L	0.01	SW846-8270C
Ethanol	U	5	mg/L	5	SW846-8015B
<b>WETCHEM</b>					
Bicarbonate as CaCO3		110	mg/L	10	SM-2320 B 17
Chemical Oxygen Demand (COD)	U	35	mg/L	35	EPA-410.4 1978
Cyanide	UX	0.02	mg/L	0.02	SW846-9010-A
Iodide	U	2	mg/L	2	EPA-345.1 1974
Sulfide	U	1	mg/L	1	EPA-376.1
Total Organic Carbon (TOC)		5.1	mg/L	1	SW846-9060
Total Organic Halides (TOX)	BU	0.05	mg/L	0.05	SW846-9020B
Turbidity		6.8	NTU	0.5	EPA-180.1 1978

MW385

SG02-06

C-746-S&T MW Abandonment and Replacement - Event 2 SG02-06

MW385SG602RE

Collected: 9/30/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.74	Inches/Hg			
Conductivity		393	umho/cm			
Depth to Water		40.81	ft			
Dissolved Oxygen		0.9	mg/L			
pH		6.9	Std Unit			
Redox		45	mV			
Temperature		66.3	deg F			
<b>SVOA</b>						
1,3-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260B
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260B
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260B
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260B
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260B
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260B
1,1-Dichloropropene	U	0.01	mg/L		0.01	SW846-8260B
1,2,3-Trichloropropane	U	0.01	mg/L		0.01	SW846-8260B
1,2-Dibromo-3-chloropropane	U	0.02	mg/L		0.02	SW846-8260B
1,2-Dibromoethane	U	0.02	mg/L		0.02	SW846-8260B
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260B
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260B
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260B
1,2-Dimethylbenzene	U	0.005	mg/L		0.005	SW846-8260B
1,3-Dichloropropane	U	0.01	mg/L		0.01	SW846-8260B
1,3-Dimethylbenzene	U	0.005	mg/L		0.005	SW846-8260B
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260B
2,2-Dichloropropane	U	0.01	mg/L		0.01	SW846-8260B
2-Butanone	U	0.05	mg/L		0.05	SW846-8260B
2-Chloro-1,3-butadiene	U	0.01	mg/L		0.01	SW846-8260B
2-Chloroethyl vinyl ether	U	0.01	mg/L		0.01	SW846-8260B
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260B
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260B
Acetone	U	0.01	mg/L		0.01	SW846-8260B
Acetonitrile	U	0.02	mg/L		0.02	SW846-8260B
Acrolein	U	0.01	mg/L		0.01	SW846-8260B
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260B
Allyl chloride	U	0.02	mg/L		0.02	SW846-8260B
Benzene	U	0.005	mg/L		0.005	SW846-8260B
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260B
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260B
Bromoform	U	0.005	mg/L		0.005	SW846-8260B
Bromomethane	U	0.01	mg/L		0.01	SW846-8260B
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260B
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260B
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260B
Chloroethane	U	0.01	mg/L		0.01	SW846-8260B
Chloromethane	U	0.01	mg/L		0.01	SW846-8260B
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260B
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260B

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## SG02-06

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Dibromochloromethane	U	0.005	mg/L	0.005	SW846-8260B
Dibromomethane	U	0.01	mg/L	0.01	SW846-8260B
Dichlorodifluoromethane	U	0.01	mg/L	0.01	SW846-8260B
Ethyl cyanide	U	0.05	mg/L	0.05	SW846-8260B
Ethyl methacrylate	U	0.01	mg/L	0.01	SW846-8260B
Ethylbenzene	U	0.005	mg/L	0.005	SW846-8260B
Iodomethane	U	0.01	mg/L	0.01	SW846-8260B
Isobutanol	U	0.1	mg/L	0.1	SW846-8260B
Methacrylonitrile	U	0.02	mg/L	0.02	SW846-8260B
Methyl methacrylate	U	0.01	mg/L	0.01	SW846-8260B
Methylene chloride	U	0.005	mg/L	0.005	SW846-8260B
Styrene	U	0.005	mg/L	0.005	SW846-8260B
Tetrachloroethene	U	0.005	mg/L	0.005	SW846-8260B
Toluene	U	0.005	mg/L	0.005	SW846-8260B
Total Xylene	U	0.005	mg/L	0.005	SW846-8260B
trans-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260B
trans-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260B
Trans-1,4-Dichloro-2-butene	U	0.02	mg/L	0.02	SW846-8260B
Trichloroethene	U	0.005	mg/L	0.005	SW846-8260B
Trichlorofluoromethane	U	0.005	mg/L	0.005	SW846-8260B
Vinyl acetate	U	0.01	mg/L	0.01	SW846-8260B

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# Paducah-OREIS Data Report

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12/18/2007

**MW386**

**SG02-06**

## C-746-S&T MW Abandonment and Replacement - Event 2 SG02-06

**MW386SG6-02**

Collected: 9/17/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		31	mg/L		2	SW846-9056
Fluoride	U	1	mg/L		1	SW846-9056
Sulfate		16.3	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.62	Inches/Hg			
Conductivity		506	umho/cm			
Depth to Water		24.33	ft			
Dissolved Oxygen		0.45	mg/L			
pH		6.4	Std Unit			
Temperature		64.6	deg F			
<b>HERB</b>						
2,4,5-T	U	0.0005	mg/L		0.0005	SW846-8151A
2,4-D	U	0.001	mg/L		0.001	SW846-8151A
Dinoseb	U	0.05	mg/L		0.05	SW846-8270C
Silvex	U	0.0005	mg/L		0.0005	SW846-8151A
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium		0.034	mg/L		0.025	SW846-6010A
Beryllium	U	0.005	mg/L		0.005	SW846-6010A
Boron	U	2	mg/L		2	SW846-6010A
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Calcium	N	17.8	mg/L		2	SW846-6010A
Chromium	U	0.025	mg/L		0.025	SW846-6010A
Cobalt	U	0.025	mg/L		0.025	SW846-6010A
Copper	U	0.05	mg/L		0.05	SW846-6010A
Iron		0.233	mg/L		0.2	SW846-6010A
Magnesium		7.32	mg/L		0.025	SW846-6010A
Manganese		0.128	mg/L		0.025	SW846-6010A
Mercury	BUW	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	U	0.025	mg/L		0.025	SW846-6010A
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Potassium	U	2	mg/L		2	SW846-6010A
Rhodium	UX	0.2	mg/L		0.2	SW846-6010A
Selenium	UW	0.01	mg/L		0.01	SW846-7740
Silver	U	0.025	mg/L		0.025	SW846-6010A
Sodium	N	86.1	mg/L		2	SW846-6010A
Tantalum	U	0.2	mg/L		0.2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Tin	NU	1	mg/L		1	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.025	mg/L		0.025	SW846-6010A
Zinc	U	0.1	mg/L		0.1	SW846-6010A
<b>METAL-D</b>						
Barium, Dissolved		0.029	mg/L		0.025	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		306	mg/L		100	EPA-160.2
<b>PCCB</b>						
4,4'-DDD	U	0.0001	mg/L		0.0001	SW846-8081A

## MW386

## SG02-06

## C-746-S&amp;T MW Abandonment and Replacement - Event 2 SG02-06

4,4'-DDE	U	0.0001	mg/L	0.0001	SW846-8081A
4,4'-DDT	U	0.0001	mg/L	0.0001	SW846-8081A
Aldrin	U	0.00005	mg/L	5E-05	SW846-8081A
alpha-BHC	U	0.00005	mg/L	5E-05	SW846-8081A
alpha-Chlordane	U	0.00005	mg/L	5E-05	SW846-8081A
beta-BHC	U	0.00005	mg/L	5E-05	SW846-8081A
delta-BHC	U	0.00005	mg/L	5E-05	SW846-8081A
Dieldrin	U	0.0001	mg/L	0.0001	SW846-8081A
Disulfoton	U	0.0005	mg/L	0.0005	SW846-8141
Endosulfan I	U	0.00005	mg/L	5E-05	SW846-8081A
Endosulfan II	U	0.0001	mg/L	0.0001	SW846-8081A
Endosulfan sulfate	U	0.0001	mg/L	0.0001	SW846-8081A
Endrin	U	0.0001	mg/L	0.0001	SW846-8081A
Endrin aldehyde	U	0.0001	mg/L	0.0001	SW846-8081A
Famphur	U	0.0012	mg/L	0.0012	SW846-8141
gamma-Chlordane	U	0.00005	mg/L	5E-05	SW846-8081A
Heptachlor	U	0.00005	mg/L	5E-05	SW846-8081A
Heptachlor epoxide	U	0.00005	mg/L	5E-05	SW846-8081A
Kepone	U	0.0005	mg/L	0.0005	SW846-8081A
Lindane	U	0.00005	mg/L	5E-05	SW846-8081A
Methoxychlor	U	0.0005	mg/L	0.0005	SW846-8081A
Methyl parathion	U	0.0005	mg/L	0.0005	SW846-8141
Parathion	U	0.0005	mg/L	0.0005	SW846-8141
PCB-1016	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1221	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1232	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1242	U	0.00013	mg/L	0.0001	SW846-8082
PCB-1248	U	0.00015	mg/L	0.0002	SW846-8082
PCB-1254	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1260	U	0.00009	mg/L	9E-05	SW846-8082
PCB-1268	U	0.0001	mg/L	0.0001	SW846-8082
Phorate	U	0.0005	mg/L	0.0005	SW846-8141
Polychlorinated biphenyl	U	0.00017	mg/L	0.0002	SW846-8082
Sulfotepp	U	0.0005	mg/L	0.0005	SW846-8141
Thionazin	U	0.0005	mg/L	0.0005	SW846-8141
Toxaphene	U	0.005	mg/L	0.005	SW846-8081A

## RADS

Alpha activity	U	-1.31	pCi/L	0.83	11.7	EPA-900.0
Beta activity	U	5.29	pCi/L	1.04	6.21	EPA-900.0
Strontium-90	U	-9.66	pCi/L	2.85	17.5	RL-7145
Technetium-99	U	0	pCi/L	0	18.6	RL-7100
Tritium	U	-15.3	pCi/L	159	266	704R5

## SVOA

1,2,4,5-Tetrachlorobenzene	U	0.01	mg/L	0.01	SW846-8270C
1,2,4-Trichlorobenzene	U	0.01	mg/L	0.01	SW846-8270C
1,3,5-Trinitrobenzene	U	0.01	mg/L	0.01	SW846-8270C
1,3-Dinitrobenzene	U	0.01	mg/L	0.01	SW846-8270C
1,4-Dioxane	U	0.01	mg/L	0.01	SW846-8270C
1,4-Naphthoquinone	U	0.01	mg/L	0.01	SW846-8270C
1-Naphthalenamine	U	0.01	mg/L	0.01	SW846-8270C
2,3,4,6-Tetrachlorophenol	U	0.01	mg/L	0.01	SW846-8270C
2,4,5-Trichlorophenol	U	0.025	mg/L	0.025	SW846-8270C
2,4,6-Trichlorophenol	U	0.01	mg/L	0.01	SW846-8270C
2,4-Dichlorophenol	U	0.01	mg/L	0.01	SW846-8270C
2,4-Dimethylphenol	U	0.01	mg/L	0.01	SW846-8270C



## MW386

## SG02-06

## C-746-S&amp;T MW Abandonment and Replacement - Event 2 SG02-06

2,4-Dinitrophenol	U	0.025	mg/L	0.025	SW846-8270C
2,4-Dinitrotoluene	U	0.01	mg/L	0.01	SW846-8270C
2,6-Dichlorophenol	U	0.01	mg/L	0.01	SW846-8270C
2,6-Dinitrotoluene	U	0.01	mg/L	0.01	SW846-8270C
2-Acetylaminofluorene	U	0.01	mg/L	0.01	SW846-8270C
2-Chloronaphthalene	U	0.01	mg/L	0.01	SW846-8270C
2-Chlorophenol	U	0.01	mg/L	0.01	SW846-8270C
2-Methyl-4,6-dinitrophenol	U	0.025	mg/L	0.025	SW846-8270C
2-Methylnaphthalene	U	0.01	mg/L	0.01	SW846-8270C
2-Methylphenol	U	0.01	mg/L	0.01	SW846-8270C
2-Nitrobenzenamine	U	0.025	mg/L	0.025	SW846-8270C
2-Nitrophenol	U	0.01	mg/L	0.01	SW846-8270C
3,3'-Dichlorobenzidine	U	0.01	mg/L	0.01	SW846-8270C
3,3'-Dimethylbenzidine	U	0.01	mg/L	0.01	SW846-8270C
3-Methylcholanthrene	U	0.01	mg/L	0.01	SW846-8270C
3-Methylphenol	U	0.01	mg/L	0.01	SW846-8270C
3-Nitrobenzenamine	U	0.025	mg/L	0.025	SW846-8270C
4-Aminobiphenyl	U	0.01	mg/L	0.01	SW846-8270C
4-Bromophenyl phenyl ether	U	0.01	mg/L	0.01	SW846-8270C
4-Chloro-3-methylphenol	U	0.01	mg/L	0.01	SW846-8270C
4-Chlorobenzenamine	U	0.01	mg/L	0.01	SW846-8270C
4-Chlorophenyl phenyl ether	U	0.01	mg/L	0.01	SW846-8270C
4-Nitrobenzenamine	U	0.025	mg/L	0.025	SW846-8270C
4-Nitrophenol	U	0.025	mg/L	0.025	SW846-8270C
5-(2-Propenyl)-1,3-benzodioxole (Safr	U	0.01	mg/L	0.01	SW846-8270C
5-Nitro-o-toluidine	U	0.01	mg/L	0.01	SW846-8270C
7,12-Dimethylbenz(a)anthracene	U	0.01	mg/L	0.01	SW846-8270C
Acenaphthene	U	0.01	mg/L	0.01	SW846-8270C
Acenaphthylene	U	0.01	mg/L	0.01	SW846-8270C
Acetophenone	U	0.01	mg/L	0.01	SW846-8270C
Anthracene	U	0.01	mg/L	0.01	SW846-8270C
Benz(a)anthracene	U	0.01	mg/L	0.01	SW846-8270C
Benzenemethanol	U	0.01	mg/L	0.01	SW846-8270C
Benzo(a)pyrene	U	0.01	mg/L	0.01	SW846-8270C
Benzo(b)fluoranthene	U	0.01	mg/L	0.01	SW846-8270C
Benzo(ghi)perylene	U	0.01	mg/L	0.01	SW846-8270C
Benzo(k)fluoranthene	U	0.01	mg/L	0.01	SW846-8270C
Bis(2-chloroethoxy)methane	U	0.01	mg/L	0.01	SW846-8270C
Bis(2-chloroethyl) ether	U	0.01	mg/L	0.01	SW846-8270C
Bis(2-chloroisopropyl) ether	U	0.01	mg/L	0.01	SW846-8270C
Bis(2-ethylhexyl)phthalate	JB	0.003	mg/L	0.01	SW846-8270C
Butyl benzyl phthalate	U	0.01	mg/L	0.01	SW846-8270C
Chlorobenzilate	U	0.01	mg/L	0.01	SW846-8270C
Chrysene	U	0.01	mg/L	0.01	SW846-8270C
Diallate	U	0.01	mg/L	0.01	SW846-8270C
Dibenz(a,h)anthracene	U	0.01	mg/L	0.01	SW846-8270C
Dibenzofuran	U	0.01	mg/L	0.01	SW846-8270C
Diethyl phthalate	U	0.01	mg/L	0.01	SW846-8270C
Dimethoate	U	0.0005	mg/L	0.0005	SW846-8141
Dimethyl phthalate	U	0.01	mg/L	0.01	SW846-8270C
Di-n-butyl phthalate	JB	0.001	mg/L	0.01	SW846-8270C
Di-n-octylphthalate	U	0.01	mg/L	0.01	SW846-8270C
Ethyl methanesulfonate	U	0.01	mg/L	0.01	SW846-8270C
Fluoranthene	U	0.01	mg/L	0.01	SW846-8270C
Fluorene	U	0.01	mg/L	0.01	SW846-8270C

**MW386****SG02-06****C-746-S&T MW Abandonment and Replacement - Event 2 SG02-06**

Hexachloro-1-propene	U	0.01	mg/L	0.01	SW846-8270C
Hexachlorobenzene	U	0.01	mg/L	0.01	SW846-8270C
Hexachlorobutadiene	U	0.01	mg/L	0.01	SW846-8270C
Hexachlorocyclopentadiene	U	0.01	mg/L	0.01	SW846-8270C
Hexachloroethane	U	0.01	mg/L	0.01	SW846-8270C
Indeno(1,2,3-cd)pyrene	U	0.01	mg/L	0.01	SW846-8270C
Isodrin	U	0.01	mg/L	0.01	SW846-8270C
Isodrin	U	0.0001	mg/L	0.0001	SW846-8081A
Isophorone	U	0.01	mg/L	0.01	SW846-8270C
Isosafrole	U	0.01	mg/L	0.01	SW846-8270C
Methapyrilene	U	0.01	mg/L	0.01	SW846-8270C
Methyl methanesulfonate	U	0.01	mg/L	0.01	SW846-8270C
Naphthalene	U	0.01	mg/L	0.01	SW846-8270C
Nitrobenzene	U	0.01	mg/L	0.01	SW846-8270C
N-Nitrosodiethylamine	U	0.01	mg/L	0.01	SW846-8270C
N-Nitrosodimethylamine	U	0.01	mg/L	0.01	SW846-8270C
N-Nitroso-di-n-butylamine	U	0.01	mg/L	0.01	SW846-8270C
N-Nitroso-di-n-propylamine	U	0.01	mg/L	0.01	SW846-8270C
N-Nitrosodiphenylamine	U	0.01	mg/L	0.01	SW846-8270C
N-Nitrosomethylethylamine	U	0.01	mg/L	0.01	SW846-8270C
N-Nitrosopiperidine	U	0.05	mg/L	0.05	SW846-8270C
N-Nitrosopyrrolidine	U	0.01	mg/L	0.01	SW846-8270C
O,O,O-Triethylphosphorothioate	U	0.0005	mg/L	0.0005	SW846-8141
o-Toluidine	U	0.01	mg/L	0.01	SW846-8270C
p-Dimethylaminoazobenzene	U	0.01	mg/L	0.01	SW846-8270C
Pentachlorobenzene	U	0.01	mg/L	0.01	SW846-8270C
Pentachloroethane	U	0.01	mg/L	0.01	SW846-8270C
Pentachloronitrobenzene	U	0.05	mg/L	0.05	SW846-8270C
Pentachlorophenol	U	0.025	mg/L	0.025	SW846-8270C
Phenacetin	U	0.01	mg/L	0.01	SW846-8270C
Phenanthrene	U	0.01	mg/L	0.01	SW846-8270C
Phenol	U	0.01	mg/L	0.01	SW846-8270C
p-Phenylenediamine	U	0.01	mg/L	0.01	SW846-8270C
Pronamide	U	0.01	mg/L	0.01	SW846-8270C
Pyrene	U	0.01	mg/L	0.01	SW846-8270C
<b>VOA</b>					
2-Naphthalenamine	U	0.01	mg/L	0.01	SW846-8270C
Ethanol	U	5	mg/L	5	SW846-8015B
<b>WETCHEM</b>					
Bicarbonate as CaCO3	B	170	mg/L	10	SM-2320 B 17
Chemical Oxygen Demand (COD)	U	35	mg/L	35	EPA-410.4 1978
Cyanide	UX	0.02	mg/L	0.02	SW846-9010-A
Iodide	U	2	mg/L	2	EPA-345.1 1974
Sulfide	U	1	mg/L	1	EPA-376.1
Total Organic Carbon (TOC)		6.1	mg/L	1	SW846-9060
Total Organic Halides (TOX)	BU	0.05	mg/L	0.05	SW846-9020B
Turbidity		3.7	NTU	0.5	EPA-180.1 1978

MW386

SG02-06

C-746-S&T MW Abandonment and Replacement - Event 2 SG02-06

MW386SG602RE

Collected: 9/30/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.74	Inches/Hg			
Conductivity		519	umho/cm			
Depth to Water		25.03	ft			
Dissolved Oxygen		0.92	mg/L			
pH		6.2	Std Unit			
Temperature		65.6	deg F			
<b>SVOA</b>						
1,3-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260B
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260B
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260B
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260B
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260B
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260B
1,1-Dichloropropene	U	0.01	mg/L		0.01	SW846-8260B
1,2,3-Trichloropropane	U	0.01	mg/L		0.01	SW846-8260B
1,2-Dibromo-3-chloropropane	U	0.02	mg/L		0.02	SW846-8260B
1,2-Dibromoethane	U	0.02	mg/L		0.02	SW846-8260B
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260B
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260B
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260B
1,2-Dimethylbenzene	U	0.005	mg/L		0.005	SW846-8260B
1,3-Dichloropropane	U	0.01	mg/L		0.01	SW846-8260B
1,3-Dimethylbenzene	U	0.005	mg/L		0.005	SW846-8260B
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260B
2,2-Dichloropropane	U	0.01	mg/L		0.01	SW846-8260B
2-Butanone	U	0.05	mg/L		0.05	SW846-8260B
2-Chloro-1,3-butadiene	U	0.01	mg/L		0.01	SW846-8260B
2-Chloroethyl vinyl ether	U	0.01	mg/L		0.01	SW846-8260B
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260B
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260B
Acetone	U	0.01	mg/L		0.01	SW846-8260B
Acetonitrile	U	0.02	mg/L		0.02	SW846-8260B
Acrolein	U	0.01	mg/L		0.01	SW846-8260B
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260B
Allyl chloride	U	0.02	mg/L		0.02	SW846-8260B
Benzene	U	0.005	mg/L		0.005	SW846-8260B
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260B
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260B
Bromoform	U	0.005	mg/L		0.005	SW846-8260B
Bromomethane	U	0.01	mg/L		0.01	SW846-8260B
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260B
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260B
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260B
Chloroethane	U	0.01	mg/L		0.01	SW846-8260B
Chloroform	J	0.002	mg/L		0.005	SW846-8260B
Chloromethane	U	0.01	mg/L		0.01	SW846-8260B
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260B
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260B

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## SG02-06

## C-746-S&amp;T MW Abandonment and Replacement - Event 2 SG02-06

Dibromochloromethane	U	0.005	mg/L	0.005	SW846-8260B
Dibromomethane	U	0.01	mg/L	0.01	SW846-8260B
Dichlorodifluoromethane	U	0.01	mg/L	0.01	SW846-8260B
Ethyl cyanide	U	0.05	mg/L	0.05	SW846-8260B
Ethyl methacrylate	U	0.01	mg/L	0.01	SW846-8260B
Ethylbenzene	U	0.005	mg/L	0.005	SW846-8260B
Iodomethane	U	0.01	mg/L	0.01	SW846-8260B
Isobutanol	U	0.1	mg/L	0.1	SW846-8260B
Methacrylonitrile	U	0.02	mg/L	0.02	SW846-8260B
Methyl methacrylate	U	0.01	mg/L	0.01	SW846-8260B
Methylene chloride	U	0.005	mg/L	0.005	SW846-8260B
Styrene	U	0.005	mg/L	0.005	SW846-8260B
Tetrachloroethene	U	0.005	mg/L	0.005	SW846-8260B
Toluene	U	0.005	mg/L	0.005	SW846-8260B
Total Xylene	U	0.005	mg/L	0.005	SW846-8260B
trans-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260B
trans-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260B
Trans-1,4-Dichloro-2-butene	U	0.02	mg/L	0.02	SW846-8260B
Trichloroethene	U	0.005	mg/L	0.005	SW846-8260B
Trichlorofluoromethane	U	0.005	mg/L	0.005	SW846-8260B
Vinyl acetate	U	0.01	mg/L	0.01	SW846-8260B

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**MW387**

**SG02-06**

**C-746-S&T MW Abandonment and Replacement - Event 2 SG02-06**

**MW387SG6-02**

Collected: 9/16/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	JU	1	mg/L		1	SW846-9056
Chloride		48.2	mg/L		2	SW846-9056
Fluoride	U	1	mg/L		1	SW846-9056
Sulfate	J	19.8	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.53	Inches/Hg			
Conductivity		441	umho/cm			
Depth to Water		38	ft			
Dissolved Oxygen		4.65	mg/L			
pH		6.03	Std Unit			
Redox		115	mV			
Temperature		64.4	deg F			
<b>HERB</b>						
2,4,5-T	U	0.0005	mg/L		0.0005	SW846-8151A
2,4-D	U	0.001	mg/L		0.001	SW846-8151A
Dinoseb	U	0.05	mg/L		0.05	SW846-8270C
Silvex	U	0.0005	mg/L		0.0005	SW846-8151A
<b>METAL</b>						
Aluminum		0.56	mg/L		0.2	SW846-6010A
Barium		0.188	mg/L		0.025	SW846-6010A
Beryllium	U	0.005	mg/L		0.005	SW846-6010A
Boron	U	2	mg/L		2	SW846-6010A
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Calcium	N	32.4	mg/L		2	SW846-6010A
Chromium	U	0.025	mg/L		0.025	SW846-6010A
Cobalt	U	0.025	mg/L		0.025	SW846-6010A
Copper	U	0.05	mg/L		0.05	SW846-6010A
Iron		1.56	mg/L		0.2	SW846-6010A
Magnesium		12.7	mg/L		0.025	SW846-6010A
Manganese		0.044	mg/L		0.025	SW846-6010A
Mercury	BUW	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	U	0.025	mg/L		0.025	SW846-6010A
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Potassium	U	2	mg/L		2	SW846-6010A
Rhodium	UX	0.2	mg/L		0.2	SW846-6010A
Selenium	UW	0.01	mg/L		0.01	SW846-7740
Silver	U	0.025	mg/L		0.025	SW846-6010A
Sodium	N	44.5	mg/L		2	SW846-6010A
Tantalum	U	0.2	mg/L		0.2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Tin	NU	1	mg/L		1	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.025	mg/L		0.025	SW846-6010A
Zinc	U	0.1	mg/L		0.1	SW846-6010A
<b>METAL-D</b>						
Barium, Dissolved		0.175	mg/L		0.025	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids	J	273	mg/L		100	EPA-160.2
<b>PPCB</b>						

## MW387

## SG02-06

## C-746-S&amp;T MW Abandonment and Replacement - Event 2 SG02-06

4,4'-DDD	U	0.0001	mg/L	0.0001	SW846-8081A
4,4'-DDE	U	0.0001	mg/L	0.0001	SW846-8081A
4,4'-DDT	U	0.0001	mg/L	0.0001	SW846-8081A
Aldrin	U	0.00005	mg/L	5E-05	SW846-8081A
alpha-BHC	U	0.00005	mg/L	5E-05	SW846-8081A
alpha-Chlordane	U	0.00005	mg/L	5E-05	SW846-8081A
beta-BHC	U	0.00005	mg/L	5E-05	SW846-8081A
delta-BHC	U	0.00005	mg/L	5E-05	SW846-8081A
Dieldrin	U	0.0001	mg/L	0.0001	SW846-8081A
Disulfoton	U	0.0005	mg/L	0.0005	SW846-8141
Endosulfan I	U	0.00005	mg/L	5E-05	SW846-8081A
Endosulfan II	U	0.0001	mg/L	0.0001	SW846-8081A
Endosulfan sulfate	U	0.0001	mg/L	0.0001	SW846-8081A
Endrin	U	0.0001	mg/L	0.0001	SW846-8081A
Endrin aldehyde	U	0.0001	mg/L	0.0001	SW846-8081A
Famphur	U	0.0012	mg/L	0.0012	SW846-8141
gamma-Chlordane	U	0.00005	mg/L	5E-05	SW846-8081A
Heptachlor	U	0.00005	mg/L	5E-05	SW846-8081A
Heptachlor epoxide	U	0.00005	mg/L	5E-05	SW846-8081A
Kepone	U	0.0005	mg/L	0.0005	SW846-8081A
Lindane	U	0.00005	mg/L	5E-05	SW846-8081A
Methoxychlor	U	0.0005	mg/L	0.0005	SW846-8081A
Methyl parathion	U	0.0005	mg/L	0.0005	SW846-8141
Parathion	U	0.0005	mg/L	0.0005	SW846-8141
PCB-1016	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1221	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1232	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1242	U	0.00013	mg/L	0.0001	SW846-8082
PCB-1248	U	0.00015	mg/L	0.0002	SW846-8082
PCB-1254	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1260	U	0.00009	mg/L	9E-05	SW846-8082
PCB-1268	U	0.0001	mg/L	0.0001	SW846-8082
Phorate	U	0.0005	mg/L	0.0005	SW846-8141
Polychlorinated biphenyl	U	0.00017	mg/L	0.0002	SW846-8082
Sulfotepp	U	0.0005	mg/L	0.0005	SW846-8141
Thionazin	U	0.0005	mg/L	0.0005	SW846-8141
Toxaphene	U	0.005	mg/L	0.005	SW846-8081A

## RADS

Alpha activity	U	-0.483	pCi/L	0.197	9.91	EPA-900.0
Beta activity		66.6	pCi/L	5.76	5.87	EPA-900.0
Strontium-90	U	-6.73	pCi/L	1.78	17.5	RL-7145
Technetium-99		91.7	pCi/L	15.7	18.6	RL-7100
Tritium	U	-10.9	pCi/L	159	266	704R5

## SVOA

1,2,4,5-Tetrachlorobenzene	U	0.01	mg/L	0.01	SW846-8270C
1,2,4-Trichlorobenzene	U	0.01	mg/L	0.01	SW846-8270C
1,3,5-Trinitrobenzene	U	0.01	mg/L	0.01	SW846-8270C
1,3-Dinitrobenzene	U	0.01	mg/L	0.01	SW846-8270C
1,4-Dioxane	J	0.0006	mg/L	0.01	SW846-8270C
1,4-Naphthoquinone	U	0.01	mg/L	0.01	SW846-8270C
1-Naphthalenamine	U	0.01	mg/L	0.01	SW846-8270C
2,3,4,6-Tetrachlorophenol	U	0.01	mg/L	0.01	SW846-8270C
2,4,5-Trichlorophenol	U	0.025	mg/L	0.025	SW846-8270C
2,4,6-Trichlorophenol	U	0.01	mg/L	0.01	SW846-8270C
2,4-Dichlorophenol	U	0.01	mg/L	0.01	SW846-8270C

## MW387

## SG02-06

## C-746-S&amp;T MW Abandonment and Replacement - Event 2 SG02-06

2,4-Dimethylphenol	U	0.01	mg/L	0.01	SW846-8270C
2,4-Dinitrophenol	U	0.025	mg/L	0.025	SW846-8270C
2,4-Dinitrotoluene	U	0.01	mg/L	0.01	SW846-8270C
2,6-Dichlorophenol	U	0.01	mg/L	0.01	SW846-8270C
2,6-Dinitrotoluene	U	0.01	mg/L	0.01	SW846-8270C
2-Acetylaminofluorene	U	0.01	mg/L	0.01	SW846-8270C
2-Chloronaphthalene	U	0.01	mg/L	0.01	SW846-8270C
2-Chlorophenol	U	0.01	mg/L	0.01	SW846-8270C
2-Methyl-4,6-dinitrophenol	U	0.025	mg/L	0.025	SW846-8270C
2-Methylnaphthalene	U	0.01	mg/L	0.01	SW846-8270C
2-Methylphenol	U	0.01	mg/L	0.01	SW846-8270C
2-Nitrobenzenamine	U	0.025	mg/L	0.025	SW846-8270C
2-Nitrophenol	U	0.01	mg/L	0.01	SW846-8270C
3,3'-Dichlorobenzidine	U	0.01	mg/L	0.01	SW846-8270C
3,3'-Dimethylbenzidine	U	0.01	mg/L	0.01	SW846-8270C
3-Methylcholanthrene	U	0.01	mg/L	0.01	SW846-8270C
3-Methylphenol	U	0.01	mg/L	0.01	SW846-8270C
3-Nitrobenzenamine	U	0.025	mg/L	0.025	SW846-8270C
4-Aminobiphenyl	U	0.01	mg/L	0.01	SW846-8270C
4-Bromophenyl phenyl ether	U	0.01	mg/L	0.01	SW846-8270C
4-Chloro-3-methylphenol	U	0.01	mg/L	0.01	SW846-8270C
4-Chlorobenzenamine	U	0.01	mg/L	0.01	SW846-8270C
4-Chlorophenyl phenyl ether	U	0.01	mg/L	0.01	SW846-8270C
4-Nitrobenzenamine	U	0.025	mg/L	0.025	SW846-8270C
4-Nitrophenol	U	0.025	mg/L	0.025	SW846-8270C
5-(2-Propenyl)-1,3-benzodioxole (Safr	U	0.01	mg/L	0.01	SW846-8270C
5-Nitro-o-toluidine	U	0.01	mg/L	0.01	SW846-8270C
7,12-Dimethylbenz(a)anthracene	U	0.01	mg/L	0.01	SW846-8270C
Acenaphthene	U	0.01	mg/L	0.01	SW846-8270C
Acenaphthylene	U	0.01	mg/L	0.01	SW846-8270C
Acetophenone	U	0.01	mg/L	0.01	SW846-8270C
Anthracene	U	0.01	mg/L	0.01	SW846-8270C
Benz(a)anthracene	U	0.01	mg/L	0.01	SW846-8270C
Benzenemethanol	U	0.01	mg/L	0.01	SW846-8270C
Benzo(a)pyrene	U	0.01	mg/L	0.01	SW846-8270C
Benzo(b)fluoranthene	U	0.01	mg/L	0.01	SW846-8270C
Benzo(ghi)perylene	U	0.01	mg/L	0.01	SW846-8270C
Benzo(k)fluoranthene	U	0.01	mg/L	0.01	SW846-8270C
Bis(2-chloroethoxy)methane	U	0.01	mg/L	0.01	SW846-8270C
Bis(2-chloroethyl) ether	U	0.01	mg/L	0.01	SW846-8270C
Bis(2-chloroisopropyl) ether	U	0.01	mg/L	0.01	SW846-8270C
Bis(2-ethylhexyl)phthalate	JB	0.002	mg/L	0.01	SW846-8270C
Butyl benzyl phthalate	U	0.01	mg/L	0.01	SW846-8270C
Chlorobenzilate	U	0.01	mg/L	0.01	SW846-8270C
Chrysene	U	0.01	mg/L	0.01	SW846-8270C
Diallate	U	0.01	mg/L	0.01	SW846-8270C
Dibenz(a,h)anthracene	U	0.01	mg/L	0.01	SW846-8270C
Dibenzofuran	U	0.01	mg/L	0.01	SW846-8270C
Diethyl phthalate	U	0.01	mg/L	0.01	SW846-8270C
Dimethoate	U	0.0005	mg/L	0.0005	SW846-8141
Dimethyl phthalate	U	0.01	mg/L	0.01	SW846-8270C
Di-n-butyl phthalate	JB	0.002	mg/L	0.01	SW846-8270C
Di-n-octylphthalate	U	0.01	mg/L	0.01	SW846-8270C
Ethyl methanesulfonate	U	0.01	mg/L	0.01	SW846-8270C
Fluoranthene	U	0.01	mg/L	0.01	SW846-8270C

**MW387****SG02-06****C-746-S&T MW Abandonment and Replacement - Event 2 SG02-06**

Fluorene	U	0.01 mg/L	0.01	SW846-8270C
Hexachloro-1-propene	U	0.01 mg/L	0.01	SW846-8270C
Hexachlorobenzene	U	0.01 mg/L	0.01	SW846-8270C
Hexachlorobutadiene	U	0.01 mg/L	0.01	SW846-8270C
Hexachlorocyclopentadiene	U	0.01 mg/L	0.01	SW846-8270C
Hexachloroethane	U	0.01 mg/L	0.01	SW846-8270C
Indeno(1,2,3-cd)pyrene	U	0.01 mg/L	0.01	SW846-8270C
Isodrin	U	0.01 mg/L	0.01	SW846-8270C
Isodrin	U	0.0001 mg/L	0.0001	SW846-8081A
Isophorone	U	0.01 mg/L	0.01	SW846-8270C
Isosafrole	U	0.01 mg/L	0.01	SW846-8270C
Methapyrilene	U	0.01 mg/L	0.01	SW846-8270C
Methyl methanesulfonate	U	0.01 mg/L	0.01	SW846-8270C
Naphthalene	U	0.01 mg/L	0.01	SW846-8270C
Nitrobenzene	U	0.01 mg/L	0.01	SW846-8270C
N-Nitrosodiethylamine	U	0.01 mg/L	0.01	SW846-8270C
N-Nitrosodimethylamine	U	0.01 mg/L	0.01	SW846-8270C
N-Nitroso-di-n-butylamine	U	0.01 mg/L	0.01	SW846-8270C
N-Nitroso-di-n-propylamine	U	0.01 mg/L	0.01	SW846-8270C
N-Nitrosodiphenylamine	U	0.01 mg/L	0.01	SW846-8270C
N-Nitrosomethylethylamine	U	0.01 mg/L	0.01	SW846-8270C
N-Nitrosopiperidine	U	0.05 mg/L	0.05	SW846-8270C
N-Nitrosopyrrolidine	U	0.01 mg/L	0.01	SW846-8270C
O,O,O-Triethylphosphorothioate	U	0.0005 mg/L	0.0005	SW846-8141
o-Toluidine	U	0.01 mg/L	0.01	SW846-8270C
p-Dimethylaminoazobenzene	U	0.01 mg/L	0.01	SW846-8270C
Pentachlorobenzene	U	0.01 mg/L	0.01	SW846-8270C
Pentachloroethane	U	0.01 mg/L	0.01	SW846-8270C
Pentachloronitrobenzene	U	0.05 mg/L	0.05	SW846-8270C
Pentachlorophenol	U	0.025 mg/L	0.025	SW846-8270C
Phenacetin	U	0.01 mg/L	0.01	SW846-8270C
Phenanthrene	U	0.01 mg/L	0.01	SW846-8270C
Phenol	U	0.01 mg/L	0.01	SW846-8270C
p-Phenylenediamine	U	0.01 mg/L	0.01	SW846-8270C
Pronamide	U	0.01 mg/L	0.01	SW846-8270C
Pyrene	U	0.01 mg/L	0.01	SW846-8270C
<b>VOA</b>				
2-Naphthalenamine	U	0.01 mg/L	0.01	SW846-8270C
Ethanol	U	5 mg/L	5	SW846-8015B
<b>WETCHEM</b>				
Bicarbonate as CaCO3		124 mg/L	10	SM-2320 B 17
Chemical Oxygen Demand (COD)	U	35 mg/L	35	EPA-410.4 1978
Cyanide	UX	0.02 mg/L	0.02	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Sulfide	X	7 mg/L	4	EPA-376.1
Total Organic Carbon (TOC)	UX	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	BU	0.05 mg/L	0.05	SW846-9020B
Turbidity		13 NTU	0.5	EPA-180.1 1978



MW387

SG02-06

C-746-S&T MW Abandonment and Replacement - Event 2 SG02-06

MW387SG602RE

Collected: 9/30/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.56	Inches/Hg			
Conductivity		440	umho/cm			
Depth to Water		38.56	ft			
Dissolved Oxygen		5.12	mg/L			
pH		5.94	Std Unit			
Redox		100	mV			
Temperature		62.5	deg F			
<b>SVOA</b>						
1,3-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260B
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260B
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260B
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260B
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260B
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260B
1,1-Dichloropropene	U	0.01	mg/L		0.01	SW846-8260B
1,2,3-Trichloropropane	U	0.01	mg/L		0.01	SW846-8260B
1,2-Dibromo-3-chloropropane	U	0.02	mg/L		0.02	SW846-8260B
1,2-Dibromoethane	U	0.02	mg/L		0.02	SW846-8260B
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260B
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260B
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260B
1,2-Dimethylbenzene	U	0.005	mg/L		0.005	SW846-8260B
1,3-Dichloropropane	U	0.01	mg/L		0.01	SW846-8260B
1,3-Dimethylbenzene	U	0.005	mg/L		0.005	SW846-8260B
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260B
2,2-Dichloropropane	U	0.01	mg/L		0.01	SW846-8260B
2-Butanone	U	0.05	mg/L		0.05	SW846-8260B
2-Chloro-1,3-butadiene	U	0.01	mg/L		0.01	SW846-8260B
2-Chloroethyl vinyl ether	U	0.01	mg/L		0.01	SW846-8260B
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260B
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260B
Acetone	U	0.01	mg/L		0.01	SW846-8260B
Acetonitrile	U	0.02	mg/L		0.02	SW846-8260B
Acrolein	U	0.01	mg/L		0.01	SW846-8260B
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260B
Allyl chloride	U	0.02	mg/L		0.02	SW846-8260B
Benzene	U	0.005	mg/L		0.005	SW846-8260B
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260B
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260B
Bromoform	U	0.005	mg/L		0.005	SW846-8260B
Bromomethane	U	0.01	mg/L		0.01	SW846-8260B
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260B
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260B
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260B
Chloroethane	U	0.01	mg/L		0.01	SW846-8260B
Chloromethane	U	0.01	mg/L		0.01	SW846-8260B
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260B
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260B

**MW387****SG02-06****C-746-S&T MW Abandonment and Replacement - Event 2 SG02-06**

Dibromochloromethane	U	0.005 mg/L	0.005	SW846-8260B
Dibromomethane	U	0.01 mg/L	0.01	SW846-8260B
Dichlorodifluoromethane	U	0.01 mg/L	0.01	SW846-8260B
Ethyl cyanide	U	0.05 mg/L	0.05	SW846-8260B
Ethyl methacrylate	U	0.01 mg/L	0.01	SW846-8260B
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260B
Iodomethane	U	0.01 mg/L	0.01	SW846-8260B
Isobutanol	U	0.1 mg/L	0.1	SW846-8260B
Methacrylonitrile	U	0.02 mg/L	0.02	SW846-8260B
Methyl methacrylate	U	0.01 mg/L	0.01	SW846-8260B
Methylene chloride	U	0.005 mg/L	0.005	SW846-8260B
Styrene	U	0.005 mg/L	0.005	SW846-8260B
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260B
Toluene	U	0.005 mg/L	0.005	SW846-8260B
Total Xylene	U	0.005 mg/L	0.005	SW846-8260B
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260B
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260B
Trans-1,4-Dichloro-2-butene	U	0.02 mg/L	0.02	SW846-8260B
Trichloroethene		0.007 mg/L	0.005	SW846-8260B
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260B
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260B

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Paducah-OREIS Data Report

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12/18/2007

MW388

SG02-06

C-746-S&T MW Abandonment and Replacement - Event 2 SG02-06

MW388SG6-02

Collected: 9/17/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		42.7	mg/L		2	SW846-9056
Fluoride	U	1	mg/L		1	SW846-9056
Sulfate		13.9	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.47	Inches/Hg			
Conductivity		377	umho/cm			
Depth to Water		37.97	ft			
Dissolved Oxygen		5.62	mg/L			
pH		5.98	Std Unit			
Redox		135	mV			
Temperature		62.3	deg F			
<b>HERB</b>						
2,4,5-T	U	0.0005	mg/L		0.0005	SW846-8151A
2,4-D	U	0.001	mg/L		0.001	SW846-8151A
Dinoseb	U	0.05	mg/L		0.05	SW846-8270C
Silvex	U	0.0005	mg/L		0.0005	SW846-8151A
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium		0.197	mg/L		0.025	SW846-6010A
Beryllium	U	0.005	mg/L		0.005	SW846-6010A
Boron	U	2	mg/L		2	SW846-6010A
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Calcium	N	25.7	mg/L		2	SW846-6010A
Chromium	U	0.025	mg/L		0.025	SW846-6010A
Cobalt	U	0.025	mg/L		0.025	SW846-6010A
Copper	U	0.05	mg/L		0.05	SW846-6010A
Iron		0.795	mg/L		0.2	SW846-6010A
Magnesium		10.7	mg/L		0.025	SW846-6010A
Manganese	U	0.025	mg/L		0.025	SW846-6010A
Mercury	BUW	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	U	0.025	mg/L		0.025	SW846-6010A
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Potassium	U	2	mg/L		2	SW846-6010A
Rhodium	UX	0.2	mg/L		0.2	SW846-6010A
Selenium	UW	0.01	mg/L		0.01	SW846-7740
Silver	U	0.025	mg/L		0.025	SW846-6010A
Sodium	N	42.3	mg/L		2	SW846-6010A
Tantalum	U	0.2	mg/L		0.2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Tin	NU	1	mg/L		1	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.025	mg/L		0.025	SW846-6010A
Zinc	U	0.1	mg/L		0.1	SW846-6010A
<b>METAL-D</b>						
Barium, Dissolved		0.185	mg/L		0.025	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		227	mg/L		100	EPA-160.2
<b>PPCB</b>						

## MW388

## SG02-06

## C-746-S&amp;T MW Abandonment and Replacement - Event 2 SG02-06

4,4'-DDD	U	0.0001	mg/L	0.0001	SW846-8081A
4,4'-DDE	U	0.0001	mg/L	0.0001	SW846-8081A
4,4'-DDT	U	0.0001	mg/L	0.0001	SW846-8081A
Aldrin	U	0.00005	mg/L	5E-05	SW846-8081A
alpha-BHC	U	0.00005	mg/L	5E-05	SW846-8081A
alpha-Chlordane	U	0.00005	mg/L	5E-05	SW846-8081A
beta-BHC	U	0.00005	mg/L	5E-05	SW846-8081A
delta-BHC	U	0.00005	mg/L	5E-05	SW846-8081A
Dieldrin	U	0.0001	mg/L	0.0001	SW846-8081A
Disulfoton	U	0.0005	mg/L	0.0005	SW846-8141
Endosulfan I	U	0.00005	mg/L	5E-05	SW846-8081A
Endosulfan II	U	0.0001	mg/L	0.0001	SW846-8081A
Endosulfan sulfate	U	0.0001	mg/L	0.0001	SW846-8081A
Endrin	U	0.0001	mg/L	0.0001	SW846-8081A
Endrin aldehyde	U	0.0001	mg/L	0.0001	SW846-8081A
Famphur	U	0.0012	mg/L	0.0012	SW846-8141
gamma-Chlordane	U	0.00005	mg/L	5E-05	SW846-8081A
Heptachlor	U	0.00005	mg/L	5E-05	SW846-8081A
Heptachlor epoxide	U	0.00005	mg/L	5E-05	SW846-8081A
Kepone	U	0.0005	mg/L	0.0005	SW846-8081A
Lindane	U	0.00005	mg/L	5E-05	SW846-8081A
Methoxychlor	U	0.0005	mg/L	0.0005	SW846-8081A
Methyl parathion	U	0.0005	mg/L	0.0005	SW846-8141
Parathion	U	0.0005	mg/L	0.0005	SW846-8141
PCB-1016	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1221	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1232	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1242	U	0.00013	mg/L	0.0001	SW846-8082
PCB-1248	U	0.00015	mg/L	0.0002	SW846-8082
PCB-1254	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1260	U	0.00009	mg/L	9E-05	SW846-8082
PCB-1268	U	0.0001	mg/L	0.0001	SW846-8082
Phorate	U	0.0005	mg/L	0.0005	SW846-8141
Polychlorinated biphenyl	U	0.00017	mg/L	0.0002	SW846-8082
Sulfotepp	U	0.0005	mg/L	0.0005	SW846-8141
Thionazin	U	0.0005	mg/L	0.0005	SW846-8141
Toxaphene	U	0.005	mg/L	0.005	SW846-8081A

**RADS**

Alpha activity	U	4.82	pCi/L	1.97	9.35	EPA-900.0
Beta activity		17.1	pCi/L	2.48	5.76	EPA-900.0
Strontium-90	U	-11.5	pCi/L	3.65	17.5	RL-7145
Technetium-99	U	18.4	pCi/L	13.3	18.6	RL-7100
Tritium	U	-105	pCi/L	157	266	704R5

**SVOA**

1,2,4,5-Tetrachlorobenzene	U	0.01	mg/L	0.01	SW846-8270C
1,2,4-Trichlorobenzene	U	0.01	mg/L	0.01	SW846-8270C
1,3,5-Trinitrobenzene	U	0.01	mg/L	0.01	SW846-8270C
1,3-Dinitrobenzene	U	0.01	mg/L	0.01	SW846-8270C
1,4-Dioxane	J	0.0005	mg/L	0.01	SW846-8270C
1,4-Naphthoquinone	U	0.01	mg/L	0.01	SW846-8270C
1-Naphthalenamine	U	0.01	mg/L	0.01	SW846-8270C
2,3,4,6-Tetrachlorophenol	U	0.01	mg/L	0.01	SW846-8270C
2,4,5-Trichlorophenol	U	0.025	mg/L	0.025	SW846-8270C
2,4,6-Trichlorophenol	U	0.01	mg/L	0.01	SW846-8270C
2,4-Dichlorophenol	U	0.01	mg/L	0.01	SW846-8270C

## MW388

## SG02-06

## C-746-S&amp;T MW Abandonment and Replacement - Event 2 SG02-06

2,4-Dimethylphenol	U	0.01	mg/L	0.01	SW846-8270C
2,4-Dinitrophenol	U	0.025	mg/L	0.025	SW846-8270C
2,4-Dinitrotoluene	U	0.01	mg/L	0.01	SW846-8270C
2,6-Dichlorophenol	U	0.01	mg/L	0.01	SW846-8270C
2,6-Dinitrotoluene	U	0.01	mg/L	0.01	SW846-8270C
2-Acetylaminofluorene	U	0.01	mg/L	0.01	SW846-8270C
2-Chloronaphthalene	U	0.01	mg/L	0.01	SW846-8270C
2-Chlorophenol	U	0.01	mg/L	0.01	SW846-8270C
2-Methyl-4,6-dinitrophenol	U	0.025	mg/L	0.025	SW846-8270C
2-Methylnaphthalene	U	0.01	mg/L	0.01	SW846-8270C
2-Methylphenol	U	0.01	mg/L	0.01	SW846-8270C
2-Nitrobenzenamine	U	0.025	mg/L	0.025	SW846-8270C
2-Nitrophenol	U	0.01	mg/L	0.01	SW846-8270C
3,3'-Dichlorobenzidine	U	0.01	mg/L	0.01	SW846-8270C
3,3'-Dimethylbenzidine	U	0.01	mg/L	0.01	SW846-8270C
3-Methylcholanthrene	U	0.01	mg/L	0.01	SW846-8270C
3-Methylphenol	U	0.01	mg/L	0.01	SW846-8270C
3-Nitrobenzenamine	U	0.025	mg/L	0.025	SW846-8270C
4-Aminobiphenyl	U	0.01	mg/L	0.01	SW846-8270C
4-Bromophenyl phenyl ether	U	0.01	mg/L	0.01	SW846-8270C
4-Chloro-3-methylphenol	U	0.01	mg/L	0.01	SW846-8270C
4-Chlorobenzenamine	U	0.01	mg/L	0.01	SW846-8270C
4-Chlorophenyl phenyl ether	U	0.01	mg/L	0.01	SW846-8270C
4-Nitrobenzenamine	U	0.025	mg/L	0.025	SW846-8270C
4-Nitrophenol	U	0.025	mg/L	0.025	SW846-8270C
5-(2-Propenyl)-1,3-benzodioxole (Safr	U	0.01	mg/L	0.01	SW846-8270C
5-Nitro-o-toluidine	U	0.01	mg/L	0.01	SW846-8270C
7,12-Dimethylbenz(a)anthracene	U	0.01	mg/L	0.01	SW846-8270C
Acenaphthene	U	0.01	mg/L	0.01	SW846-8270C
Acenaphthylene	U	0.01	mg/L	0.01	SW846-8270C
Acetophenone	U	0.01	mg/L	0.01	SW846-8270C
Anthracene	U	0.01	mg/L	0.01	SW846-8270C
Benz(a)anthracene	U	0.01	mg/L	0.01	SW846-8270C
Benzenemethanol	U	0.01	mg/L	0.01	SW846-8270C
Benzo(a)pyrene	U	0.01	mg/L	0.01	SW846-8270C
Benzo(b)fluoranthene	U	0.01	mg/L	0.01	SW846-8270C
Benzo(ghi)perylene	U	0.01	mg/L	0.01	SW846-8270C
Benzo(k)fluoranthene	U	0.01	mg/L	0.01	SW846-8270C
Bis(2-chloroethoxy)methane	U	0.01	mg/L	0.01	SW846-8270C
Bis(2-chloroethyl) ether	U	0.01	mg/L	0.01	SW846-8270C
Bis(2-chloroisopropyl) ether	U	0.01	mg/L	0.01	SW846-8270C
Bis(2-ethylhexyl)phthalate	JB	0.002	mg/L	0.01	SW846-8270C
Butyl benzyl phthalate	U	0.01	mg/L	0.01	SW846-8270C
Chlorobenzilate	U	0.01	mg/L	0.01	SW846-8270C
Chrysene	U	0.01	mg/L	0.01	SW846-8270C
Diallate	U	0.01	mg/L	0.01	SW846-8270C
Dibenz(a,h)anthracene	U	0.01	mg/L	0.01	SW846-8270C
Dibenzofuran	U	0.01	mg/L	0.01	SW846-8270C
Diethyl phthalate	U	0.01	mg/L	0.01	SW846-8270C
Dimethoate	U	0.0005	mg/L	0.0005	SW846-8141
Dimethyl phthalate	U	0.01	mg/L	0.01	SW846-8270C
Di-n-butyl phthalate	JB	0.002	mg/L	0.01	SW846-8270C
Di-n-octylphthalate	U	0.01	mg/L	0.01	SW846-8270C
Ethyl methanesulfonate	U	0.01	mg/L	0.01	SW846-8270C
Fluoranthene	U	0.01	mg/L	0.01	SW846-8270C

**MW388****SG02-06****C-746-S&T MW Abandonment and Replacement - Event 2 SG02-06**

Fluorene	U	0.01	mg/L	0.01	SW846-8270C
Hexachloro-1-propene	U	0.01	mg/L	0.01	SW846-8270C
Hexachlorobenzene	U	0.01	mg/L	0.01	SW846-8270C
Hexachlorobutadiene	U	0.01	mg/L	0.01	SW846-8270C
Hexachlorocyclopentadiene	U	0.01	mg/L	0.01	SW846-8270C
Hexachloroethane	U	0.01	mg/L	0.01	SW846-8270C
Indeno(1,2,3-cd)pyrene	U	0.01	mg/L	0.01	SW846-8270C
Isodrin	U	0.0001	mg/L	0.0001	SW846-8081A
Isodrin	U	0.01	mg/L	0.01	SW846-8270C
Isophorone	U	0.01	mg/L	0.01	SW846-8270C
Isosafrole	U	0.01	mg/L	0.01	SW846-8270C
Methapyrilene	U	0.01	mg/L	0.01	SW846-8270C
Methyl methanesulfonate	U	0.01	mg/L	0.01	SW846-8270C
Naphthalene	U	0.01	mg/L	0.01	SW846-8270C
Nitrobenzene	U	0.01	mg/L	0.01	SW846-8270C
N-Nitrosodiethylamine	U	0.01	mg/L	0.01	SW846-8270C
N-Nitrosodimethylamine	U	0.01	mg/L	0.01	SW846-8270C
N-Nitroso-di-n-butylamine	U	0.01	mg/L	0.01	SW846-8270C
N-Nitroso-di-n-propylamine	U	0.01	mg/L	0.01	SW846-8270C
N-Nitrosodiphenylamine	U	0.01	mg/L	0.01	SW846-8270C
N-Nitrosomethylethylamine	U	0.01	mg/L	0.01	SW846-8270C
N-Nitrosopiperidine	U	0.05	mg/L	0.05	SW846-8270C
N-Nitrosopyrrolidine	U	0.01	mg/L	0.01	SW846-8270C
O,O,O-Triethylphosphorothioate	U	0.0005	mg/L	0.0005	SW846-8141
o-Toluidine	U	0.01	mg/L	0.01	SW846-8270C
p-Dimethylaminoazobenzene	U	0.01	mg/L	0.01	SW846-8270C
Pentachlorobenzene	U	0.01	mg/L	0.01	SW846-8270C
Pentachloroethane	U	0.01	mg/L	0.01	SW846-8270C
Pentachloronitrobenzene	U	0.05	mg/L	0.05	SW846-8270C
Pentachlorophenol	U	0.025	mg/L	0.025	SW846-8270C
Phenacetin	U	0.01	mg/L	0.01	SW846-8270C
Phenanthrene	U	0.01	mg/L	0.01	SW846-8270C
Phenol	U	0.01	mg/L	0.01	SW846-8270C
p-Phenylenediamine	U	0.01	mg/L	0.01	SW846-8270C
Pronamide	U	0.01	mg/L	0.01	SW846-8270C
Pyrene	U	0.01	mg/L	0.01	SW846-8270C
<b>VOA</b>					
2-Naphthalenamine	U	0.01	mg/L	0.01	SW846-8270C
Ethanol	U	5	mg/L	5	SW846-8015B
<b>WETCHEM</b>					
Bicarbonate as CaCO3	B	104	mg/L	10	SM-2320 B 17
Chemical Oxygen Demand (COD)	U	35	mg/L	35	EPA-410.4 1978
Cyanide	UX	0.02	mg/L	0.02	SW846-9010-A
Iodide	U	2	mg/L	2	EPA-345.1 1974
Sulfide	U	1	mg/L	1	EPA-376.1
Total Organic Carbon (TOC)	U	1	mg/L	1	SW846-9060
Total Organic Halides (TOX)	BU	0.05	mg/L	0.05	SW846-9020B
Turbidity		7	NTU	0.5	EPA-180.1 1978

**MW388**

**SG02-06**

**C-746-S&T MW Abandonment and Replacement - Event 2 SG02-06**

**MW388SG602RE**

Collected: 9/30/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.59	Inches/Hg			
Conductivity		377	umho/cm			
Depth to Water		38.55	ft			
Dissolved Oxygen		5.74	mg/L			
pH		5.93	Std Unit			
Redox		100	mV			
Temperature		62.2	deg F			
<b>SVOA</b>						
1,3-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260B
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260B
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260B
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260B
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260B
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260B
1,1-Dichloropropene	U	0.01	mg/L		0.01	SW846-8260B
1,2,3-Trichloropropane	U	0.01	mg/L		0.01	SW846-8260B
1,2-Dibromo-3-chloropropane	U	0.02	mg/L		0.02	SW846-8260B
1,2-Dibromoethane	U	0.02	mg/L		0.02	SW846-8260B
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260B
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260B
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260B
1,2-Dimethylbenzene	U	0.005	mg/L		0.005	SW846-8260B
1,3-Dichloropropane	U	0.01	mg/L		0.01	SW846-8260B
1,3-Dimethylbenzene	U	0.005	mg/L		0.005	SW846-8260B
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260B
2,2-Dichloropropane	U	0.01	mg/L		0.01	SW846-8260B
2-Butanone	U	0.05	mg/L		0.05	SW846-8260B
2-Chloro-1,3-butadiene	U	0.01	mg/L		0.01	SW846-8260B
2-Chloroethyl vinyl ether	U	0.01	mg/L		0.01	SW846-8260B
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260B
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260B
Acetone	U	0.01	mg/L		0.01	SW846-8260B
Acetonitrile	U	0.02	mg/L		0.02	SW846-8260B
Acrolein	U	0.01	mg/L		0.01	SW846-8260B
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260B
Allyl chloride	U	0.02	mg/L		0.02	SW846-8260B
Benzene	U	0.005	mg/L		0.005	SW846-8260B
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260B
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260B
Bromoform	U	0.005	mg/L		0.005	SW846-8260B
Bromomethane	U	0.01	mg/L		0.01	SW846-8260B
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260B
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260B
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260B
Chloroethane	U	0.01	mg/L		0.01	SW846-8260B
Chloromethane	U	0.01	mg/L		0.01	SW846-8260B
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260B
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260B

## MW388

## SG02-06

## C-746-S&amp;T MW Abandonment and Replacement - Event 2 SG02-06

Dibromochloromethane	U	0.005 mg/L	0.005	SW846-8260B
Dibromomethane	U	0.01 mg/L	0.01	SW846-8260B
Dichlorodifluoromethane	U	0.01 mg/L	0.01	SW846-8260B
Ethyl cyanide	U	0.05 mg/L	0.05	SW846-8260B
Ethyl methacrylate	U	0.01 mg/L	0.01	SW846-8260B
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260B
Iodomethane	U	0.01 mg/L	0.01	SW846-8260B
Isobutanol	U	0.1 mg/L	0.1	SW846-8260B
Methacrylonitrile	U	0.02 mg/L	0.02	SW846-8260B
Methyl methacrylate	U	0.01 mg/L	0.01	SW846-8260B
Methylene chloride	JB	0.004 mg/L	0.005	SW846-8260B
Styrene	U	0.005 mg/L	0.005	SW846-8260B
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260B
Toluene	U	0.005 mg/L	0.005	SW846-8260B
Total Xylene	U	0.005 mg/L	0.005	SW846-8260B
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260B
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260B
Trans-1,4-Dichloro-2-butene	U	0.02 mg/L	0.02	SW846-8260B
Trichloroethene	J	0.001 mg/L	0.005	SW846-8260B
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260B
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260B

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MW390

SG02-06

C-746-S&T MW Abandonment and Replacement - Event 2 SG02-06

MW390SG6-02

Collected: 9/17/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide		2.6	mg/L		1	SW846-9056
Chloride		309.8	mg/L		2	SW846-9056
Fluoride	U	1	mg/L		1	SW846-9056
Sulfate		8	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.5	Inches/Hg			
Conductivity		1363	umho/cm			
Depth to Water		35.02	ft			
Dissolved Oxygen		0.14	mg/L			
pH		6.24	Std Unit			
Temperature		62.3	deg F			
<b>HERB</b>						
2,4,5-T	U	0.0005	mg/L		0.0005	SW846-8151A
2,4-D	U	0.001	mg/L		0.001	SW846-8151A
Dinoseb	U	0.05	mg/L		0.05	SW846-8270C
Silvex	U	0.0005	mg/L		0.0005	SW846-8151A
<b>METAL</b>						
Aluminum		4.71	mg/L		0.2	SW846-6010A
Arsenic	W	0.012	mg/L		0.005	SW846-7060
Barium		0.354	mg/L		0.025	SW846-6010A
Beryllium	U	0.005	mg/L		0.005	SW846-6010A
Boron	U	2	mg/L		2	SW846-6010A
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Calcium	N	82.1	mg/L		2	SW846-6010A
Chromium	U	0.025	mg/L		0.025	SW846-6010A
Cobalt		0.054	mg/L		0.025	SW846-6010A
Copper	U	0.05	mg/L		0.05	SW846-6010A
Iron		32.1	mg/L		0.2	SW846-6010A
Magnesium		31	mg/L		0.025	SW846-6010A
Manganese		1.44	mg/L		0.025	SW846-6010A
Mercury	BUW	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	U	0.025	mg/L		0.025	SW846-6010A
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Potassium	U	2	mg/L		2	SW846-6010A
Rhodium	UX	0.2	mg/L		0.2	SW846-6010A
Selenium	UW	0.01	mg/L		0.01	SW846-7740
Silver	U	0.025	mg/L		0.025	SW846-6010A
Sodium	N	136	mg/L		2	SW846-6010A
Tantalum	U	0.2	mg/L		0.2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Tin	NU	1	mg/L		1	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium		0.038	mg/L		0.025	SW846-6010A
Zinc	U	0.1	mg/L		0.1	SW846-6010A
<b>METAL-D</b>						
Arsenic, Dissolved	N	0.013	mg/L		0.005	SW846-7060
Barium, Dissolved		0.324	mg/L		0.025	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		821	mg/L		100	EPA-160.2

**MW390**

**SG02-06**

**C-746-S&T MW Abandonment and Replacement - Event 2 SG02-06**

**PPCB**

4,4'-DDD	U	0.0001	mg/L	0.0001	SW846-8081A
4,4'-DDE	U	0.0001	mg/L	0.0001	SW846-8081A
4,4'-DDT	U	0.0001	mg/L	0.0001	SW846-8081A
Aldrin	U	0.00005	mg/L	5E-05	SW846-8081A
alpha-BHC	U	0.00005	mg/L	5E-05	SW846-8081A
alpha-Chlordane	U	0.00005	mg/L	5E-05	SW846-8081A
beta-BHC	U	0.00005	mg/L	5E-05	SW846-8081A
delta-BHC	U	0.00005	mg/L	5E-05	SW846-8081A
Dieldrin	U	0.0001	mg/L	0.0001	SW846-8081A
Disulfoton	U	0.0005	mg/L	0.0005	SW846-8141
Endosulfan I	U	0.00005	mg/L	5E-05	SW846-8081A
Endosulfan II	U	0.0001	mg/L	0.0001	SW846-8081A
Endosulfan sulfate	U	0.0001	mg/L	0.0001	SW846-8081A
Endrin	U	0.0001	mg/L	0.0001	SW846-8081A
Endrin aldehyde	U	0.0001	mg/L	0.0001	SW846-8081A
Famphur	U	0.0012	mg/L	0.0012	SW846-8141
gamma-Chlordane	U	0.00005	mg/L	5E-05	SW846-8081A
Heptachlor	U	0.00005	mg/L	5E-05	SW846-8081A
Heptachlor epoxide	U	0.00005	mg/L	5E-05	SW846-8081A
Kepone	U	0.0005	mg/L	0.0005	SW846-8081A
Lindane	U	0.00005	mg/L	5E-05	SW846-8081A
Methoxychlor	U	0.0005	mg/L	0.0005	SW846-8081A
Methyl parathion	U	0.0005	mg/L	0.0005	SW846-8141
Parathion	U	0.0005	mg/L	0.0005	SW846-8141
PCB-1016	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1221	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1232	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1242	U	0.00013	mg/L	0.0001	SW846-8082
PCB-1248	U	0.00015	mg/L	0.0002	SW846-8082
PCB-1254	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1260	U	0.00009	mg/L	9E-05	SW846-8082
PCB-1268	U	0.0001	mg/L	0.0001	SW846-8082
Phorate	U	0.0005	mg/L	0.0005	SW846-8141
Polychlorinated biphenyl	U	0.00017	mg/L	0.0002	SW846-8082
Sulfotepp	U	0.0005	mg/L	0.0005	SW846-8141
Thionazin	U	0.0005	mg/L	0.0005	SW846-8141
Toxaphene	U	0.005	mg/L	0.005	SW846-8081A

**RADS**

Alpha activity	U	2.2	pCi/L	1.1	12	EPA-900.0
Beta activity		8.54	pCi/L	1.53	6.27	EPA-900.0
Strontium-90	U	-5.51	pCi/L	1.41	17.5	RL-7145
Technetium-99	U	16.8	pCi/L	13.2	18.6	RL-7100
Tritium	U	-109	pCi/L	157	266	704R5

**SVOA**

1,2,4,5-Tetrachlorobenzene	U	0.01	mg/L	0.01	SW846-8270C
1,2,4-Trichlorobenzene	U	0.01	mg/L	0.01	SW846-8270C
1,3,5-Trinitrobenzene	U	0.01	mg/L	0.01	SW846-8270C
1,3-Dinitrobenzene	U	0.01	mg/L	0.01	SW846-8270C
1,4-Dioxane	U	0.01	mg/L	0.01	SW846-8270C
1,4-Naphthoquinone	U	0.01	mg/L	0.01	SW846-8270C
1-Naphthalenamine	U	0.01	mg/L	0.01	SW846-8270C
2,3,4,6-Tetrachlorophenol	U	0.01	mg/L	0.01	SW846-8270C
2,4,5-Trichlorophenol	U	0.025	mg/L	0.025	SW846-8270C
2,4,6-Trichlorophenol	U	0.01	mg/L	0.01	SW846-8270C

## MW390

## SG02-06

## C-746-S&amp;T MW Abandonment and Replacement - Event 2 SG02-06

2,4-Dichlorophenol	U	0.01	mg/L	0.01	SW846-8270C
2,4-Dimethylphenol	U	0.01	mg/L	0.01	SW846-8270C
2,4-Dinitrophenol	U	0.025	mg/L	0.025	SW846-8270C
2,4-Dinitrotoluene	U	0.01	mg/L	0.01	SW846-8270C
2,6-Dichlorophenol	U	0.01	mg/L	0.01	SW846-8270C
2,6-Dinitrotoluene	U	0.01	mg/L	0.01	SW846-8270C
2-Acetylaminofluorene	U	0.01	mg/L	0.01	SW846-8270C
2-Chloronaphthalene	U	0.01	mg/L	0.01	SW846-8270C
2-Chlorophenol	U	0.01	mg/L	0.01	SW846-8270C
2-Methyl-4,6-dinitrophenol	U	0.025	mg/L	0.025	SW846-8270C
2-Methylnaphthalene	U	0.01	mg/L	0.01	SW846-8270C
2-Methylphenol	U	0.01	mg/L	0.01	SW846-8270C
2-Nitrobenzenamine	U	0.025	mg/L	0.025	SW846-8270C
2-Nitrophenol	U	0.01	mg/L	0.01	SW846-8270C
3,3'-Dichlorobenzidine	U	0.01	mg/L	0.01	SW846-8270C
3,3'-Dimethylbenzidine	U	0.01	mg/L	0.01	SW846-8270C
3-Methylcholanthrene	U	0.01	mg/L	0.01	SW846-8270C
3-Methylphenol	U	0.01	mg/L	0.01	SW846-8270C
3-Nitrobenzenamine	U	0.025	mg/L	0.025	SW846-8270C
4-Aminobiphenyl	U	0.01	mg/L	0.01	SW846-8270C
4-Bromophenyl phenyl ether	U	0.01	mg/L	0.01	SW846-8270C
4-Chloro-3-methylphenol	U	0.01	mg/L	0.01	SW846-8270C
4-Chlorobenzenamine	U	0.01	mg/L	0.01	SW846-8270C
4-Chlorophenyl phenyl ether	U	0.01	mg/L	0.01	SW846-8270C
4-Nitrobenzenamine	U	0.025	mg/L	0.025	SW846-8270C
4-Nitrophenol	U	0.025	mg/L	0.025	SW846-8270C
5-(2-Propenyl)-1,3-benzodioxole (Safr	U	0.01	mg/L	0.01	SW846-8270C
5-Nitro-o-toluidine	U	0.01	mg/L	0.01	SW846-8270C
7,12-Dimethylbenz(a)anthracene	U	0.01	mg/L	0.01	SW846-8270C
Acenaphthene	U	0.01	mg/L	0.01	SW846-8270C
Acenaphthylene	U	0.01	mg/L	0.01	SW846-8270C
Acetophenone	U	0.01	mg/L	0.01	SW846-8270C
Anthracene	U	0.01	mg/L	0.01	SW846-8270C
Benz(a)anthracene	U	0.01	mg/L	0.01	SW846-8270C
Benzenemethanol	U	0.01	mg/L	0.01	SW846-8270C
Benzo(a)pyrene	U	0.01	mg/L	0.01	SW846-8270C
Benzo(b)fluoranthene	U	0.01	mg/L	0.01	SW846-8270C
Benzo(ghi)perylene	U	0.01	mg/L	0.01	SW846-8270C
Benzo(k)fluoranthene	U	0.01	mg/L	0.01	SW846-8270C
Bis(2-chloroethoxy)methane	U	0.01	mg/L	0.01	SW846-8270C
Bis(2-chloroethyl) ether	U	0.01	mg/L	0.01	SW846-8270C
Bis(2-chloroisopropyl) ether	U	0.01	mg/L	0.01	SW846-8270C
Bis(2-ethylhexyl)phthalate	JB	0.001	mg/L	0.01	SW846-8270C
Butyl benzyl phthalate	U	0.01	mg/L	0.01	SW846-8270C
Chlorobenzilate	U	0.01	mg/L	0.01	SW846-8270C
Chrysene	U	0.01	mg/L	0.01	SW846-8270C
Diallate	U	0.01	mg/L	0.01	SW846-8270C
Dibenz(a,h)anthracene	U	0.01	mg/L	0.01	SW846-8270C
Dibenzofuran	U	0.01	mg/L	0.01	SW846-8270C
Diethyl phthalate	U	0.01	mg/L	0.01	SW846-8270C
Dimethoate	U	0.0005	mg/L	0.0005	SW846-8141
Dimethyl phthalate	U	0.01	mg/L	0.01	SW846-8270C
Di-n-butyl phthalate	JB	0.002	mg/L	0.01	SW846-8270C
Di-n-octylphthalate	U	0.01	mg/L	0.01	SW846-8270C
Ethyl methanesulfonate	U	0.01	mg/L	0.01	SW846-8270C

**MW390****SG02-06****C-746-S&T MW Abandonment and Replacement - Event 2 SG02-06**

Fluoranthene	U	0.01	mg/L	0.01	SW846-8270C
Fluorene	U	0.01	mg/L	0.01	SW846-8270C
Hexachloro-1-propene	U	0.01	mg/L	0.01	SW846-8270C
Hexachlorobenzene	U	0.01	mg/L	0.01	SW846-8270C
Hexachlorobutadiene	U	0.01	mg/L	0.01	SW846-8270C
Hexachlorocyclopentadiene	U	0.01	mg/L	0.01	SW846-8270C
Hexachloroethane	U	0.01	mg/L	0.01	SW846-8270C
Indeno(1,2,3-cd)pyrene	U	0.01	mg/L	0.01	SW846-8270C
Isodrin	U	0.01	mg/L	0.01	SW846-8270C
Isodrin	U	0.0001	mg/L	0.0001	SW846-8081A
Isophorone	U	0.01	mg/L	0.01	SW846-8270C
Isosafrole	U	0.01	mg/L	0.01	SW846-8270C
Methapyrilene	U	0.01	mg/L	0.01	SW846-8270C
Methyl methanesulfonate	U	0.01	mg/L	0.01	SW846-8270C
Naphthalene	U	0.01	mg/L	0.01	SW846-8270C
Nitrobenzene	U	0.01	mg/L	0.01	SW846-8270C
N-Nitrosodiethylamine	U	0.01	mg/L	0.01	SW846-8270C
N-Nitrosodimethylamine	U	0.01	mg/L	0.01	SW846-8270C
N-Nitroso-di-n-butylamine	U	0.01	mg/L	0.01	SW846-8270C
N-Nitroso-di-n-propylamine	U	0.01	mg/L	0.01	SW846-8270C
N-Nitrosodiphenylamine	U	0.01	mg/L	0.01	SW846-8270C
N-Nitrosomethylethylamine	U	0.01	mg/L	0.01	SW846-8270C
N-Nitrosopiperidine	U	0.05	mg/L	0.05	SW846-8270C
N-Nitrosopyrrolidine	U	0.01	mg/L	0.01	SW846-8270C
O,O,O-Triethylphosphorothioate	U	0.0005	mg/L	0.0005	SW846-8141
o-Toluidine	U	0.01	mg/L	0.01	SW846-8270C
p-Dimethylaminoazobenzene	U	0.01	mg/L	0.01	SW846-8270C
Pentachlorobenzene	U	0.01	mg/L	0.01	SW846-8270C
Pentachloroethane	U	0.01	mg/L	0.01	SW846-8270C
Pentachloronitrobenzene	U	0.05	mg/L	0.05	SW846-8270C
Pentachlorophenol	U	0.025	mg/L	0.025	SW846-8270C
Phenacetin	U	0.01	mg/L	0.01	SW846-8270C
Phenanthrene	U	0.01	mg/L	0.01	SW846-8270C
Phenol	U	0.01	mg/L	0.01	SW846-8270C
p-Phenylenediamine	U	0.01	mg/L	0.01	SW846-8270C
Pronamide	U	0.01	mg/L	0.01	SW846-8270C
Pyrene	U	0.01	mg/L	0.01	SW846-8270C
<b>VOA</b>					
2-Naphthalenamine	U	0.01	mg/L	0.01	SW846-8270C
Ethanol	U	5	mg/L	5	SW846-8015B
<b>WETCHEM</b>					
Bicarbonate as CaCO3	B	158	mg/L	10	SM-2320 B 17
Chemical Oxygen Demand (COD)	U	35	mg/L	35	EPA-410.4 1978
Cyanide	UX	0.02	mg/L	0.02	SW846-9010-A
Iodide	U	2	mg/L	2	EPA-345.1 1974
Sulfide	U	1	mg/L	1	EPA-376.1
Total Organic Carbon (TOC)		6.9	mg/L	1	SW846-9060
Total Organic Halides (TOX)	B	0.124	mg/L	0.05	SW846-9020B
Turbidity		70	NTU	0.5	EPA-180.1 1978

MW390

SG02-06

C-746-S&T MW Abandonment and Replacement - Event 2 SG02-06

MW390SG602RE

Collected: 9/30/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.74	Inches/Hg			
Conductivity		1354	umho/cm			
Depth to Water		35.7	ft			
Dissolved Oxygen		0.82	mg/L			
pH		6.35	Std Unit			
Temperature		64.2	deg F			
<b>SVOA</b>						
1,3-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260B
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260B
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260B
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260B
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260B
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260B
1,1-Dichloropropene	U	0.01	mg/L		0.01	SW846-8260B
1,2,3-Trichloropropane	U	0.01	mg/L		0.01	SW846-8260B
1,2-Dibromo-3-chloropropane	U	0.02	mg/L		0.02	SW846-8260B
1,2-Dibromoethane	U	0.02	mg/L		0.02	SW846-8260B
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260B
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260B
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260B
1,2-Dimethylbenzene	U	0.005	mg/L		0.005	SW846-8260B
1,3-Dichloropropane	U	0.01	mg/L		0.01	SW846-8260B
1,3-Dimethylbenzene	U	0.005	mg/L		0.005	SW846-8260B
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260B
2,2-Dichloropropane	U	0.01	mg/L		0.01	SW846-8260B
2-Butanone	U	0.05	mg/L		0.05	SW846-8260B
2-Chloro-1,3-butadiene	U	0.01	mg/L		0.01	SW846-8260B
2-Chloroethyl vinyl ether	U	0.01	mg/L		0.01	SW846-8260B
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260B
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260B
Acetone	U	0.01	mg/L		0.01	SW846-8260B
Acetonitrile	U	0.02	mg/L		0.02	SW846-8260B
Acrolein	U	0.01	mg/L		0.01	SW846-8260B
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260B
Allyl chloride	U	0.02	mg/L		0.02	SW846-8260B
Benzene	U	0.005	mg/L		0.005	SW846-8260B
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260B
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260B
Bromoform	U	0.005	mg/L		0.005	SW846-8260B
Bromomethane	U	0.01	mg/L		0.01	SW846-8260B
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260B
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260B
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260B
Chloroethane	U	0.01	mg/L		0.01	SW846-8260B
Chloromethane	U	0.01	mg/L		0.01	SW846-8260B
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260B
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260B
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260B

## MW390

## SG02-06

## C-746-S&amp;T MW Abandonment and Replacement - Event 2 SG02-06

Dibromomethane	U	0.01	mg/L	0.01	SW846-8260B
Dichlorodifluoromethane	U	0.01	mg/L	0.01	SW846-8260B
Ethyl cyanide	U	0.05	mg/L	0.05	SW846-8260B
Ethyl methacrylate	U	0.01	mg/L	0.01	SW846-8260B
Ethylbenzene	U	0.005	mg/L	0.005	SW846-8260B
Iodomethane	U	0.01	mg/L	0.01	SW846-8260B
Isobutanol	U	0.1	mg/L	0.1	SW846-8260B
Methacrylonitrile	U	0.02	mg/L	0.02	SW846-8260B
Methyl methacrylate	U	0.01	mg/L	0.01	SW846-8260B
Methylene chloride	JB	0.003	mg/L	0.005	SW846-8260B
Styrene	U	0.005	mg/L	0.005	SW846-8260B
Tetrachloroethene	U	0.005	mg/L	0.005	SW846-8260B
Toluene	U	0.005	mg/L	0.005	SW846-8260B
Total Xylene	U	0.005	mg/L	0.005	SW846-8260B
trans-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260B
trans-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260B
Trans-1,4-Dichloro-2-butene	U	0.02	mg/L	0.02	SW846-8260B
Trichloroethene	U	0.005	mg/L	0.005	SW846-8260B
Trichlorofluoromethane	U	0.005	mg/L	0.005	SW846-8260B
Vinyl acetate	U	0.01	mg/L	0.01	SW846-8260B

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MW391

SG02-06

C-746-S&T MW Abandonment and Replacement - Event 2 SG02-06

MW391SG6-02

Collected: 9/16/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	JU	1	mg/L		1	SW846-9056
Chloride		41.1	mg/L		2	SW846-9056
Fluoride	U	1	mg/L		1	SW846-9056
Sulfate	J	9.4	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.68	Inches/Hg			
Conductivity		338	umho/cm			
Depth to Water		41.14	ft			
Dissolved Oxygen		4.2	mg/L			
pH		5.8	Std Unit			
Redox		245	mV			
Temperature		61.9	deg F			
<b>HERB</b>						
2,4,5-T	U	0.0005	mg/L		0.0005	SW846-8151A
2,4-D	U	0.001	mg/L		0.001	SW846-8151A
Dinoseb	U	0.05	mg/L		0.05	SW846-8270C
Silvex	U	0.0005	mg/L		0.0005	SW846-8151A
<b>METAL</b>						
Aluminum		1.54	mg/L		0.2	SW846-6010A
Barium		0.246	mg/L		0.025	SW846-6010A
Beryllium	U	0.005	mg/L		0.005	SW846-6010A
Boron	U	2	mg/L		2	SW846-6010A
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Calcium	N	24.8	mg/L		2	SW846-6010A
Chromium	U	0.025	mg/L		0.025	SW846-6010A
Cobalt	U	0.025	mg/L		0.025	SW846-6010A
Copper	U	0.05	mg/L		0.05	SW846-6010A
Iron		9.23	mg/L		0.2	SW846-6010A
Magnesium		9.92	mg/L		0.025	SW846-6010A
Manganese		0.169	mg/L		0.025	SW846-6010A
Mercury	UW	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	U	0.025	mg/L		0.025	SW846-6010A
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Potassium	U	2	mg/L		2	SW846-6010A
Rhodium	UX	0.2	mg/L		0.2	SW846-6010A
Selenium	UW	0.01	mg/L		0.01	SW846-7740
Silver	U	0.025	mg/L		0.025	SW846-6010A
Sodium	N	32	mg/L		2	SW846-6010A
Tantalum	U	0.2	mg/L		0.2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Tin	NU	1	mg/L		1	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.025	mg/L		0.025	SW846-6010A
Zinc	U	0.1	mg/L		0.1	SW846-6010A
<b>METAL-D</b>						
Barium, Dissolved		0.218	mg/L		0.025	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids	J	212	mg/L		100	EPA-160.2
<b>PPCB</b>						

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## SG02-06

## C-746-S&amp;T MW Abandonment and Replacement - Event 2 SG02-06

4,4'-DDD	U	0.0001	mg/L	0.0001	SW846-8081A
4,4'-DDE	U	0.0001	mg/L	0.0001	SW846-8081A
4,4'-DDT	U	0.0001	mg/L	0.0001	SW846-8081A
Aldrin	U	0.00005	mg/L	5E-05	SW846-8081A
alpha-BHC	U	0.00005	mg/L	5E-05	SW846-8081A
alpha-Chlordane	U	0.00005	mg/L	5E-05	SW846-8081A
beta-BHC	U	0.00005	mg/L	5E-05	SW846-8081A
delta-BHC	U	0.00005	mg/L	5E-05	SW846-8081A
Dieldrin	U	0.0001	mg/L	0.0001	SW846-8081A
Disulfoton	U	0.0005	mg/L	0.0005	SW846-8141
Endosulfan I	U	0.00005	mg/L	5E-05	SW846-8081A
Endosulfan II	U	0.0001	mg/L	0.0001	SW846-8081A
Endosulfan sulfate	U	0.0001	mg/L	0.0001	SW846-8081A
Endrin	U	0.0001	mg/L	0.0001	SW846-8081A
Endrin aldehyde	U	0.0001	mg/L	0.0001	SW846-8081A
Famphur	U	0.0012	mg/L	0.0012	SW846-8141
gamma-Chlordane	U	0.00005	mg/L	5E-05	SW846-8081A
Heptachlor	U	0.00005	mg/L	5E-05	SW846-8081A
Heptachlor epoxide	U	0.00005	mg/L	5E-05	SW846-8081A
Kepone	U	0.0005	mg/L	0.0005	SW846-8081A
Lindane	U	0.00005	mg/L	5E-05	SW846-8081A
Methoxychlor	U	0.0005	mg/L	0.0005	SW846-8081A
Methyl parathion	U	0.0005	mg/L	0.0005	SW846-8141
Parathion	U	0.0005	mg/L	0.0005	SW846-8141
PCB-1016	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1221	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1232	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1242	U	0.00013	mg/L	0.0001	SW846-8082
PCB-1248	U	0.00015	mg/L	0.0002	SW846-8082
PCB-1254	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1260	U	0.00009	mg/L	9E-05	SW846-8082
PCB-1268	U	0.0001	mg/L	0.0001	SW846-8082
Phorate	U	0.0005	mg/L	0.0005	SW846-8141
Polychlorinated biphenyl	U	0.00017	mg/L	0.0002	SW846-8082
Sulfotepp	U	0.0005	mg/L	0.0005	SW846-8141
Thionazin	U	0.0005	mg/L	0.0005	SW846-8141
Toxaphene	U	0.005	mg/L	0.005	SW846-8081A

## RADS

Alpha activity	U	0.613	pCi/L	0.34	8.66	EPA-900.0
Beta activity	U	3.28	pCi/L	0.684	5.62	EPA-900.0
Strontium-90	U	-7.04	pCi/L	1.87	17.5	RL-7145
Technetium-99	U	7.89	pCi/L	12.8	18.6	RL-7100
Tritium	U	-148	pCi/L	157	266	704R5

## SVOA

1,2,4,5-Tetrachlorobenzene	U	0.01	mg/L	0.01	SW846-8270C
1,2,4-Trichlorobenzene	U	0.01	mg/L	0.01	SW846-8270C
1,3,5-Trinitrobenzene	U	0.01	mg/L	0.01	SW846-8270C
1,3-Dinitrobenzene	U	0.01	mg/L	0.01	SW846-8270C
1,4-Dioxane	U	0.01	mg/L	0.01	SW846-8270C
1,4-Naphthoquinone	U	0.01	mg/L	0.01	SW846-8270C
1-Naphthalenamine	U	0.01	mg/L	0.01	SW846-8270C
2,3,4,6-Tetrachlorophenol	U	0.01	mg/L	0.01	SW846-8270C
2,4,5-Trichlorophenol	U	0.025	mg/L	0.025	SW846-8270C
2,4,6-Trichlorophenol	U	0.01	mg/L	0.01	SW846-8270C
2,4-Dichlorophenol	U	0.01	mg/L	0.01	SW846-8270C



## MW391

## SG02-06

## C-746-S&amp;T MW Abandonment and Replacement - Event 2 SG02-06

2,4-Dimethylphenol	U	0.01	mg/L	0.01	SW846-8270C
2,4-Dinitrophenol	U	0.025	mg/L	0.025	SW846-8270C
2,4-Dinitrotoluene	U	0.01	mg/L	0.01	SW846-8270C
2,6-Dichlorophenol	U	0.01	mg/L	0.01	SW846-8270C
2,6-Dinitrotoluene	U	0.01	mg/L	0.01	SW846-8270C
2-Acetylaminofluorene	U	0.01	mg/L	0.01	SW846-8270C
2-Chloronaphthalene	U	0.01	mg/L	0.01	SW846-8270C
2-Chlorophenol	U	0.01	mg/L	0.01	SW846-8270C
2-Methyl-4,6-dinitrophenol	U	0.025	mg/L	0.025	SW846-8270C
2-Methylnaphthalene	U	0.01	mg/L	0.01	SW846-8270C
2-Methylphenol	U	0.01	mg/L	0.01	SW846-8270C
2-Nitrobenzenamine	U	0.025	mg/L	0.025	SW846-8270C
2-Nitrophenol	U	0.01	mg/L	0.01	SW846-8270C
3,3'-Dichlorobenzidine	U	0.01	mg/L	0.01	SW846-8270C
3,3'-Dimethylbenzidine	U	0.01	mg/L	0.01	SW846-8270C
3-Methylcholanthrene	U	0.01	mg/L	0.01	SW846-8270C
3-Methylphenol	U	0.01	mg/L	0.01	SW846-8270C
3-Nitrobenzenamine	U	0.025	mg/L	0.025	SW846-8270C
4-Aminobiphenyl	U	0.01	mg/L	0.01	SW846-8270C
4-Bromophenyl phenyl ether	U	0.01	mg/L	0.01	SW846-8270C
4-Chloro-3-methylphenol	U	0.01	mg/L	0.01	SW846-8270C
4-Chlorobenzenamine	U	0.01	mg/L	0.01	SW846-8270C
4-Chlorophenyl phenyl ether	U	0.01	mg/L	0.01	SW846-8270C
4-Nitrobenzenamine	U	0.025	mg/L	0.025	SW846-8270C
4-Nitrophenol	U	0.025	mg/L	0.025	SW846-8270C
5-(2-Propenyl)-1,3-benzodioxole (Safr	U	0.01	mg/L	0.01	SW846-8270C
5-Nitro-o-toluidine	U	0.01	mg/L	0.01	SW846-8270C
7,12-Dimethylbenz(a)anthracene	U	0.01	mg/L	0.01	SW846-8270C
Acenaphthene	U	0.01	mg/L	0.01	SW846-8270C
Acenaphthylene	U	0.01	mg/L	0.01	SW846-8270C
Acetophenone	U	0.01	mg/L	0.01	SW846-8270C
Anthracene	U	0.01	mg/L	0.01	SW846-8270C
Benz(a)anthracene	U	0.01	mg/L	0.01	SW846-8270C
Benzenemethanol	U	0.01	mg/L	0.01	SW846-8270C
Benzo(a)pyrene	U	0.01	mg/L	0.01	SW846-8270C
Benzo(b)fluoranthene	U	0.01	mg/L	0.01	SW846-8270C
Benzo(ghi)perylene	U	0.01	mg/L	0.01	SW846-8270C
Benzo(k)fluoranthene	U	0.01	mg/L	0.01	SW846-8270C
Bis(2-chloroethoxy)methane	U	0.01	mg/L	0.01	SW846-8270C
Bis(2-chloroethyl) ether	U	0.01	mg/L	0.01	SW846-8270C
Bis(2-chloroisopropyl) ether	U	0.01	mg/L	0.01	SW846-8270C
Bis(2-ethylhexyl)phthalate	JB	0.001	mg/L	0.01	SW846-8270C
Butyl benzyl phthalate	U	0.01	mg/L	0.01	SW846-8270C
Chlorobenzilate	U	0.01	mg/L	0.01	SW846-8270C
Chrysene	U	0.01	mg/L	0.01	SW846-8270C
Diallate	U	0.01	mg/L	0.01	SW846-8270C
Dibenz(a,h)anthracene	U	0.01	mg/L	0.01	SW846-8270C
Dibenzofuran	U	0.01	mg/L	0.01	SW846-8270C
Diethyl phthalate	U	0.01	mg/L	0.01	SW846-8270C
Dimethoate	U	0.0005	mg/L	0.0005	SW846-8141
Dimethyl phthalate	U	0.01	mg/L	0.01	SW846-8270C
Di-n-butyl phthalate	JB	0.002	mg/L	0.01	SW846-8270C
Di-n-octylphthalate	U	0.01	mg/L	0.01	SW846-8270C
Ethyl methanesulfonate	U	0.01	mg/L	0.01	SW846-8270C
Fluoranthene	U	0.01	mg/L	0.01	SW846-8270C

**MW391****SG02-06****C-746-S&T MW Abandonment and Replacement - Event 2 SG02-06**

Fluorene	U	0.01	mg/L	0.01	SW846-8270C
Hexachloro-1-propene	U	0.01	mg/L	0.01	SW846-8270C
Hexachlorobenzene	U	0.01	mg/L	0.01	SW846-8270C
Hexachlorobutadiene	U	0.01	mg/L	0.01	SW846-8270C
Hexachlorocyclopentadiene	U	0.01	mg/L	0.01	SW846-8270C
Hexachloroethane	U	0.01	mg/L	0.01	SW846-8270C
Indeno(1,2,3-cd)pyrene	U	0.01	mg/L	0.01	SW846-8270C
Isodrin	U	0.01	mg/L	0.01	SW846-8270C
Isodrin	U	0.0001	mg/L	0.0001	SW846-8081A
Isophorone	U	0.01	mg/L	0.01	SW846-8270C
Isosafrole	U	0.01	mg/L	0.01	SW846-8270C
Methapyrilene	U	0.01	mg/L	0.01	SW846-8270C
Methyl methanesulfonate	U	0.01	mg/L	0.01	SW846-8270C
Naphthalene	U	0.01	mg/L	0.01	SW846-8270C
Nitrobenzene	U	0.01	mg/L	0.01	SW846-8270C
N-Nitrosodiethylamine	U	0.01	mg/L	0.01	SW846-8270C
N-Nitrosodimethylamine	U	0.01	mg/L	0.01	SW846-8270C
N-Nitroso-di-n-butylamine	U	0.01	mg/L	0.01	SW846-8270C
N-Nitroso-di-n-propylamine	U	0.01	mg/L	0.01	SW846-8270C
N-Nitrosodiphenylamine	U	0.01	mg/L	0.01	SW846-8270C
N-Nitrosomethylethylamine	U	0.01	mg/L	0.01	SW846-8270C
N-Nitrosopiperidine	U	0.05	mg/L	0.05	SW846-8270C
N-Nitrosopyrrolidine	U	0.01	mg/L	0.01	SW846-8270C
O,O,O-Triethylphosphorothioate	U	0.0005	mg/L	0.0005	SW846-8141
o-Toluidine	U	0.01	mg/L	0.01	SW846-8270C
p-Dimethylaminoazobenzene	U	0.01	mg/L	0.01	SW846-8270C
Pentachlorobenzene	U	0.01	mg/L	0.01	SW846-8270C
Pentachloroethane	U	0.01	mg/L	0.01	SW846-8270C
Pentachloronitrobenzene	U	0.05	mg/L	0.05	SW846-8270C
Pentachlorophenol	U	0.025	mg/L	0.025	SW846-8270C
Phenacetin	U	0.01	mg/L	0.01	SW846-8270C
Phenanthrene	U	0.01	mg/L	0.01	SW846-8270C
Phenol	U	0.01	mg/L	0.01	SW846-8270C
p-Phenylenediamine	U	0.01	mg/L	0.01	SW846-8270C
Pronamide	U	0.01	mg/L	0.01	SW846-8270C
Pyrene	U	0.01	mg/L	0.01	SW846-8270C
<b>VOA</b>					
2-Naphthalenamine	U	0.01	mg/L	0.01	SW846-8270C
Ethanol	U	5	mg/L	5	SW846-8015B
<b>WETCHEM</b>					
Bicarbonate as CaCO3		95	mg/L	10	SM-2320 B 17
Chemical Oxygen Demand (COD)	U	35	mg/L	35	EPA-410.4 1978
Cyanide	UX	0.02	mg/L	0.02	SW846-9010-A
Iodide	U	2	mg/L	2	EPA-345.1 1974
Sulfide	UX	4	mg/L	4	EPA-376.1
Total Organic Carbon (TOC)	UX	1	mg/L	1	SW846-9060
Total Organic Halides (TOX)	BU	0.05	mg/L	0.05	SW846-9020B
Turbidity		33	NTU	0.5	EPA-180.1 1978

MW391

SG02-06

C-746-S&amp;T MW Abandonment and Replacement - Event 2 SG02-06

MW391SG602RE

Collected: 9/30/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.74	Inches/Hg			
Conductivity		346	umho/cm			
Depth to Water		41.94	ft			
Dissolved Oxygen		4.2	mg/L			
pH		6.1	Std Unit			
Redox		160	mV			
Temperature		65.5	deg F			
<b>SVOA</b>						
1,3-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260B
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260B
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260B
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260B
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260B
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260B
1,1-Dichloropropene	U	0.01	mg/L		0.01	SW846-8260B
1,2,3-Trichloropropane	U	0.01	mg/L		0.01	SW846-8260B
1,2-Dibromo-3-chloropropane	U	0.02	mg/L		0.02	SW846-8260B
1,2-Dibromoethane	U	0.02	mg/L		0.02	SW846-8260B
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260B
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260B
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260B
1,2-Dimethylbenzene	U	0.005	mg/L		0.005	SW846-8260B
1,3-Dichloropropane	U	0.01	mg/L		0.01	SW846-8260B
1,3-Dimethylbenzene	U	0.005	mg/L		0.005	SW846-8260B
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260B
2,2-Dichloropropane	U	0.01	mg/L		0.01	SW846-8260B
2-Butanone	U	0.05	mg/L		0.05	SW846-8260B
2-Chloro-1,3-butadiene	U	0.01	mg/L		0.01	SW846-8260B
2-Chloroethyl vinyl ether	U	0.01	mg/L		0.01	SW846-8260B
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260B
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260B
Acetone	U	0.01	mg/L		0.01	SW846-8260B
Acetonitrile	U	0.02	mg/L		0.02	SW846-8260B
Acrolein	U	0.01	mg/L		0.01	SW846-8260B
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260B
Allyl chloride	U	0.02	mg/L		0.02	SW846-8260B
Benzene	U	0.005	mg/L		0.005	SW846-8260B
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260B
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260B
Bromoform	U	0.005	mg/L		0.005	SW846-8260B
Bromomethane	U	0.01	mg/L		0.01	SW846-8260B
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260B
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260B
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260B
Chloroethane	U	0.01	mg/L		0.01	SW846-8260B
Chloromethane	U	0.01	mg/L		0.01	SW846-8260B
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260B
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260B

## MW391

## SG02-06

## C-746-S&amp;T MW Abandonment and Replacement - Event 2 SG02-06

Dibromochloromethane	U	0.005 mg/L	0.005	SW846-8260B
Dibromomethane	U	0.01 mg/L	0.01	SW846-8260B
Dichlorodifluoromethane	U	0.01 mg/L	0.01	SW846-8260B
Ethyl cyanide	U	0.05 mg/L	0.05	SW846-8260B
Ethyl methacrylate	U	0.01 mg/L	0.01	SW846-8260B
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260B
Iodomethane	U	0.01 mg/L	0.01	SW846-8260B
Isobutanol	U	0.1 mg/L	0.1	SW846-8260B
Methacrylonitrile	U	0.02 mg/L	0.02	SW846-8260B
Methyl methacrylate	U	0.01 mg/L	0.01	SW846-8260B
Methylene chloride	JB	0.002 mg/L	0.005	SW846-8260B
Styrene	U	0.005 mg/L	0.005	SW846-8260B
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260B
Toluene	U	0.005 mg/L	0.005	SW846-8260B
Total Xylene	U	0.005 mg/L	0.005	SW846-8260B
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260B
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260B
Trans-1,4-Dichloro-2-butene	U	0.02 mg/L	0.02	SW846-8260B
Trichloroethene		0.011 mg/L	0.005	SW846-8260B
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260B
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260B

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# Paducah-OREIS Data Report

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12/18/2007

**MW392**

**SG02-06**

## C-746-S&T MW Abandonment and Replacement - Event 2 SG02-06

**MW392SG6-02**

Collected: 9/17/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		42.8	mg/L		2	SW846-9056
Fluoride	U	1	mg/L		1	SW846-9056
Sulfate	U	5	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.62	Inches/Hg			
Conductivity		482	umho/cm			
Depth to Water		40.22	ft			
Dissolved Oxygen		0.77	mg/L			
pH		6.3	Std Unit			
Temperature		63.1	deg F			
<b>HERB</b>						
2,4,5-T	U	0.0005	mg/L		0.0005	SW846-8151A
2,4-D	U	0.001	mg/L		0.001	SW846-8151A
Dinoseb	U	0.05	mg/L		0.05	SW846-8270C
Silvex	U	0.0005	mg/L		0.0005	SW846-8151A
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium		0.347	mg/L		0.025	SW846-6010A
Beryllium	U	0.005	mg/L		0.005	SW846-6010A
Boron	U	2	mg/L		2	SW846-6010A
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Calcium	N	27.5	mg/L		2	SW846-6010A
Chromium	U	0.025	mg/L		0.025	SW846-6010A
Cobalt	U	0.025	mg/L		0.025	SW846-6010A
Copper	U	0.05	mg/L		0.05	SW846-6010A
Iron		9.8	mg/L		0.2	SW846-6010A
Magnesium		9.64	mg/L		0.025	SW846-6010A
Manganese		2.49	mg/L		0.025	SW846-6010A
Mercury	BUW	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	U	0.025	mg/L		0.025	SW846-6010A
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Potassium		2.01	mg/L		2	SW846-6010A
Rhodium	UX	0.2	mg/L		0.2	SW846-6010A
Selenium	UW	0.01	mg/L		0.01	SW846-7740
Silver	U	0.025	mg/L		0.025	SW846-6010A
Sodium	N	63.1	mg/L		2	SW846-6010A
Tantalum	U	0.2	mg/L		0.2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Tin	NU	1	mg/L		1	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.025	mg/L		0.025	SW846-6010A
Zinc	U	0.1	mg/L		0.1	SW846-6010A
<b>METAL-D</b>						
Barium, Dissolved		0.32	mg/L		0.025	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		309	mg/L		100	EPA-160.2
<b>PCCB</b>						
4,4'-DDD	U	0.0001	mg/L		0.0001	SW846-8081A

## MW392

## SG02-06

## C-746-S&amp;T MW Abandonment and Replacement - Event 2 SG02-06

4,4'-DDE	U	0.0001	mg/L	0.0001	SW846-8081A
4,4'-DDT	U	0.0001	mg/L	0.0001	SW846-8081A
Aldrin	U	0.00005	mg/L	5E-05	SW846-8081A
alpha-BHC	U	0.00005	mg/L	5E-05	SW846-8081A
alpha-Chlordane	U	0.00005	mg/L	5E-05	SW846-8081A
beta-BHC	U	0.00005	mg/L	5E-05	SW846-8081A
delta-BHC	U	0.00005	mg/L	5E-05	SW846-8081A
Dieldrin	U	0.0001	mg/L	0.0001	SW846-8081A
Disulfoton	U	0.0005	mg/L	0.0005	SW846-8141
Endosulfan I	U	0.00005	mg/L	5E-05	SW846-8081A
Endosulfan II	U	0.0001	mg/L	0.0001	SW846-8081A
Endosulfan sulfate	U	0.0001	mg/L	0.0001	SW846-8081A
Endrin	U	0.0001	mg/L	0.0001	SW846-8081A
Endrin aldehyde	U	0.0001	mg/L	0.0001	SW846-8081A
Famphur	U	0.0012	mg/L	0.0012	SW846-8141
gamma-Chlordane	U	0.00005	mg/L	5E-05	SW846-8081A
Heptachlor	U	0.00005	mg/L	5E-05	SW846-8081A
Heptachlor epoxide	U	0.00005	mg/L	5E-05	SW846-8081A
Kepone	U	0.0005	mg/L	0.0005	SW846-8081A
Lindane	U	0.00005	mg/L	5E-05	SW846-8081A
Methoxychlor	U	0.0005	mg/L	0.0005	SW846-8081A
Methyl parathion	U	0.0005	mg/L	0.0005	SW846-8141
Parathion	U	0.0005	mg/L	0.0005	SW846-8141
PCB-1016	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1221	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1232	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1242	U	0.00013	mg/L	0.0001	SW846-8082
PCB-1248	U	0.00015	mg/L	0.0002	SW846-8082
PCB-1254	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1260	U	0.00009	mg/L	9E-05	SW846-8082
PCB-1268	U	0.0001	mg/L	0.0001	SW846-8082
Phorate	U	0.0005	mg/L	0.0005	SW846-8141
Polychlorinated biphenyl	U	0.00017	mg/L	0.0002	SW846-8082
Sulfotepp	U	0.0005	mg/L	0.0005	SW846-8141
Thionazin	U	0.0005	mg/L	0.0005	SW846-8141
Toxaphene	U	0.005	mg/L	0.005	SW846-8081A

**RADS**

Alpha activity	U	-1.87	pCi/L	1.25	11.8	EPA-900.0
Beta activity	U	4.54	pCi/L	0.917	6.23	EPA-900.0
Strontium-90	U	-9.32	pCi/L	2.69	17.5	RL-7145
Technetium-99	U	6.45	pCi/L	12.8	18.6	RL-7100
Tritium	U	-61.1	pCi/L	158	266	704R5

**SVOA**

1,2,4,5-Tetrachlorobenzene	U	0.01	mg/L	0.01	SW846-8270C
1,2,4-Trichlorobenzene	U	0.01	mg/L	0.01	SW846-8270C
1,3,5-Trinitrobenzene	U	0.01	mg/L	0.01	SW846-8270C
1,3-Dinitrobenzene	U	0.01	mg/L	0.01	SW846-8270C
1,4-Dioxane	U	0.01	mg/L	0.01	SW846-8270C
1,4-Naphthoquinone	U	0.01	mg/L	0.01	SW846-8270C
1-Naphthalenamine	U	0.01	mg/L	0.01	SW846-8270C
2,3,4,6-Tetrachlorophenol	U	0.01	mg/L	0.01	SW846-8270C
2,4,5-Trichlorophenol	U	0.025	mg/L	0.025	SW846-8270C
2,4,6-Trichlorophenol	U	0.01	mg/L	0.01	SW846-8270C
2,4-Dichlorophenol	U	0.01	mg/L	0.01	SW846-8270C
2,4-Dimethylphenol	U	0.01	mg/L	0.01	SW846-8270C

## MW392

## SG02-06

## C-746-S&amp;T MW Abandonment and Replacement - Event 2 SG02-06

2,4-Dinitrophenol	U	0.025	mg/L	0.025	SW846-8270C
2,4-Dinitrotoluene	U	0.01	mg/L	0.01	SW846-8270C
2,6-Dichlorophenol	U	0.01	mg/L	0.01	SW846-8270C
2,6-Dinitrotoluene	U	0.01	mg/L	0.01	SW846-8270C
2-Acetylaminofluorene	U	0.01	mg/L	0.01	SW846-8270C
2-Chloronaphthalene	U	0.01	mg/L	0.01	SW846-8270C
2-Chlorophenol	U	0.01	mg/L	0.01	SW846-8270C
2-Methyl-4,6-dinitrophenol	U	0.025	mg/L	0.025	SW846-8270C
2-Methylnaphthalene	U	0.01	mg/L	0.01	SW846-8270C
2-Methylphenol	U	0.01	mg/L	0.01	SW846-8270C
2-Nitrobenzenamine	U	0.025	mg/L	0.025	SW846-8270C
2-Nitrophenol	U	0.01	mg/L	0.01	SW846-8270C
3,3'-Dichlorobenzidine	U	0.01	mg/L	0.01	SW846-8270C
3,3'-Dimethylbenzidine	U	0.01	mg/L	0.01	SW846-8270C
3-Methylcholanthrene	U	0.01	mg/L	0.01	SW846-8270C
3-Methylphenol		0.074	mg/L	0.01	SW846-8270C
3-Nitrobenzenamine	U	0.025	mg/L	0.025	SW846-8270C
4-Aminobiphenyl	U	0.01	mg/L	0.01	SW846-8270C
4-Bromophenyl phenyl ether	U	0.01	mg/L	0.01	SW846-8270C
4-Chloro-3-methylphenol	U	0.01	mg/L	0.01	SW846-8270C
4-Chlorobenzenamine	U	0.01	mg/L	0.01	SW846-8270C
4-Chlorophenyl phenyl ether	U	0.01	mg/L	0.01	SW846-8270C
4-Nitrobenzenamine	U	0.025	mg/L	0.025	SW846-8270C
4-Nitrophenol	U	0.025	mg/L	0.025	SW846-8270C
5-(2-Propenyl)-1,3-benzodioxole (Safr	U	0.01	mg/L	0.01	SW846-8270C
5-Nitro-o-toluidine	U	0.01	mg/L	0.01	SW846-8270C
7,12-Dimethylbenz(a)anthracene	U	0.01	mg/L	0.01	SW846-8270C
Acenaphthene	U	0.01	mg/L	0.01	SW846-8270C
Acenaphthylene	U	0.01	mg/L	0.01	SW846-8270C
Acetophenone	U	0.01	mg/L	0.01	SW846-8270C
Anthracene	U	0.01	mg/L	0.01	SW846-8270C
Benz(a)anthracene	U	0.01	mg/L	0.01	SW846-8270C
Benzenemethanol	U	0.01	mg/L	0.01	SW846-8270C
Benzo(a)pyrene	U	0.01	mg/L	0.01	SW846-8270C
Benzo(b)fluoranthene	U	0.01	mg/L	0.01	SW846-8270C
Benzo(ghi)perylene	U	0.01	mg/L	0.01	SW846-8270C
Benzo(k)fluoranthene	U	0.01	mg/L	0.01	SW846-8270C
Bis(2-chloroethoxy)methane	U	0.01	mg/L	0.01	SW846-8270C
Bis(2-chloroethyl) ether	U	0.01	mg/L	0.01	SW846-8270C
Bis(2-chloroisopropyl) ether	U	0.01	mg/L	0.01	SW846-8270C
Bis(2-ethylhexyl)phthalate	JB	0.003	mg/L	0.01	SW846-8270C
Butyl benzyl phthalate	U	0.01	mg/L	0.01	SW846-8270C
Chlorobenzilate	U	0.01	mg/L	0.01	SW846-8270C
Chrysene	U	0.01	mg/L	0.01	SW846-8270C
Diallate	U	0.01	mg/L	0.01	SW846-8270C
Dibenz(a,h)anthracene	U	0.01	mg/L	0.01	SW846-8270C
Dibenzofuran	U	0.01	mg/L	0.01	SW846-8270C
Diethyl phthalate	U	0.01	mg/L	0.01	SW846-8270C
Dimethoate	U	0.0005	mg/L	0.0005	SW846-8141
Dimethyl phthalate	U	0.01	mg/L	0.01	SW846-8270C
Di-n-butyl phthalate	JB	0.002	mg/L	0.01	SW846-8270C
Di-n-octylphthalate	U	0.01	mg/L	0.01	SW846-8270C
Ethyl methanesulfonate	U	0.01	mg/L	0.01	SW846-8270C
Fluoranthene	U	0.01	mg/L	0.01	SW846-8270C
Fluorene	U	0.01	mg/L	0.01	SW846-8270C

**MW392****SG02-06****C-746-S&T MW Abandonment and Replacement - Event 2 SG02-06**

Hexachloro-1-propene	U	0.01	mg/L	0.01	SW846-8270C
Hexachlorobenzene	U	0.01	mg/L	0.01	SW846-8270C
Hexachlorobutadiene	U	0.01	mg/L	0.01	SW846-8270C
Hexachlorocyclopentadiene	U	0.01	mg/L	0.01	SW846-8270C
Hexachloroethane	U	0.01	mg/L	0.01	SW846-8270C
Indeno(1,2,3-cd)pyrene	U	0.01	mg/L	0.01	SW846-8270C
Isodrin	U	0.0001	mg/L	0.0001	SW846-8081A
Isodrin	U	0.01	mg/L	0.01	SW846-8270C
Isophorone	U	0.01	mg/L	0.01	SW846-8270C
Isosafrole	U	0.01	mg/L	0.01	SW846-8270C
Methapyrilene	U	0.01	mg/L	0.01	SW846-8270C
Methyl methanesulfonate	U	0.01	mg/L	0.01	SW846-8270C
Naphthalene	U	0.01	mg/L	0.01	SW846-8270C
Nitrobenzene	U	0.01	mg/L	0.01	SW846-8270C
N-Nitrosodiethylamine	U	0.01	mg/L	0.01	SW846-8270C
N-Nitrosodimethylamine	U	0.01	mg/L	0.01	SW846-8270C
N-Nitroso-di-n-butylamine	U	0.01	mg/L	0.01	SW846-8270C
N-Nitroso-di-n-propylamine	U	0.01	mg/L	0.01	SW846-8270C
N-Nitrosodiphenylamine	U	0.01	mg/L	0.01	SW846-8270C
N-Nitrosomethylethylamine	U	0.01	mg/L	0.01	SW846-8270C
N-Nitrosopiperidine	U	0.05	mg/L	0.05	SW846-8270C
N-Nitrosopyrrolidine	U	0.01	mg/L	0.01	SW846-8270C
O,O,O-Triethylphosphorothioate	U	0.0005	mg/L	0.0005	SW846-8141
o-Toluidine	U	0.01	mg/L	0.01	SW846-8270C
p-Dimethylaminoazobenzene	U	0.01	mg/L	0.01	SW846-8270C
Pentachlorobenzene	U	0.01	mg/L	0.01	SW846-8270C
Pentachloroethane	U	0.01	mg/L	0.01	SW846-8270C
Pentachloronitrobenzene	U	0.05	mg/L	0.05	SW846-8270C
Pentachlorophenol	U	0.025	mg/L	0.025	SW846-8270C
Phenacetin	U	0.01	mg/L	0.01	SW846-8270C
Phenanthrene	U	0.01	mg/L	0.01	SW846-8270C
Phenol	U	0.01	mg/L	0.01	SW846-8270C
p-Phenylenediamine	U	0.01	mg/L	0.01	SW846-8270C
Pronamide	U	0.01	mg/L	0.01	SW846-8270C
Pyrene	U	0.01	mg/L	0.01	SW846-8270C
<b>VOA</b>					
2-Naphthalenamine	U	0.01	mg/L	0.01	SW846-8270C
Ethanol	U	5	mg/L	5	SW846-8015B
<b>WETCHEM</b>					
Bicarbonate as CaCO3	B	175	mg/L	10	SM-2320 B 17
Chemical Oxygen Demand (COD)		36	mg/L	35	EPA-410.4 1978
Cyanide	UX	0.02	mg/L	0.02	SW846-9010-A
Iodide	U	2	mg/L	2	EPA-345.1 1974
Sulfide	U	1	mg/L	1	EPA-376.1
Total Organic Carbon (TOC)		17.7	mg/L	1	SW846-9060
Total Organic Halides (TOX)	B	0.205	mg/L	0.05	SW846-9020B
Turbidity		50	NTU	0.5	EPA-180.1 1978



MW392

SG02-06

C-746-S&T MW Abandonment and Replacement - Event 2 SG02-06

MW392SG602RE

Collected: 9/30/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.74	Inches/Hg			
Conductivity		492	umho/cm			
Depth to Water		41.06	ft			
Dissolved Oxygen		1.74	mg/L			
pH		6.51	Std Unit			
Temperature		64.5	deg F			
<b>SVOA</b>						
1,3-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260B
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260B
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260B
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260B
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260B
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260B
1,1-Dichloropropene	U	0.01	mg/L		0.01	SW846-8260B
1,2,3-Trichloropropane	U	0.01	mg/L		0.01	SW846-8260B
1,2-Dibromo-3-chloropropane	U	0.02	mg/L		0.02	SW846-8260B
1,2-Dibromoethane	U	0.02	mg/L		0.02	SW846-8260B
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260B
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260B
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260B
1,2-Dimethylbenzene	U	0.005	mg/L		0.005	SW846-8260B
1,3-Dichloropropane	U	0.01	mg/L		0.01	SW846-8260B
1,3-Dimethylbenzene	J	0.002	mg/L		0.005	SW846-8260B
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260B
2,2-Dichloropropane	U	0.01	mg/L		0.01	SW846-8260B
2-Butanone	U	0.05	mg/L		0.05	SW846-8260B
2-Chloro-1,3-butadiene	U	0.01	mg/L		0.01	SW846-8260B
2-Chloroethyl vinyl ether	U	0.01	mg/L		0.01	SW846-8260B
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260B
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260B
Acetone	B	0.038	mg/L		0.01	SW846-8260B
Acetonitrile	U	0.02	mg/L		0.02	SW846-8260B
Acrolein	U	0.01	mg/L		0.01	SW846-8260B
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260B
Allyl chloride	U	0.02	mg/L		0.02	SW846-8260B
Benzene	U	0.005	mg/L		0.005	SW846-8260B
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260B
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260B
Bromoform	U	0.005	mg/L		0.005	SW846-8260B
Bromomethane	U	0.01	mg/L		0.01	SW846-8260B
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260B
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260B
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260B
Chloroethane	U	0.01	mg/L		0.01	SW846-8260B
Chloromethane	U	0.01	mg/L		0.01	SW846-8260B
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260B
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260B
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260B

## MW392

## SG02-06

## C-746-S&amp;T MW Abandonment and Replacement - Event 2 SG02-06

Dibromomethane	U	0.01 mg/L	0.01	SW846-8260B
Dichlorodifluoromethane	U	0.01 mg/L	0.01	SW846-8260B
Ethyl cyanide	U	0.05 mg/L	0.05	SW846-8260B
Ethyl methacrylate	U	0.01 mg/L	0.01	SW846-8260B
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260B
Iodomethane	U	0.01 mg/L	0.01	SW846-8260B
Isobutanol	U	0.1 mg/L	0.1	SW846-8260B
Methacrylonitrile	U	0.02 mg/L	0.02	SW846-8260B
Methyl methacrylate	U	0.01 mg/L	0.01	SW846-8260B
Methylene chloride	JB	0.004 mg/L	0.005	SW846-8260B
Styrene	U	0.005 mg/L	0.005	SW846-8260B
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260B
Toluene	U	0.005 mg/L	0.005	SW846-8260B
Total Xylene	J	0.002 mg/L	0.005	SW846-8260B
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260B
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260B
Trans-1,4-Dichloro-2-butene	U	0.02 mg/L	0.02	SW846-8260B
Trichloroethene		0.009 mg/L	0.005	SW846-8260B
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260B
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260B

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12/18/2007

MW393

SG02-06

C-746-S&T MW Abandonment and Replacement - Event 2 SG02-06

MW393SG6-02

Collected: 9/16/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	JU	1	mg/L		1	SW846-9056
Chloride		24.6	mg/L		2	SW846-9056
Fluoride		0.13	mg/L		0.1	SW846-9056
Sulfate	JU	5	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.68	Inches/Hg			
Conductivity		803	umho/cm			
Depth to Water		25.54	ft			
Dissolved Oxygen		0.67	mg/L			
pH		6.22	Std Unit			
Temperature		63.9	deg F			
<b>HERB</b>						
2,4,5-T	U	0.0005	mg/L		0.0005	SW846-8151A
2,4-D	U	0.001	mg/L		0.001	SW846-8151A
Dinoseb	U	0.25	mg/L		0.25	SW846-8270C
Silvex	U	0.0005	mg/L		0.0005	SW846-8151A
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Arsenic	W	0.007	mg/L		0.005	SW846-7060
Barium		0.036	mg/L		0.025	SW846-6010A
Beryllium	U	0.005	mg/L		0.005	SW846-6010A
Boron	U	2	mg/L		2	SW846-6010A
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Calcium	N	24.3	mg/L		2	SW846-6010A
Chromium	U	0.025	mg/L		0.025	SW846-6010A
Cobalt	U	0.025	mg/L		0.025	SW846-6010A
Copper	U	0.05	mg/L		0.05	SW846-6010A
Iron		2.31	mg/L		0.2	SW846-6010A
Magnesium		6.73	mg/L		0.025	SW846-6010A
Manganese		0.131	mg/L		0.025	SW846-6010A
Mercury	BUW	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	U	0.025	mg/L		0.025	SW846-6010A
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Potassium	U	2	mg/L		2	SW846-6010A
Rhodium	UX	0.2	mg/L		0.2	SW846-6010A
Selenium	UW	0.01	mg/L		0.01	SW846-7740
Silver	U	0.025	mg/L		0.025	SW846-6010A
Sodium	N	176	mg/L		2	SW846-6010A
Tantalum	U	0.2	mg/L		0.2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Tin	NU	1	mg/L		1	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.025	mg/L		0.025	SW846-6010A
Zinc	U	0.1	mg/L		0.1	SW846-6010A
<b>METAL-D</b>						
Arsenic, Dissolved	N	0.006	mg/L		0.005	SW846-7060
Barium, Dissolved		0.03	mg/L		0.025	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids	J	681	mg/L		100	EPA-160.2

**MW393**

**SG02-06**

**C-746-S&T MW Abandonment and Replacement - Event 2 SG02-06**

**PPCB**

4,4'-DDD	U	0.0001	mg/L	0.0001	SW846-8081A
4,4'-DDE	U	0.0001	mg/L	0.0001	SW846-8081A
4,4'-DDT	U	0.0001	mg/L	0.0001	SW846-8081A
Aldrin	U	0.00005	mg/L	5E-05	SW846-8081A
alpha-BHC	U	0.00005	mg/L	5E-05	SW846-8081A
alpha-Chlordane	U	0.00005	mg/L	5E-05	SW846-8081A
beta-BHC	U	0.00005	mg/L	5E-05	SW846-8081A
delta-BHC	U	0.00005	mg/L	5E-05	SW846-8081A
Dieldrin	U	0.0001	mg/L	0.0001	SW846-8081A
Disulfoton	U	0.0005	mg/L	0.0005	SW846-8141
Endosulfan I	U	0.00005	mg/L	5E-05	SW846-8081A
Endosulfan II	U	0.0001	mg/L	0.0001	SW846-8081A
Endosulfan sulfate	U	0.0001	mg/L	0.0001	SW846-8081A
Endrin	U	0.0001	mg/L	0.0001	SW846-8081A
Endrin aldehyde	U	0.0001	mg/L	0.0001	SW846-8081A
Famphur	U	0.0012	mg/L	0.0012	SW846-8141
gamma-Chlordane	U	0.00005	mg/L	5E-05	SW846-8081A
Heptachlor	U	0.00005	mg/L	5E-05	SW846-8081A
Heptachlor epoxide	U	0.00005	mg/L	5E-05	SW846-8081A
Kepone	U	0.0005	mg/L	0.0005	SW846-8081A
Lindane	U	0.00005	mg/L	5E-05	SW846-8081A
Methoxychlor	U	0.0005	mg/L	0.0005	SW846-8081A
Methyl parathion	U	0.0005	mg/L	0.0005	SW846-8141
Parathion	U	0.0005	mg/L	0.0005	SW846-8141
PCB-1016	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1221	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1232	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1242	U	0.00013	mg/L	0.0001	SW846-8082
PCB-1248	U	0.00015	mg/L	0.0002	SW846-8082
PCB-1254	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1260	U	0.00009	mg/L	9E-05	SW846-8082
PCB-1268	U	0.0001	mg/L	0.0001	SW846-8082
Phorate	U	0.0005	mg/L	0.0005	SW846-8141
Polychlorinated biphenyl	JU	0.00017	mg/L	0.0002	SW846-8082
Sulfotepp	U	0.0005	mg/L	0.0005	SW846-8141
Thionazin	U	0.0005	mg/L	0.0005	SW846-8141
Toxaphene	U	0.005	mg/L	0.005	SW846-8081A

**RADS**

Alpha activity	U	1.88	pCi/L	1.04	16.6	EPA-900.0
Beta activity	U	-0.354	pCi/L	0.087	7.27	EPA-900.0
Strontium-90	U	0.298	pCi/L	0.0661	17.5	RL-7145
Technetium-99	U	3.07	pCi/L	12.6	18.6	RL-7100
Tritium	U	21.8	pCi/L	160	266	704R5

**SVOA**

1,2,4,5-Tetrachlorobenzene	U	0.05	mg/L	0.05	SW846-8270C
1,2,4-Trichlorobenzene	U	0.05	mg/L	0.05	SW846-8270C
1,3,5-Trinitrobenzene	U	0.05	mg/L	0.05	SW846-8270C
1,3-Dinitrobenzene	U	0.05	mg/L	0.05	SW846-8270C
1,4-Dioxane	U	0.05	mg/L	0.05	SW846-8270C
1,4-Naphthoquinone	U	0.05	mg/L	0.05	SW846-8270C
1-Naphthalenamine	U	0.05	mg/L	0.05	SW846-8270C
2,3,4,6-Tetrachlorophenol	U	0.05	mg/L	0.05	SW846-8270C
2,4,5-Trichlorophenol	U	0.12	mg/L	0.12	SW846-8270C
2,4,6-Trichlorophenol	U	0.05	mg/L	0.05	SW846-8270C

## MW393

## SG02-06

## C-746-S&amp;T MW Abandonment and Replacement - Event 2 SG02-06

2,4-Dichlorophenol	U	0.05	mg/L	0.05	SW846-8270C
2,4-Dimethylphenol	U	0.05	mg/L	0.05	SW846-8270C
2,4-Dinitrophenol	U	0.12	mg/L	0.12	SW846-8270C
2,4-Dinitrotoluene	U	0.05	mg/L	0.05	SW846-8270C
2,6-Dichlorophenol	U	0.05	mg/L	0.05	SW846-8270C
2,6-Dinitrotoluene	U	0.05	mg/L	0.05	SW846-8270C
2-Acetylaminofluorene	U	0.05	mg/L	0.05	SW846-8270C
2-Chloronaphthalene	U	0.05	mg/L	0.05	SW846-8270C
2-Chlorophenol	U	0.05	mg/L	0.05	SW846-8270C
2-Methyl-4,6-dinitrophenol	U	0.12	mg/L	0.12	SW846-8270C
2-Methylnaphthalene	U	0.05	mg/L	0.05	SW846-8270C
2-Methylphenol	U	0.05	mg/L	0.05	SW846-8270C
2-Nitrobenzenamine	U	0.12	mg/L	0.12	SW846-8270C
2-Nitrophenol	U	0.05	mg/L	0.05	SW846-8270C
3,3'-Dichlorobenzidine	U	0.05	mg/L	0.05	SW846-8270C
3,3'-Dimethylbenzidine	U	0.05	mg/L	0.05	SW846-8270C
3-Methylcholanthrene	U	0.05	mg/L	0.05	SW846-8270C
3-Methylphenol		0.27	mg/L	0.05	SW846-8270C
3-Nitrobenzenamine	U	0.12	mg/L	0.12	SW846-8270C
4-Aminobiphenyl	U	0.05	mg/L	0.05	SW846-8270C
4-Bromophenyl phenyl ether	U	0.05	mg/L	0.05	SW846-8270C
4-Chloro-3-methylphenol	U	0.05	mg/L	0.05	SW846-8270C
4-Chlorobenzenamine	U	0.05	mg/L	0.05	SW846-8270C
4-Chlorophenyl phenyl ether	U	0.05	mg/L	0.05	SW846-8270C
4-Nitrobenzenamine	U	0.12	mg/L	0.12	SW846-8270C
4-Nitrophenol	U	0.12	mg/L	0.12	SW846-8270C
5-(2-Propenyl)-1,3-benzodioxole (Safr	U	0.05	mg/L	0.05	SW846-8270C
5-Nitro-o-toluidine	U	0.05	mg/L	0.05	SW846-8270C
7,12-Dimethylbenz(a)anthracene	U	0.05	mg/L	0.05	SW846-8270C
Acenaphthene	U	0.05	mg/L	0.05	SW846-8270C
Acenaphthylene	U	0.05	mg/L	0.05	SW846-8270C
Acetophenone	U	0.05	mg/L	0.05	SW846-8270C
Anthracene	U	0.05	mg/L	0.05	SW846-8270C
Benz(a)anthracene	U	0.05	mg/L	0.05	SW846-8270C
Benzenemethanol	U	0.05	mg/L	0.05	SW846-8270C
Benzo(a)pyrene	U	0.05	mg/L	0.05	SW846-8270C
Benzo(b)fluoranthene	U	0.05	mg/L	0.05	SW846-8270C
Benzo(ghi)perylene	U	0.05	mg/L	0.05	SW846-8270C
Benzo(k)fluoranthene	U	0.05	mg/L	0.05	SW846-8270C
Bis(2-chloroethoxy)methane	U	0.05	mg/L	0.05	SW846-8270C
Bis(2-chloroethyl) ether	U	0.05	mg/L	0.05	SW846-8270C
Bis(2-chloroisopropyl) ether	U	0.05	mg/L	0.05	SW846-8270C
Bis(2-ethylhexyl)phthalate	JB	0.003	mg/L	0.05	SW846-8270C
Butyl benzyl phthalate	U	0.05	mg/L	0.05	SW846-8270C
Chlorobenzilate	U	0.05	mg/L	0.05	SW846-8270C
Chrysene	U	0.05	mg/L	0.05	SW846-8270C
Diallate	U	0.05	mg/L	0.05	SW846-8270C
Dibenz(a,h)anthracene	U	0.05	mg/L	0.05	SW846-8270C
Dibenzofuran	U	0.05	mg/L	0.05	SW846-8270C
Diethyl phthalate	U	0.05	mg/L	0.05	SW846-8270C
Dimethoate	U	0.0005	mg/L	0.0005	SW846-8141
Dimethyl phthalate	U	0.05	mg/L	0.05	SW846-8270C
Di-n-butyl phthalate	U	0.05	mg/L	0.05	SW846-8270C
Ethyl methanesulfonate	U	0.05	mg/L	0.05	SW846-8270C
Fluoranthene	U	0.05	mg/L	0.05	SW846-8270C

**MW393****SG02-06****C-746-S&T MW Abandonment and Replacement - Event 2 SG02-06**

Fluorene	U	0.05	mg/L	0.05	SW846-8270C
Hexachloro-1-propene	U	0.05	mg/L	0.05	SW846-8270C
Hexachlorobenzene	U	0.05	mg/L	0.05	SW846-8270C
Hexachlorobutadiene	U	0.05	mg/L	0.05	SW846-8270C
Hexachlorocyclopentadiene	U	0.05	mg/L	0.05	SW846-8270C
Hexachloroethane	U	0.05	mg/L	0.05	SW846-8270C
Indeno(1,2,3-cd)pyrene	U	0.05	mg/L	0.05	SW846-8270C
Isodrin	U	0.05	mg/L	0.05	SW846-8270C
Isodrin	U	0.0001	mg/L	0.0001	SW846-8081A
Isophorone	U	0.05	mg/L	0.05	SW846-8270C
Isosafrole	U	0.05	mg/L	0.05	SW846-8270C
Methapyrilene	U	0.05	mg/L	0.05	SW846-8270C
Methyl methanesulfonate	U	0.05	mg/L	0.05	SW846-8270C
Nitrobenzene	U	0.05	mg/L	0.05	SW846-8270C
N-Nitrosodiethylamine	U	0.05	mg/L	0.05	SW846-8270C
N-Nitrosodimethylamine	U	0.05	mg/L	0.05	SW846-8270C
N-Nitroso-di-n-butylamine	U	0.05	mg/L	0.05	SW846-8270C
N-Nitroso-di-n-propylamine	U	0.05	mg/L	0.05	SW846-8270C
N-Nitrosodiphenylamine	U	0.05	mg/L	0.05	SW846-8270C
N-Nitrosomethylethylamine	U	0.05	mg/L	0.05	SW846-8270C
N-Nitrosopiperidine	U	0.25	mg/L	0.25	SW846-8270C
N-Nitrosopyrrolidine	U	0.05	mg/L	0.05	SW846-8270C
O,O,O-Triethylphosphorothioate	U	0.0005	mg/L	0.0005	SW846-8141
o-Toluidine	U	0.05	mg/L	0.05	SW846-8270C
p-Dimethylaminoazobenzene	U	0.05	mg/L	0.05	SW846-8270C
Pentachlorobenzene	U	0.05	mg/L	0.05	SW846-8270C
Pentachloroethane	U	0.05	mg/L	0.05	SW846-8270C
Pentachloronitrobenzene	U	0.25	mg/L	0.25	SW846-8270C
Pentachlorophenol	U	0.12	mg/L	0.12	SW846-8270C
Phenacetin	U	0.05	mg/L	0.05	SW846-8270C
Phenanthrene	U	0.05	mg/L	0.05	SW846-8270C
Phenol	J	0.003	mg/L	0.05	SW846-8270C
p-Phenylenediamine	U	0.05	mg/L	0.05	SW846-8270C
Pronamide	U	0.05	mg/L	0.05	SW846-8270C
Pyrene	U	0.05	mg/L	0.05	SW846-8270C
<b>VOA</b>					
2-Naphthalenamine	U	0.05	mg/L	0.05	SW846-8270C
Ethanol	U	5	mg/L	5	SW846-8015B
<b>WETCHEM</b>					
Bicarbonate as CaCO3		349	mg/L	10	SM-2320 B 17
Chemical Oxygen Demand (COD)		208	mg/L	35	EPA-410.4 1978
Cyanide	UX	0.02	mg/L	0.02	SW846-9010-A
Iodide	U	2	mg/L	2	EPA-345.1 1974
Sulfide		4	mg/L	4	EPA-376.1
Total Organic Carbon (TOC)	X	89	mg/L	1	SW846-9060
Total Organic Halides (TOX)	B	0.962	mg/L	0.05	SW846-9020B
Turbidity		75	NTU	0.5	EPA-180.1 1978

**MW393**

**SG02-06**

**C-746-S&T MW Abandonment and Replacement - Event 2 SG02-06**

**MW393SG602RE**

Collected: 9/30/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.74	Inches/Hg			
Conductivity		814	umho/cm			
Depth to Water		25.95	ft			
Dissolved Oxygen		1.69	mg/L			
pH		6.41	Std Unit			
Temperature		64.6	deg F			
<b>SVOA</b>						
1,3-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260B
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260B
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260B
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260B
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260B
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260B
1,1-Dichloropropene	U	0.01	mg/L		0.01	SW846-8260B
1,2,3-Trichloropropane	U	0.01	mg/L		0.01	SW846-8260B
1,2-Dibromo-3-chloropropane	U	0.02	mg/L		0.02	SW846-8260B
1,2-Dibromoethane	U	0.02	mg/L		0.02	SW846-8260B
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260B
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260B
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260B
1,2-Dimethylbenzene	U	0.005	mg/L		0.005	SW846-8260B
1,3-Dichloropropane	U	0.01	mg/L		0.01	SW846-8260B
1,3-Dimethylbenzene		0.008	mg/L		0.005	SW846-8260B
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260B
2,2-Dichloropropane	U	0.01	mg/L		0.01	SW846-8260B
2-Butanone	JB	0.007	mg/L		0.05	SW846-8260B
2-Chloro-1,3-butadiene	U	0.01	mg/L		0.01	SW846-8260B
2-Chloroethyl vinyl ether	U	0.01	mg/L		0.01	SW846-8260B
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260B
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260B
Acetone	EB	0.21	mg/L		0.01	SW846-8260B
Acetonitrile	U	0.02	mg/L		0.02	SW846-8260B
Acrolein	U	0.01	mg/L		0.01	SW846-8260B
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260B
Allyl chloride	U	0.02	mg/L		0.02	SW846-8260B
Benzene	U	0.005	mg/L		0.005	SW846-8260B
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260B
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260B
Bromoform	U	0.005	mg/L		0.005	SW846-8260B
Bromomethane	U	0.01	mg/L		0.01	SW846-8260B
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260B
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260B
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260B
Chloroethane	U	0.01	mg/L		0.01	SW846-8260B
Chloromethane	U	0.01	mg/L		0.01	SW846-8260B
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260B
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260B
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260B

**MW393****SG02-06****C-746-S&T MW Abandonment and Replacement - Event 2 SG02-06**

Dibromomethane	U	0.01 mg/L	0.01	SW846-8260B
Dichlorodifluoromethane	U	0.01 mg/L	0.01	SW846-8260B
Ethyl cyanide	U	0.05 mg/L	0.05	SW846-8260B
Ethyl methacrylate	U	0.01 mg/L	0.01	SW846-8260B
Ethylbenzene	J	0.002 mg/L	0.005	SW846-8260B
Iodomethane	U	0.01 mg/L	0.01	SW846-8260B
Isobutanol	U	0.1 mg/L	0.1	SW846-8260B
Methacrylonitrile	U	0.02 mg/L	0.02	SW846-8260B
Methyl methacrylate	U	0.01 mg/L	0.01	SW846-8260B
Methylene chloride	JB	0.003 mg/L	0.005	SW846-8260B
Styrene	U	0.005 mg/L	0.005	SW846-8260B
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260B
Toluene	U	0.005 mg/L	0.005	SW846-8260B
Total Xylene		0.008 mg/L	0.005	SW846-8260B
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260B
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260B
Trans-1,4-Dichloro-2-butene	U	0.02 mg/L	0.02	SW846-8260B
Trichloroethene	U	0.005 mg/L	0.005	SW846-8260B
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260B
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260B

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**MW394**

**SG02-06**

## C-746-S&T MW Abandonment and Replacement - Event 2 SG02-06

**MW394SG6-02**

Collected: 9/16/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	JU	1	mg/L		1	SW846-9056
Chloride		60.3	mg/L		2	SW846-9056
Fluoride	U	1	mg/L		1	SW846-9056
Sulfate	J	8.3	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.68	Inches/Hg			
Conductivity		418	umho/cm			
Depth to Water		52.52	ft			
Dissolved Oxygen		3.85	mg/L			
pH		5.9	Std Unit			
Redox		240	mV			
Temperature		62	deg F			
<b>HERB</b>						
2,4,5-T	U	0.0005	mg/L		0.0005	SW846-8151A
2,4-D	U	0.001	mg/L		0.001	SW846-8151A
Dinoseb	U	0.05	mg/L		0.05	SW846-8270C
Silvex	U	0.0005	mg/L		0.0005	SW846-8151A
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium		0.245	mg/L		0.025	SW846-6010A
Beryllium	U	0.005	mg/L		0.005	SW846-6010A
Boron	U	2	mg/L		2	SW846-6010A
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Calcium	N	29.9	mg/L		2	SW846-6010A
Chromium	U	0.025	mg/L		0.025	SW846-6010A
Cobalt	U	0.025	mg/L		0.025	SW846-6010A
Copper	U	0.05	mg/L		0.05	SW846-6010A
Iron		0.328	mg/L		0.2	SW846-6010A
Magnesium		12.1	mg/L		0.025	SW846-6010A
Manganese		0.155	mg/L		0.025	SW846-6010A
Mercury	UW	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	U	0.025	mg/L		0.025	SW846-6010A
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Potassium	U	2	mg/L		2	SW846-6010A
Rhodium	UX	0.2	mg/L		0.2	SW846-6010A
Selenium	UW	0.01	mg/L		0.01	SW846-7740
Silver	U	0.025	mg/L		0.025	SW846-6010A
Sodium	N	29.9	mg/L		2	SW846-6010A
Tantalum	U	0.2	mg/L		0.2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Tin	NU	1	mg/L		1	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.025	mg/L		0.025	SW846-6010A
Zinc	U	0.1	mg/L		0.1	SW846-6010A
<b>METAL-D</b>						
Barium, Dissolved		0.245	mg/L		0.025	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids	J	259	mg/L		100	EPA-160.2
<b>PPCB</b>						

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## SG02-06

## C-746-S&amp;T MW Abandonment and Replacement - Event 2 SG02-06

4,4'-DDD	U	0.0001	mg/L	0.0001	SW846-8081A
4,4'-DDE	U	0.0001	mg/L	0.0001	SW846-8081A
4,4'-DDT	U	0.0001	mg/L	0.0001	SW846-8081A
Aldrin	U	0.00005	mg/L	5E-05	SW846-8081A
alpha-BHC	U	0.00005	mg/L	5E-05	SW846-8081A
alpha-Chlordane	U	0.00005	mg/L	5E-05	SW846-8081A
beta-BHC	U	0.00005	mg/L	5E-05	SW846-8081A
delta-BHC	U	0.00005	mg/L	5E-05	SW846-8081A
Dieldrin	U	0.0001	mg/L	0.0001	SW846-8081A
Disulfoton	U	0.0005	mg/L	0.0005	SW846-8141
Endosulfan I	U	0.00005	mg/L	5E-05	SW846-8081A
Endosulfan II	U	0.0001	mg/L	0.0001	SW846-8081A
Endosulfan sulfate	U	0.0001	mg/L	0.0001	SW846-8081A
Endrin	U	0.0001	mg/L	0.0001	SW846-8081A
Endrin aldehyde	U	0.0001	mg/L	0.0001	SW846-8081A
Famphur	U	0.0012	mg/L	0.0012	SW846-8141
gamma-Chlordane	U	0.00005	mg/L	5E-05	SW846-8081A
Heptachlor	U	0.00005	mg/L	5E-05	SW846-8081A
Heptachlor epoxide	U	0.00005	mg/L	5E-05	SW846-8081A
Kepone	U	0.0005	mg/L	0.0005	SW846-8081A
Lindane	U	0.00005	mg/L	5E-05	SW846-8081A
Methoxychlor	U	0.0005	mg/L	0.0005	SW846-8081A
Methyl parathion	U	0.0005	mg/L	0.0005	SW846-8141
Parathion	U	0.0005	mg/L	0.0005	SW846-8141
PCB-1016	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1221	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1232	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1242	U	0.00013	mg/L	0.0001	SW846-8082
PCB-1248	U	0.00015	mg/L	0.0002	SW846-8082
PCB-1254	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1260	U	0.00009	mg/L	9E-05	SW846-8082
PCB-1268	U	0.0001	mg/L	0.0001	SW846-8082
Phorate	U	0.0005	mg/L	0.0005	SW846-8141
Polychlorinated biphenyl	U	0.00017	mg/L	0.0002	SW846-8082
Sulfotepp	U	0.0005	mg/L	0.0005	SW846-8141
Thionazin	U	0.0005	mg/L	0.0005	SW846-8141
Toxaphene	U	0.005	mg/L	0.005	SW846-8081A

## RADS

Alpha activity	U	2.44	pCi/L	1.18	9.2	EPA-900.0
Beta activity	U	5.57	pCi/L	1.07	5.73	EPA-900.0
Strontium-90	U	-6.51	pCi/L	1.69	17.5	RL-7145
Technetium-99	U	5.45	pCi/L	12.7	18.6	RL-7100
Tritium	U	-15.3	pCi/L	159	266	704R5

## SVOA

1,2,4,5-Tetrachlorobenzene	U	0.01	mg/L	0.01	SW846-8270C
1,2,4-Trichlorobenzene	U	0.01	mg/L	0.01	SW846-8270C
1,3,5-Trinitrobenzene	U	0.01	mg/L	0.01	SW846-8270C
1,3-Dinitrobenzene	U	0.01	mg/L	0.01	SW846-8270C
1,4-Dioxane	U	0.01	mg/L	0.01	SW846-8270C
1,4-Naphthoquinone	U	0.01	mg/L	0.01	SW846-8270C
1-Naphthalenamine	U	0.01	mg/L	0.01	SW846-8270C
2,3,4,6-Tetrachlorophenol	U	0.01	mg/L	0.01	SW846-8270C
2,4,5-Trichlorophenol	U	0.025	mg/L	0.025	SW846-8270C
2,4,6-Trichlorophenol	U	0.01	mg/L	0.01	SW846-8270C
2,4-Dichlorophenol	U	0.01	mg/L	0.01	SW846-8270C

## MW394

## SG02-06

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2,4-Dimethylphenol	U	0.01	mg/L	0.01	SW846-8270C
2,4-Dinitrophenol	U	0.025	mg/L	0.025	SW846-8270C
2,4-Dinitrotoluene	U	0.01	mg/L	0.01	SW846-8270C
2,6-Dichlorophenol	U	0.01	mg/L	0.01	SW846-8270C
2,6-Dinitrotoluene	U	0.01	mg/L	0.01	SW846-8270C
2-Acetylaminofluorene	U	0.01	mg/L	0.01	SW846-8270C
2-Chloronaphthalene	U	0.01	mg/L	0.01	SW846-8270C
2-Chlorophenol	U	0.01	mg/L	0.01	SW846-8270C
2-Methyl-4,6-dinitrophenol	U	0.025	mg/L	0.025	SW846-8270C
2-Methylnaphthalene	U	0.01	mg/L	0.01	SW846-8270C
2-Methylphenol	U	0.01	mg/L	0.01	SW846-8270C
2-Nitrobenzenamine	U	0.025	mg/L	0.025	SW846-8270C
2-Nitrophenol	U	0.01	mg/L	0.01	SW846-8270C
3,3'-Dichlorobenzidine	U	0.01	mg/L	0.01	SW846-8270C
3,3'-Dimethylbenzidine	U	0.01	mg/L	0.01	SW846-8270C
3-Methylcholanthrene	U	0.01	mg/L	0.01	SW846-8270C
3-Methylphenol	U	0.01	mg/L	0.01	SW846-8270C
3-Nitrobenzenamine	U	0.025	mg/L	0.025	SW846-8270C
4-Aminobiphenyl	U	0.01	mg/L	0.01	SW846-8270C
4-Bromophenyl phenyl ether	U	0.01	mg/L	0.01	SW846-8270C
4-Chloro-3-methylphenol	U	0.01	mg/L	0.01	SW846-8270C
4-Chlorobenzenamine	U	0.01	mg/L	0.01	SW846-8270C
4-Chlorophenyl phenyl ether	U	0.01	mg/L	0.01	SW846-8270C
4-Nitrobenzenamine	U	0.025	mg/L	0.025	SW846-8270C
4-Nitrophenol	U	0.025	mg/L	0.025	SW846-8270C
5-(2-Propenyl)-1,3-benzodioxole (Safr	U	0.01	mg/L	0.01	SW846-8270C
5-Nitro-o-toluidine	U	0.01	mg/L	0.01	SW846-8270C
7,12-Dimethylbenz(a)anthracene	U	0.01	mg/L	0.01	SW846-8270C
Acenaphthene	U	0.01	mg/L	0.01	SW846-8270C
Acenaphthylene	U	0.01	mg/L	0.01	SW846-8270C
Acetophenone	U	0.01	mg/L	0.01	SW846-8270C
Anthracene	U	0.01	mg/L	0.01	SW846-8270C
Benz(a)anthracene	U	0.01	mg/L	0.01	SW846-8270C
Benzenemethanol	U	0.01	mg/L	0.01	SW846-8270C
Benzo(a)pyrene	U	0.01	mg/L	0.01	SW846-8270C
Benzo(b)fluoranthene	U	0.01	mg/L	0.01	SW846-8270C
Benzo(ghi)perylene	U	0.01	mg/L	0.01	SW846-8270C
Benzo(k)fluoranthene	U	0.01	mg/L	0.01	SW846-8270C
Bis(2-chloroethoxy)methane	U	0.01	mg/L	0.01	SW846-8270C
Bis(2-chloroethyl) ether	U	0.01	mg/L	0.01	SW846-8270C
Bis(2-chloroisopropyl) ether	U	0.01	mg/L	0.01	SW846-8270C
Bis(2-ethylhexyl)phthalate	JB	0.002	mg/L	0.01	SW846-8270C
Butyl benzyl phthalate	U	0.01	mg/L	0.01	SW846-8270C
Chlorobenzilate	U	0.01	mg/L	0.01	SW846-8270C
Chrysene	U	0.01	mg/L	0.01	SW846-8270C
Diallate	U	0.01	mg/L	0.01	SW846-8270C
Dibenz(a,h)anthracene	U	0.01	mg/L	0.01	SW846-8270C
Dibenzofuran	U	0.01	mg/L	0.01	SW846-8270C
Diethyl phthalate	U	0.01	mg/L	0.01	SW846-8270C
Dimethoate	U	0.0005	mg/L	0.0005	SW846-8141
Dimethyl phthalate	U	0.01	mg/L	0.01	SW846-8270C
Di-n-butyl phthalate	JB	0.001	mg/L	0.01	SW846-8270C
Di-n-octylphthalate	U	0.01	mg/L	0.01	SW846-8270C
Ethyl methanesulfonate	U	0.01	mg/L	0.01	SW846-8270C
Fluoranthene	U	0.01	mg/L	0.01	SW846-8270C

## MW394

## SG02-06

## C-746-S&amp;T MW Abandonment and Replacement - Event 2 SG02-06

Fluorene	U	0.01 mg/L	0.01	SW846-8270C
Hexachloro-1-propene	U	0.01 mg/L	0.01	SW846-8270C
Hexachlorobenzene	U	0.01 mg/L	0.01	SW846-8270C
Hexachlorobutadiene	U	0.01 mg/L	0.01	SW846-8270C
Hexachlorocyclopentadiene	U	0.01 mg/L	0.01	SW846-8270C
Hexachloroethane	U	0.01 mg/L	0.01	SW846-8270C
Indeno(1,2,3-cd)pyrene	U	0.01 mg/L	0.01	SW846-8270C
Isodrin	U	0.0001 mg/L	0.0001	SW846-8081A
Isodrin	U	0.01 mg/L	0.01	SW846-8270C
Isophorone	U	0.01 mg/L	0.01	SW846-8270C
Isosafrole	U	0.01 mg/L	0.01	SW846-8270C
Methapyrilene	U	0.01 mg/L	0.01	SW846-8270C
Methyl methanesulfonate	U	0.01 mg/L	0.01	SW846-8270C
Naphthalene	U	0.01 mg/L	0.01	SW846-8270C
Nitrobenzene	U	0.01 mg/L	0.01	SW846-8270C
N-Nitrosodiethylamine	U	0.01 mg/L	0.01	SW846-8270C
N-Nitrosodimethylamine	U	0.01 mg/L	0.01	SW846-8270C
N-Nitroso-di-n-butylamine	U	0.01 mg/L	0.01	SW846-8270C
N-Nitroso-di-n-propylamine	U	0.01 mg/L	0.01	SW846-8270C
N-Nitrosodiphenylamine	U	0.01 mg/L	0.01	SW846-8270C
N-Nitrosomethylethylamine	U	0.01 mg/L	0.01	SW846-8270C
N-Nitrosopiperidine	U	0.05 mg/L	0.05	SW846-8270C
N-Nitrosopyrrolidine	U	0.01 mg/L	0.01	SW846-8270C
O,O,O-Triethylphosphorothioate	U	0.0005 mg/L	0.0005	SW846-8141
o-Toluidine	U	0.01 mg/L	0.01	SW846-8270C
p-Dimethylaminoazobenzene	U	0.01 mg/L	0.01	SW846-8270C
Pentachlorobenzene	U	0.01 mg/L	0.01	SW846-8270C
Pentachloroethane	U	0.01 mg/L	0.01	SW846-8270C
Pentachloronitrobenzene	U	0.05 mg/L	0.05	SW846-8270C
Pentachlorophenol	U	0.025 mg/L	0.025	SW846-8270C
Phenacetin	U	0.01 mg/L	0.01	SW846-8270C
Phenanthrene	U	0.01 mg/L	0.01	SW846-8270C
Phenol	U	0.01 mg/L	0.01	SW846-8270C
p-Phenylenediamine	U	0.01 mg/L	0.01	SW846-8270C
Pronamide	U	0.01 mg/L	0.01	SW846-8270C
Pyrene	U	0.01 mg/L	0.01	SW846-8270C
<b>VOA</b>				
2-Naphthalenamine	U	0.01 mg/L	0.01	SW846-8270C
Ethanol	U	5 mg/L	5	SW846-8015B
<b>WETCHEM</b>				
Bicarbonate as CaCO3		97 mg/L	10	SM-2320 B 17
Chemical Oxygen Demand (COD)	U	35 mg/L	35	EPA-410.4 1978
Cyanide	UX	0.02 mg/L	0.02	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Sulfide	UX	4 mg/L	4	EPA-376.1
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	B	0.672 mg/L	0.05	SW846-9020B
Turbidity		15 NTU	0.5	EPA-180.1 1978

MW394

SG02-06

C-746-S&T MW Abandonment and Replacement - Event 2 SG02-06

MW394SG602RE

Collected: 9/30/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.56	Inches/Hg			
Conductivity		393	umho/cm			
Depth to Water		53.13	ft			
Dissolved Oxygen		3.57	mg/L			
pH		5.93	Std Unit			
Redox		100	mV			
Temperature		61.4	deg F			
<b>SVOA</b>						
1,3-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260B
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260B
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260B
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260B
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260B
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260B
1,1-Dichloropropene	U	0.01	mg/L		0.01	SW846-8260B
1,2,3-Trichloropropane	U	0.01	mg/L		0.01	SW846-8260B
1,2-Dibromo-3-chloropropane	U	0.02	mg/L		0.02	SW846-8260B
1,2-Dibromoethane	U	0.02	mg/L		0.02	SW846-8260B
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260B
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260B
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260B
1,2-Dimethylbenzene	U	0.005	mg/L		0.005	SW846-8260B
1,3-Dichloropropane	U	0.01	mg/L		0.01	SW846-8260B
1,3-Dimethylbenzene	U	0.005	mg/L		0.005	SW846-8260B
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260B
2,2-Dichloropropane	U	0.01	mg/L		0.01	SW846-8260B
2-Butanone	U	0.05	mg/L		0.05	SW846-8260B
2-Chloro-1,3-butadiene	U	0.01	mg/L		0.01	SW846-8260B
2-Chloroethyl vinyl ether	U	0.01	mg/L		0.01	SW846-8260B
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260B
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260B
Acetone	U	0.01	mg/L		0.01	SW846-8260B
Acetonitrile	U	0.02	mg/L		0.02	SW846-8260B
Acrolein	U	0.01	mg/L		0.01	SW846-8260B
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260B
Allyl chloride	U	0.02	mg/L		0.02	SW846-8260B
Benzene	U	0.005	mg/L		0.005	SW846-8260B
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260B
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260B
Bromoform	U	0.005	mg/L		0.005	SW846-8260B
Bromomethane	U	0.01	mg/L		0.01	SW846-8260B
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260B
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260B
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260B
Chloroethane	U	0.01	mg/L		0.01	SW846-8260B
Chloromethane	U	0.01	mg/L		0.01	SW846-8260B
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260B
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260B

**MW394****SG02-06****C-746-S&T MW Abandonment and Replacement - Event 2 SG02-06**

Dibromochloromethane	U	0.005 mg/L	0.005	SW846-8260B
Dibromomethane	U	0.01 mg/L	0.01	SW846-8260B
Dichlorodifluoromethane	U	0.01 mg/L	0.01	SW846-8260B
Ethyl cyanide	U	0.05 mg/L	0.05	SW846-8260B
Ethyl methacrylate	U	0.01 mg/L	0.01	SW846-8260B
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260B
Iodomethane	U	0.01 mg/L	0.01	SW846-8260B
Isobutanol	U	0.1 mg/L	0.1	SW846-8260B
Methacrylonitrile	U	0.02 mg/L	0.02	SW846-8260B
Methyl methacrylate	U	0.01 mg/L	0.01	SW846-8260B
Methylene chloride	JB	0.002 mg/L	0.005	SW846-8260B
Styrene	U	0.005 mg/L	0.005	SW846-8260B
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260B
Toluene	U	0.005 mg/L	0.005	SW846-8260B
Total Xylene	U	0.005 mg/L	0.005	SW846-8260B
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260B
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260B
Trans-1,4-Dichloro-2-butene	U	0.02 mg/L	0.02	SW846-8260B
Trichloroethene		0.02 mg/L	0.005	SW846-8260B
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260B
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260B

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**MW395**

**SG02-06**

**C-746-S&T MW Abandonment and Replacement - Event 2 SG02-06**

**MW395SG6-02**

Collected: 9/16/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	JU	1	mg/L		1	SW846-9056
Chloride		64.7	mg/L		2	SW846-9056
Fluoride	U	1	mg/L		1	SW846-9056
Sulfate	J	9.1	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.68	Inches/Hg			
Conductivity		401	umho/cm			
Depth to Water		53.16	ft			
Dissolved Oxygen		3.23	mg/L			
pH		6	Std Unit			
Redox		145	mV			
Temperature		63.7	deg F			
<b>HERB</b>						
2,4,5-T	U	0.0005	mg/L		0.0005	SW846-8151A
2,4-D	U	0.001	mg/L		0.001	SW846-8151A
Dinoseb	U	0.05	mg/L		0.05	SW846-8270C
Silvex	U	0.0005	mg/L		0.0005	SW846-8151A
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium		0.247	mg/L		0.025	SW846-6010A
Beryllium	U	0.005	mg/L		0.005	SW846-6010A
Boron	U	2	mg/L		2	SW846-6010A
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Calcium	N	33	mg/L		2	SW846-6010A
Chromium	U	0.025	mg/L		0.025	SW846-6010A
Cobalt	U	0.025	mg/L		0.025	SW846-6010A
Copper	U	0.05	mg/L		0.05	SW846-6010A
Iron	U	0.2	mg/L		0.2	SW846-6010A
Magnesium		13	mg/L		0.025	SW846-6010A
Manganese		0.028	mg/L		0.025	SW846-6010A
Mercury	BUW	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	U	0.025	mg/L		0.025	SW846-6010A
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Potassium	U	2	mg/L		2	SW846-6010A
Rhodium	UX	0.2	mg/L		0.2	SW846-6010A
Selenium	UW	0.01	mg/L		0.01	SW846-7740
Silver	U	0.025	mg/L		0.025	SW846-6010A
Sodium	N	27.2	mg/L		2	SW846-6010A
Tantalum	U	0.2	mg/L		0.2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Tin	NU	1	mg/L		1	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.025	mg/L		0.025	SW846-6010A
Zinc	U	0.1	mg/L		0.1	SW846-6010A
<b>METAL-D</b>						
Barium, Dissolved		0.242	mg/L		0.025	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids	J	272	mg/L		100	EPA-160.2
<b>PPCB</b>						

## MW395

## SG02-06

## C-746-S&amp;T MW Abandonment and Replacement - Event 2 SG02-06

4,4'-DDD	U	0.0001	mg/L	0.0001	SW846-8081A
4,4'-DDE	U	0.0001	mg/L	0.0001	SW846-8081A
4,4'-DDT	U	0.0001	mg/L	0.0001	SW846-8081A
Aldrin	U	0.00005	mg/L	5E-05	SW846-8081A
alpha-BHC	U	0.00005	mg/L	5E-05	SW846-8081A
alpha-Chlordane	U	0.00005	mg/L	5E-05	SW846-8081A
beta-BHC	U	0.00005	mg/L	5E-05	SW846-8081A
delta-BHC	U	0.00005	mg/L	5E-05	SW846-8081A
Dieldrin	U	0.0001	mg/L	0.0001	SW846-8081A
Disulfoton	U	0.0005	mg/L	0.0005	SW846-8141
Endosulfan I	U	0.00005	mg/L	5E-05	SW846-8081A
Endosulfan II	U	0.0001	mg/L	0.0001	SW846-8081A
Endosulfan sulfate	U	0.0001	mg/L	0.0001	SW846-8081A
Endrin	U	0.0001	mg/L	0.0001	SW846-8081A
Endrin aldehyde	U	0.0001	mg/L	0.0001	SW846-8081A
Famphur	U	0.0012	mg/L	0.0012	SW846-8141
gamma-Chlordane	U	0.00005	mg/L	5E-05	SW846-8081A
Heptachlor	U	0.00005	mg/L	5E-05	SW846-8081A
Heptachlor epoxide	U	0.00005	mg/L	5E-05	SW846-8081A
Kepone	U	0.0005	mg/L	0.0005	SW846-8081A
Lindane	U	0.00005	mg/L	5E-05	SW846-8081A
Methoxychlor	U	0.0005	mg/L	0.0005	SW846-8081A
Methyl parathion	U	0.0005	mg/L	0.0005	SW846-8141
Parathion	U	0.0005	mg/L	0.0005	SW846-8141
PCB-1016	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1221	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1232	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1242	U	0.00013	mg/L	0.0001	SW846-8082
PCB-1248	U	0.00015	mg/L	0.0002	SW846-8082
PCB-1254	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1260	U	0.00009	mg/L	9E-05	SW846-8082
PCB-1268	U	0.0001	mg/L	0.0001	SW846-8082
Phorate	U	0.0005	mg/L	0.0005	SW846-8141
Polychlorinated biphenyl	U	0.00017	mg/L	0.0002	SW846-8082
Sulfotepp	U	0.0005	mg/L	0.0005	SW846-8141
Thionazin	U	0.0005	mg/L	0.0005	SW846-8141
Toxaphene	U	0.005	mg/L	0.005	SW846-8081A

## RADS

Alpha activity	U	1.35	pCi/L	0.699	8.93	EPA-900.0
Beta activity		5.79	pCi/L	1.1	5.67	EPA-900.0
Strontium-90	U	-3.53	pCi/L	0.857	17.5	RL-7145
Technetium-99	U	16.2	pCi/L	13.2	18.6	RL-7100
Tritium	U	-58.9	pCi/L	158	266	704R5

## SVOA

1,2,4,5-Tetrachlorobenzene	U	0.01	mg/L	0.01	SW846-8270C
1,2,4-Trichlorobenzene	U	0.01	mg/L	0.01	SW846-8270C
1,3,5-Trinitrobenzene	U	0.01	mg/L	0.01	SW846-8270C
1,3-Dinitrobenzene	U	0.01	mg/L	0.01	SW846-8270C
1,4-Dioxane	U	0.01	mg/L	0.01	SW846-8270C
1,4-Naphthoquinone	U	0.01	mg/L	0.01	SW846-8270C
1-Naphthalenamine	U	0.01	mg/L	0.01	SW846-8270C
2,3,4,6-Tetrachlorophenol	U	0.01	mg/L	0.01	SW846-8270C
2,4,5-Trichlorophenol	U	0.025	mg/L	0.025	SW846-8270C
2,4,6-Trichlorophenol	U	0.01	mg/L	0.01	SW846-8270C
2,4-Dichlorophenol	U	0.01	mg/L	0.01	SW846-8270C



## MW395

## SG02-06

## C-746-S&amp;T MW Abandonment and Replacement - Event 2 SG02-06

2,4-Dimethylphenol	U	0.01	mg/L	0.01	SW846-8270C
2,4-Dinitrophenol	U	0.025	mg/L	0.025	SW846-8270C
2,4-Dinitrotoluene	U	0.01	mg/L	0.01	SW846-8270C
2,6-Dichlorophenol	U	0.01	mg/L	0.01	SW846-8270C
2,6-Dinitrotoluene	U	0.01	mg/L	0.01	SW846-8270C
2-Acetylaminofluorene	U	0.01	mg/L	0.01	SW846-8270C
2-Chloronaphthalene	U	0.01	mg/L	0.01	SW846-8270C
2-Chlorophenol	U	0.01	mg/L	0.01	SW846-8270C
2-Methyl-4,6-dinitrophenol	U	0.025	mg/L	0.025	SW846-8270C
2-Methylnaphthalene	U	0.01	mg/L	0.01	SW846-8270C
2-Methylphenol	U	0.01	mg/L	0.01	SW846-8270C
2-Nitrobenzenamine	U	0.025	mg/L	0.025	SW846-8270C
2-Nitrophenol	U	0.01	mg/L	0.01	SW846-8270C
3,3'-Dichlorobenzidine	U	0.01	mg/L	0.01	SW846-8270C
3,3'-Dimethylbenzidine	U	0.01	mg/L	0.01	SW846-8270C
3-Methylcholanthrene	U	0.01	mg/L	0.01	SW846-8270C
3-Methylphenol	U	0.01	mg/L	0.01	SW846-8270C
3-Nitrobenzenamine	U	0.025	mg/L	0.025	SW846-8270C
4-Aminobiphenyl	U	0.01	mg/L	0.01	SW846-8270C
4-Bromophenyl phenyl ether	U	0.01	mg/L	0.01	SW846-8270C
4-Chloro-3-methylphenol	U	0.01	mg/L	0.01	SW846-8270C
4-Chlorobenzenamine	U	0.01	mg/L	0.01	SW846-8270C
4-Chlorophenyl phenyl ether	U	0.01	mg/L	0.01	SW846-8270C
4-Nitrobenzenamine	U	0.025	mg/L	0.025	SW846-8270C
4-Nitrophenol	U	0.025	mg/L	0.025	SW846-8270C
5-(2-Propenyl)-1,3-benzodioxole (Safr	U	0.01	mg/L	0.01	SW846-8270C
5-Nitro-o-toluidine	U	0.01	mg/L	0.01	SW846-8270C
7,12-Dimethylbenz(a)anthracene	U	0.01	mg/L	0.01	SW846-8270C
Acenaphthene	U	0.01	mg/L	0.01	SW846-8270C
Acenaphthylene	U	0.01	mg/L	0.01	SW846-8270C
Acetophenone	U	0.01	mg/L	0.01	SW846-8270C
Anthracene	U	0.01	mg/L	0.01	SW846-8270C
Benz(a)anthracene	U	0.01	mg/L	0.01	SW846-8270C
Benzenemethanol	U	0.01	mg/L	0.01	SW846-8270C
Benzo(a)pyrene	U	0.01	mg/L	0.01	SW846-8270C
Benzo(b)fluoranthene	U	0.01	mg/L	0.01	SW846-8270C
Benzo(ghi)perylene	U	0.01	mg/L	0.01	SW846-8270C
Benzo(k)fluoranthene	U	0.01	mg/L	0.01	SW846-8270C
Bis(2-chloroethoxy)methane	U	0.01	mg/L	0.01	SW846-8270C
Bis(2-chloroethyl) ether	U	0.01	mg/L	0.01	SW846-8270C
Bis(2-chloroisopropyl) ether	U	0.01	mg/L	0.01	SW846-8270C
Bis(2-ethylhexyl)phthalate	JB	0.0005	mg/L	0.01	SW846-8270C
Butyl benzyl phthalate	U	0.01	mg/L	0.01	SW846-8270C
Chlorobenzilate	U	0.01	mg/L	0.01	SW846-8270C
Chrysene	U	0.01	mg/L	0.01	SW846-8270C
Diallate	U	0.01	mg/L	0.01	SW846-8270C
Dibenz(a,h)anthracene	U	0.01	mg/L	0.01	SW846-8270C
Dibenzofuran	U	0.01	mg/L	0.01	SW846-8270C
Diethyl phthalate	U	0.01	mg/L	0.01	SW846-8270C
Dimethoate	U	0.0005	mg/L	0.0005	SW846-8141
Dimethyl phthalate	U	0.01	mg/L	0.01	SW846-8270C
Di-n-butyl phthalate	JB	0.001	mg/L	0.01	SW846-8270C
Di-n-octylphthalate	U	0.01	mg/L	0.01	SW846-8270C
Ethyl methanesulfonate	U	0.01	mg/L	0.01	SW846-8270C
Fluoranthene	U	0.01	mg/L	0.01	SW846-8270C

**MW395****SG02-06****C-746-S&T MW Abandonment and Replacement - Event 2 SG02-06**

Fluorene	U	0.01	mg/L	0.01	SW846-8270C
Hexachloro-1-propene	U	0.01	mg/L	0.01	SW846-8270C
Hexachlorobenzene	U	0.01	mg/L	0.01	SW846-8270C
Hexachlorobutadiene	U	0.01	mg/L	0.01	SW846-8270C
Hexachlorocyclopentadiene	U	0.01	mg/L	0.01	SW846-8270C
Hexachloroethane	U	0.01	mg/L	0.01	SW846-8270C
Indeno(1,2,3-cd)pyrene	U	0.01	mg/L	0.01	SW846-8270C
Isodrin	U	0.01	mg/L	0.01	SW846-8270C
Isodrin	U	0.0001	mg/L	0.0001	SW846-8081A
Isophorone	U	0.01	mg/L	0.01	SW846-8270C
Isosafrole	U	0.01	mg/L	0.01	SW846-8270C
Methapyrilene	U	0.01	mg/L	0.01	SW846-8270C
Methyl methanesulfonate	U	0.01	mg/L	0.01	SW846-8270C
Naphthalene	U	0.01	mg/L	0.01	SW846-8270C
Nitrobenzene	U	0.01	mg/L	0.01	SW846-8270C
N-Nitrosodiethylamine	U	0.01	mg/L	0.01	SW846-8270C
N-Nitrosodimethylamine	U	0.01	mg/L	0.01	SW846-8270C
N-Nitroso-di-n-butylamine	U	0.01	mg/L	0.01	SW846-8270C
N-Nitroso-di-n-propylamine	U	0.01	mg/L	0.01	SW846-8270C
N-Nitrosodiphenylamine	U	0.01	mg/L	0.01	SW846-8270C
N-Nitrosomethylethylamine	U	0.01	mg/L	0.01	SW846-8270C
N-Nitrosopiperidine	U	0.05	mg/L	0.05	SW846-8270C
N-Nitrosopyrrolidine	U	0.01	mg/L	0.01	SW846-8270C
O,O,O-Triethylphosphorothioate	U	0.0005	mg/L	0.0005	SW846-8141
o-Toluidine	U	0.01	mg/L	0.01	SW846-8270C
p-Dimethylaminoazobenzene	U	0.01	mg/L	0.01	SW846-8270C
Pentachlorobenzene	U	0.01	mg/L	0.01	SW846-8270C
Pentachloroethane	U	0.01	mg/L	0.01	SW846-8270C
Pentachloronitrobenzene	U	0.05	mg/L	0.05	SW846-8270C
Pentachlorophenol	U	0.025	mg/L	0.025	SW846-8270C
Phenacetin	U	0.01	mg/L	0.01	SW846-8270C
Phenanthrene	U	0.01	mg/L	0.01	SW846-8270C
Phenol	U	0.01	mg/L	0.01	SW846-8270C
p-Phenylenediamine	U	0.01	mg/L	0.01	SW846-8270C
Pronamide	U	0.01	mg/L	0.01	SW846-8270C
Pyrene	U	0.01	mg/L	0.01	SW846-8270C
<b>VOA</b>					
2-Naphthalenamine	U	0.01	mg/L	0.01	SW846-8270C
Ethanol	U	5	mg/L	5	SW846-8015B
<b>WETCHEM</b>					
Bicarbonate as CaCO3		87	mg/L	10	SM-2320 B 17
Chemical Oxygen Demand (COD)	U	35	mg/L	35	EPA-410.4 1978
Cyanide	UX	0.02	mg/L	0.02	SW846-9010-A
Iodide	U	2	mg/L	2	EPA-345.1 1974
Sulfide	UX	4	mg/L	4	EPA-376.1
Total Organic Carbon (TOC)		1.1	mg/L	1	SW846-9060
Total Organic Halides (TOX)	BU	0.05	mg/L	0.05	SW846-9020B
Turbidity		3.5	NTU	0.5	EPA-180.1 1978

MW395

SG02-06

C-746-S&T MW Abandonment and Replacement - Event 2 SG02-06

MW395SG602RE

Collected: 9/30/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.56	Inches/Hg			
Conductivity		393	umho/cm			
Depth to Water		53.77	ft			
Dissolved Oxygen		4.03	mg/L			
pH		5.9	Std Unit			
Redox		100	mV			
Temperature		61.9	deg F			
<b>SVOA</b>						
1,3-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260B
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260B
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260B
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260B
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260B
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260B
1,1-Dichloropropene	U	0.01	mg/L		0.01	SW846-8260B
1,2,3-Trichloropropane	U	0.01	mg/L		0.01	SW846-8260B
1,2-Dibromo-3-chloropropane	U	0.02	mg/L		0.02	SW846-8260B
1,2-Dibromoethane	U	0.02	mg/L		0.02	SW846-8260B
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260B
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260B
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260B
1,2-Dimethylbenzene	U	0.005	mg/L		0.005	SW846-8260B
1,3-Dichloropropane	U	0.01	mg/L		0.01	SW846-8260B
1,3-Dimethylbenzene	U	0.005	mg/L		0.005	SW846-8260B
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260B
2,2-Dichloropropane	U	0.01	mg/L		0.01	SW846-8260B
2-Butanone	U	0.05	mg/L		0.05	SW846-8260B
2-Chloro-1,3-butadiene	U	0.01	mg/L		0.01	SW846-8260B
2-Chloroethyl vinyl ether	U	0.01	mg/L		0.01	SW846-8260B
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260B
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260B
Acetone	U	0.01	mg/L		0.01	SW846-8260B
Acetonitrile	U	0.02	mg/L		0.02	SW846-8260B
Acrolein	U	0.01	mg/L		0.01	SW846-8260B
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260B
Allyl chloride	U	0.02	mg/L		0.02	SW846-8260B
Benzene	U	0.005	mg/L		0.005	SW846-8260B
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260B
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260B
Bromoform	U	0.005	mg/L		0.005	SW846-8260B
Bromomethane	U	0.01	mg/L		0.01	SW846-8260B
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260B
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260B
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260B
Chloroethane	U	0.01	mg/L		0.01	SW846-8260B
Chloromethane	U	0.01	mg/L		0.01	SW846-8260B
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260B
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260B

## MW395

## SG02-06

## C-746-S&amp;T MW Abandonment and Replacement - Event 2 SG02-06

Dibromochloromethane	U	0.005 mg/L	0.005	SW846-8260B
Dibromomethane	U	0.01 mg/L	0.01	SW846-8260B
Dichlorodifluoromethane	U	0.01 mg/L	0.01	SW846-8260B
Ethyl cyanide	U	0.05 mg/L	0.05	SW846-8260B
Ethyl methacrylate	U	0.01 mg/L	0.01	SW846-8260B
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260B
Iodomethane	U	0.01 mg/L	0.01	SW846-8260B
Isobutanol	U	0.1 mg/L	0.1	SW846-8260B
Methacrylonitrile	U	0.02 mg/L	0.02	SW846-8260B
Methyl methacrylate	U	0.01 mg/L	0.01	SW846-8260B
Methylene chloride	JB	0.002 mg/L	0.005	SW846-8260B
Styrene	U	0.005 mg/L	0.005	SW846-8260B
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260B
Toluene	U	0.005 mg/L	0.005	SW846-8260B
Total Xylene	U	0.005 mg/L	0.005	SW846-8260B
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260B
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260B
Trans-1,4-Dichloro-2-butene	U	0.02 mg/L	0.02	SW846-8260B
Trichloroethene		0.014 mg/L	0.005	SW846-8260B
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260B
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260B

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**MW396**

**SG02-06**

**C-746-S&T MW Abandonment and Replacement - Event 2 SG02-06**

**MW396SG6-02**

Collected: 9/16/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	J	1.6	mg/L		1	SW846-9056
Chloride		98.3	mg/L		2	SW846-9056
Fluoride	U	1	mg/L		1	SW846-9056
Sulfate	J	26.3	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.68	Inches/Hg			
Conductivity		870	umho/cm			
Depth to Water		12.8	ft			
Dissolved Oxygen		0.4	mg/L			
pH		6.4	Std Unit			
Temperature		65.5	deg F			
<b>HERB</b>						
2,4,5-T	U	0.0005	mg/L		0.0005	SW846-8151A
2,4-D	U	0.001	mg/L		0.001	SW846-8151A
Dinoseb	U	0.05	mg/L		0.05	SW846-8270C
Silvex	U	0.0005	mg/L		0.0005	SW846-8151A
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium		0.188	mg/L		0.025	SW846-6010A
Beryllium	U	0.005	mg/L		0.005	SW846-6010A
Boron	U	2	mg/L		2	SW846-6010A
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Calcium	N	42.9	mg/L		2	SW846-6010A
Chromium	U	0.025	mg/L		0.025	SW846-6010A
Cobalt	U	0.025	mg/L		0.025	SW846-6010A
Copper	U	0.05	mg/L		0.05	SW846-6010A
Iron		9.53	mg/L		0.2	SW846-6010A
Magnesium		17.3	mg/L		0.025	SW846-6010A
Manganese		0.647	mg/L		0.025	SW846-6010A
Mercury	BUW	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	U	0.025	mg/L		0.025	SW846-6010A
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Potassium	U	2	mg/L		2	SW846-6010A
Rhodium	UX	0.2	mg/L		0.2	SW846-6010A
Selenium	UW	0.01	mg/L		0.01	SW846-7740
Silver	U	0.025	mg/L		0.025	SW846-6010A
Sodium	N	116	mg/L		2	SW846-6010A
Tantalum	U	0.2	mg/L		0.2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Tin	NU	1	mg/L		1	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.025	mg/L		0.025	SW846-6010A
Zinc	U	0.1	mg/L		0.1	SW846-6010A
<b>METAL-D</b>						
Barium, Dissolved		0.181	mg/L		0.025	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids	J	506	mg/L		100	EPA-160.2
<b>PCCB</b>						
4,4'-DDD	U	0.0001	mg/L		0.0001	SW846-8081A

## MW396

## SG02-06

## C-746-S&amp;T MW Abandonment and Replacement - Event 2 SG02-06

4,4'-DDE	U	0.0001	mg/L	0.0001	SW846-8081A
4,4'-DDT	U	0.0001	mg/L	0.0001	SW846-8081A
Aldrin	U	0.00005	mg/L	5E-05	SW846-8081A
alpha-BHC	U	0.00005	mg/L	5E-05	SW846-8081A
alpha-Chlordane	U	0.00005	mg/L	5E-05	SW846-8081A
beta-BHC	U	0.00005	mg/L	5E-05	SW846-8081A
delta-BHC	U	0.00005	mg/L	5E-05	SW846-8081A
Dieldrin	U	0.0001	mg/L	0.0001	SW846-8081A
Disulfoton	U	0.0005	mg/L	0.0005	SW846-8141
Endosulfan I	U	0.00005	mg/L	5E-05	SW846-8081A
Endosulfan II	U	0.0001	mg/L	0.0001	SW846-8081A
Endosulfan sulfate	U	0.0001	mg/L	0.0001	SW846-8081A
Endrin	U	0.0001	mg/L	0.0001	SW846-8081A
Endrin aldehyde	U	0.0001	mg/L	0.0001	SW846-8081A
Famphur	U	0.0012	mg/L	0.0012	SW846-8141
gamma-Chlordane	U	0.00005	mg/L	5E-05	SW846-8081A
Heptachlor	U	0.00005	mg/L	5E-05	SW846-8081A
Heptachlor epoxide	U	0.00005	mg/L	5E-05	SW846-8081A
Kepone	U	0.0005	mg/L	0.0005	SW846-8081A
Lindane	U	0.00005	mg/L	5E-05	SW846-8081A
Methoxychlor	U	0.0005	mg/L	0.0005	SW846-8081A
Methyl parathion	U	0.0005	mg/L	0.0005	SW846-8141
Parathion	U	0.0005	mg/L	0.0005	SW846-8141
PCB-1016	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1221	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1232	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1242	U	0.00013	mg/L	0.0001	SW846-8082
PCB-1248	U	0.00015	mg/L	0.0002	SW846-8082
PCB-1254	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1260	U	0.00009	mg/L	9E-05	SW846-8082
PCB-1268	U	0.0001	mg/L	0.0001	SW846-8082
Phorate	U	0.0005	mg/L	0.0005	SW846-8141
Polychlorinated biphenyl	U	0.00017	mg/L	0.0002	SW846-8082
Sulfotepp	U	0.0005	mg/L	0.0005	SW846-8141
Thionazin	U	0.0005	mg/L	0.0005	SW846-8141
Toxaphene	U	0.005	mg/L	0.005	SW846-8081A

## RADS

Alpha activity	U	-3.55	pCi/L	3.18	10.5	EPA-900.0
Beta activity	U	0.727	pCi/L	0.17	5.98	EPA-900.0
Strontium-90	U	-2.66	pCi/L	0.632	17.5	RL-7145
Technetium-99	U	6.39	pCi/L	12.7	18.6	RL-7100
Tritium	U	-32.7	pCi/L	159	266	704R5

## SVOA

1,2,4,5-Tetrachlorobenzene	U	0.01	mg/L	0.01	SW846-8270C
1,2,4-Trichlorobenzene	U	0.01	mg/L	0.01	SW846-8270C
1,3,5-Trinitrobenzene	U	0.01	mg/L	0.01	SW846-8270C
1,3-Dinitrobenzene	U	0.01	mg/L	0.01	SW846-8270C
1,4-Dioxane	U	0.01	mg/L	0.01	SW846-8270C
1,4-Naphthoquinone	U	0.01	mg/L	0.01	SW846-8270C
1-Naphthalenamine	U	0.01	mg/L	0.01	SW846-8270C
2,3,4,6-Tetrachlorophenol	U	0.01	mg/L	0.01	SW846-8270C
2,4,5-Trichlorophenol	U	0.025	mg/L	0.025	SW846-8270C
2,4,6-Trichlorophenol	U	0.01	mg/L	0.01	SW846-8270C
2,4-Dichlorophenol	U	0.01	mg/L	0.01	SW846-8270C
2,4-Dimethylphenol	U	0.01	mg/L	0.01	SW846-8270C

## MW396

## SG02-06

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2,4-Dinitrophenol	U	0.025	mg/L	0.025	SW846-8270C
2,4-Dinitrotoluene	U	0.01	mg/L	0.01	SW846-8270C
2,6-Dichlorophenol	U	0.01	mg/L	0.01	SW846-8270C
2,6-Dinitrotoluene	U	0.01	mg/L	0.01	SW846-8270C
2-Acetylaminofluorene	U	0.01	mg/L	0.01	SW846-8270C
2-Chloronaphthalene	U	0.01	mg/L	0.01	SW846-8270C
2-Chlorophenol	U	0.01	mg/L	0.01	SW846-8270C
2-Methyl-4,6-dinitrophenol	U	0.025	mg/L	0.025	SW846-8270C
2-Methylnaphthalene	U	0.01	mg/L	0.01	SW846-8270C
2-Methylphenol	U	0.01	mg/L	0.01	SW846-8270C
2-Nitrobenzenamine	U	0.025	mg/L	0.025	SW846-8270C
2-Nitrophenol	U	0.01	mg/L	0.01	SW846-8270C
3,3'-Dichlorobenzidine	U	0.01	mg/L	0.01	SW846-8270C
3,3'-Dimethylbenzidine	U	0.01	mg/L	0.01	SW846-8270C
3-Methylcholanthrene	U	0.01	mg/L	0.01	SW846-8270C
3-Methylphenol	J	0.004	mg/L	0.01	SW846-8270C
3-Nitrobenzenamine	U	0.025	mg/L	0.025	SW846-8270C
4-Aminobiphenyl	U	0.01	mg/L	0.01	SW846-8270C
4-Bromophenyl phenyl ether	U	0.01	mg/L	0.01	SW846-8270C
4-Chloro-3-methylphenol	U	0.01	mg/L	0.01	SW846-8270C
4-Chlorobenzenamine	U	0.01	mg/L	0.01	SW846-8270C
4-Chlorophenyl phenyl ether	U	0.01	mg/L	0.01	SW846-8270C
4-Nitrobenzenamine	U	0.025	mg/L	0.025	SW846-8270C
4-Nitrophenol	U	0.025	mg/L	0.025	SW846-8270C
5-(2-Propenyl)-1,3-benzodioxole (Safr	U	0.01	mg/L	0.01	SW846-8270C
5-Nitro-o-toluidine	U	0.01	mg/L	0.01	SW846-8270C
7,12-Dimethylbenz(a)anthracene	U	0.01	mg/L	0.01	SW846-8270C
Acenaphthene	U	0.01	mg/L	0.01	SW846-8270C
Acenaphthylene	U	0.01	mg/L	0.01	SW846-8270C
Acetophenone	U	0.01	mg/L	0.01	SW846-8270C
Anthracene	U	0.01	mg/L	0.01	SW846-8270C
Benz(a)anthracene	U	0.01	mg/L	0.01	SW846-8270C
Benzenemethanol	U	0.01	mg/L	0.01	SW846-8270C
Benzo(a)pyrene	U	0.01	mg/L	0.01	SW846-8270C
Benzo(b)fluoranthene	U	0.01	mg/L	0.01	SW846-8270C
Benzo(ghi)perylene	U	0.01	mg/L	0.01	SW846-8270C
Benzo(k)fluoranthene	U	0.01	mg/L	0.01	SW846-8270C
Bis(2-chloroethoxy)methane	U	0.01	mg/L	0.01	SW846-8270C
Bis(2-chloroethyl) ether	U	0.01	mg/L	0.01	SW846-8270C
Bis(2-chloroisopropyl) ether	U	0.01	mg/L	0.01	SW846-8270C
Bis(2-ethylhexyl)phthalate	JB	0.0008	mg/L	0.01	SW846-8270C
Butyl benzyl phthalate	U	0.01	mg/L	0.01	SW846-8270C
Chlorobenzilate	U	0.01	mg/L	0.01	SW846-8270C
Chrysene	U	0.01	mg/L	0.01	SW846-8270C
Diallate	U	0.01	mg/L	0.01	SW846-8270C
Dibenz(a,h)anthracene	U	0.01	mg/L	0.01	SW846-8270C
Dibenzofuran	U	0.01	mg/L	0.01	SW846-8270C
Diethyl phthalate	U	0.01	mg/L	0.01	SW846-8270C
Dimethoate	U	0.0005	mg/L	0.0005	SW846-8141
Dimethyl phthalate	U	0.01	mg/L	0.01	SW846-8270C
Di-n-butyl phthalate	JB	0.001	mg/L	0.01	SW846-8270C
Di-n-octylphthalate	U	0.01	mg/L	0.01	SW846-8270C
Ethyl methanesulfonate	U	0.01	mg/L	0.01	SW846-8270C
Fluoranthene	U	0.01	mg/L	0.01	SW846-8270C
Fluorene	U	0.01	mg/L	0.01	SW846-8270C

**MW396****SG02-06****C-746-S&T MW Abandonment and Replacement - Event 2 SG02-06**

Hexachloro-1-propene	U	0.01	mg/L	0.01	SW846-8270C
Hexachlorobenzene	U	0.01	mg/L	0.01	SW846-8270C
Hexachlorobutadiene	U	0.01	mg/L	0.01	SW846-8270C
Hexachlorocyclopentadiene	U	0.01	mg/L	0.01	SW846-8270C
Hexachloroethane	U	0.01	mg/L	0.01	SW846-8270C
Indeno(1,2,3-cd)pyrene	U	0.01	mg/L	0.01	SW846-8270C
Isodrin	U	0.01	mg/L	0.01	SW846-8270C
Isodrin	U	0.0001	mg/L	0.0001	SW846-8081A
Isophorone	U	0.01	mg/L	0.01	SW846-8270C
Isosafrole	U	0.01	mg/L	0.01	SW846-8270C
Methapyrilene	U	0.01	mg/L	0.01	SW846-8270C
Methyl methanesulfonate	U	0.01	mg/L	0.01	SW846-8270C
Naphthalene	U	0.01	mg/L	0.01	SW846-8270C
Nitrobenzene	U	0.01	mg/L	0.01	SW846-8270C
N-Nitrosodiethylamine	U	0.01	mg/L	0.01	SW846-8270C
N-Nitrosodimethylamine	U	0.01	mg/L	0.01	SW846-8270C
N-Nitroso-di-n-butylamine	U	0.01	mg/L	0.01	SW846-8270C
N-Nitroso-di-n-propylamine	U	0.01	mg/L	0.01	SW846-8270C
N-Nitrosodiphenylamine	U	0.01	mg/L	0.01	SW846-8270C
N-Nitrosomethylethylamine	U	0.01	mg/L	0.01	SW846-8270C
N-Nitrosopiperidine	U	0.05	mg/L	0.05	SW846-8270C
N-Nitrosopyrrolidine	U	0.01	mg/L	0.01	SW846-8270C
O,O,O-Triethylphosphorothioate	U	0.0005	mg/L	0.0005	SW846-8141
o-Toluidine	U	0.01	mg/L	0.01	SW846-8270C
p-Dimethylaminoazobenzene	U	0.01	mg/L	0.01	SW846-8270C
Pentachlorobenzene	U	0.01	mg/L	0.01	SW846-8270C
Pentachloroethane	U	0.01	mg/L	0.01	SW846-8270C
Pentachloronitrobenzene	U	0.05	mg/L	0.05	SW846-8270C
Pentachlorophenol	U	0.025	mg/L	0.025	SW846-8270C
Phenacetin	U	0.01	mg/L	0.01	SW846-8270C
Phenanthrene	U	0.01	mg/L	0.01	SW846-8270C
Phenol	U	0.01	mg/L	0.01	SW846-8270C
p-Phenylenediamine	U	0.01	mg/L	0.01	SW846-8270C
Pronamide	U	0.01	mg/L	0.01	SW846-8270C
Pyrene	U	0.01	mg/L	0.01	SW846-8270C
<b>VOA</b>					
2-Naphthalenamine	U	0.01	mg/L	0.01	SW846-8270C
Ethanol	U	5	mg/L	5	SW846-8015B
<b>WETCHEM</b>					
Bicarbonate as CaCO3		239	mg/L	10	SM-2320 B 17
Chemical Oxygen Demand (COD)	U	35	mg/L	35	EPA-410.4 1978
Cyanide	UX	0.02	mg/L	0.02	SW846-9010-A
Iodide	U	2	mg/L	2	EPA-345.1 1974
Sulfide	UX	4	mg/L	4	EPA-376.1
Total Organic Carbon (TOC)	X	14.6	mg/L	1	SW846-9060
Total Organic Halides (TOX)	B	0.19	mg/L	0.05	SW846-9020B
Turbidity		36	NTU	0.5	EPA-180.1 1978



MW396

SG02-06

C-746-S&T MW Abandonment and Replacement - Event 2 SG02-06

MW396SG602RE

Collected: 9/30/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.56	Inches/Hg			
Conductivity		871	umho/cm			
Depth to Water		12.23	ft			
Dissolved Oxygen		0.31	mg/L			
pH		6.28	Std Unit			
Temperature		62.4	deg F			
<b>SVOA</b>						
1,3-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260B
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260B
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260B
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260B
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260B
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260B
1,1-Dichloropropene	U	0.01	mg/L		0.01	SW846-8260B
1,2,3-Trichloropropane	U	0.01	mg/L		0.01	SW846-8260B
1,2-Dibromo-3-chloropropane	U	0.02	mg/L		0.02	SW846-8260B
1,2-Dibromoethane	U	0.02	mg/L		0.02	SW846-8260B
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260B
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260B
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260B
1,2-Dimethylbenzene	U	0.005	mg/L		0.005	SW846-8260B
1,3-Dichloropropane	U	0.01	mg/L		0.01	SW846-8260B
1,3-Dimethylbenzene	J	0.001	mg/L		0.005	SW846-8260B
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260B
2,2-Dichloropropane	U	0.01	mg/L		0.01	SW846-8260B
2-Butanone	JB	0.002	mg/L		0.05	SW846-8260B
2-Chloro-1,3-butadiene	U	0.01	mg/L		0.01	SW846-8260B
2-Chloroethyl vinyl ether	U	0.01	mg/L		0.01	SW846-8260B
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260B
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260B
Acetone	B	0.016	mg/L		0.01	SW846-8260B
Acetonitrile	U	0.02	mg/L		0.02	SW846-8260B
Acrolein	U	0.01	mg/L		0.01	SW846-8260B
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260B
Allyl chloride	U	0.02	mg/L		0.02	SW846-8260B
Benzene	U	0.005	mg/L		0.005	SW846-8260B
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260B
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260B
Bromoform	U	0.005	mg/L		0.005	SW846-8260B
Bromomethane	U	0.01	mg/L		0.01	SW846-8260B
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260B
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260B
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260B
Chloroethane	U	0.01	mg/L		0.01	SW846-8260B
Chloromethane	U	0.01	mg/L		0.01	SW846-8260B
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260B
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260B
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260B

## MW396

## SG02-06

## C-746-S&amp;T MW Abandonment and Replacement - Event 2 SG02-06

Dibromomethane	U	0.01 mg/L	0.01	SW846-8260B
Dichlorodifluoromethane	U	0.01 mg/L	0.01	SW846-8260B
Ethyl cyanide	U	0.05 mg/L	0.05	SW846-8260B
Ethyl methacrylate	U	0.01 mg/L	0.01	SW846-8260B
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260B
Iodomethane	U	0.01 mg/L	0.01	SW846-8260B
Isobutanol	U	0.1 mg/L	0.1	SW846-8260B
Methacrylonitrile	U	0.02 mg/L	0.02	SW846-8260B
Methyl methacrylate	U	0.01 mg/L	0.01	SW846-8260B
Methylene chloride	JB	0.002 mg/L	0.005	SW846-8260B
Styrene	U	0.005 mg/L	0.005	SW846-8260B
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260B
Toluene	U	0.005 mg/L	0.005	SW846-8260B
Total Xylene	J	0.001 mg/L	0.005	SW846-8260B
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260B
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260B
Trans-1,4-Dichloro-2-butene	U	0.02 mg/L	0.02	SW846-8260B
Trichloroethene	J	0.002 mg/L	0.005	SW846-8260B
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260B
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260B

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# Paducah-OREIS Data Report

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12/18/2007

**MW397**

**SG02-06**

## C-746-S&T MW Abandonment and Replacement - Event 2 SG02-06

**MW397SG6-02**

Collected: 9/16/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	JU	1	mg/L		1	SW846-9056
Chloride		39.6	mg/L		2	SW846-9056
Fluoride	U	1	mg/L		1	SW846-9056
Sulfate	J	12.8	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.56	Inches/Hg			
Conductivity		315	umho/cm			
Depth to Water		61.1	ft			
Dissolved Oxygen		5.86	mg/L			
pH		5.91	Std Unit			
Redox		120	mV			
Temperature		62.3	deg F			
<b>HERB</b>						
2,4,5-T	U	0.0005	mg/L		0.0005	SW846-8151A
2,4-D	U	0.001	mg/L		0.001	SW846-8151A
Dinoseb	U	0.05	mg/L		0.05	SW846-8270C
Silvex	U	0.0005	mg/L		0.0005	SW846-8151A
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium		0.144	mg/L		0.025	SW846-6010A
Beryllium	U	0.005	mg/L		0.005	SW846-6010A
Boron	U	2	mg/L		2	SW846-6010A
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Calcium	N	19	mg/L		2	SW846-6010A
Chromium	U	0.025	mg/L		0.025	SW846-6010A
Cobalt	U	0.025	mg/L		0.025	SW846-6010A
Copper	U	0.05	mg/L		0.05	SW846-6010A
Iron		0.232	mg/L		0.2	SW846-6010A
Magnesium		7.64	mg/L		0.025	SW846-6010A
Manganese		0.07	mg/L		0.025	SW846-6010A
Mercury	BUW	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	U	0.025	mg/L		0.025	SW846-6010A
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Potassium	U	2	mg/L		2	SW846-6010A
Rhodium	UX	0.2	mg/L		0.2	SW846-6010A
Selenium	UW	0.01	mg/L		0.01	SW846-7740
Silver	U	0.025	mg/L		0.025	SW846-6010A
Sodium	N	34.1	mg/L		2	SW846-6010A
Tantalum	U	0.2	mg/L		0.2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Tin	NU	1	mg/L		1	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.025	mg/L		0.025	SW846-6010A
Zinc	U	0.1	mg/L		0.1	SW846-6010A
<b>METAL-D</b>						
Barium, Dissolved		0.142	mg/L		0.025	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids	J	197	mg/L		100	EPA-160.2
<b>PPCB</b>						

**MW397**

**SG02-06**

**C-746-S&T MW Abandonment and Replacement - Event 2 SG02-06**

4,4'-DDD	U	0.0001	mg/L	0.0001	SW846-8081A
4,4'-DDE	U	0.0001	mg/L	0.0001	SW846-8081A
4,4'-DDT	U	0.0001	mg/L	0.0001	SW846-8081A
Aldrin	U	0.00005	mg/L	5E-05	SW846-8081A
alpha-BHC	U	0.00005	mg/L	5E-05	SW846-8081A
alpha-Chlordane	U	0.00005	mg/L	5E-05	SW846-8081A
beta-BHC	U	0.00005	mg/L	5E-05	SW846-8081A
delta-BHC	U	0.00005	mg/L	5E-05	SW846-8081A
Dieldrin	U	0.0001	mg/L	0.0001	SW846-8081A
Disulfoton	U	0.0005	mg/L	0.0005	SW846-8141
Endosulfan I	U	0.00005	mg/L	5E-05	SW846-8081A
Endosulfan II	U	0.0001	mg/L	0.0001	SW846-8081A
Endosulfan sulfate	U	0.0001	mg/L	0.0001	SW846-8081A
Endrin	U	0.0001	mg/L	0.0001	SW846-8081A
Endrin aldehyde	U	0.0001	mg/L	0.0001	SW846-8081A
Famphur	U	0.0012	mg/L	0.0012	SW846-8141
gamma-Chlordane	U	0.00005	mg/L	5E-05	SW846-8081A
Heptachlor	U	0.00005	mg/L	5E-05	SW846-8081A
Heptachlor epoxide	U	0.00005	mg/L	5E-05	SW846-8081A
Kepone	U	0.0005	mg/L	0.0005	SW846-8081A
Lindane	U	0.00005	mg/L	5E-05	SW846-8081A
Methoxychlor	U	0.0005	mg/L	0.0005	SW846-8081A
Methyl parathion	U	0.0005	mg/L	0.0005	SW846-8141
Parathion	U	0.0005	mg/L	0.0005	SW846-8141
PCB-1016	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1221	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1232	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1242	U	0.00013	mg/L	0.0001	SW846-8082
PCB-1248	U	0.00015	mg/L	0.0002	SW846-8082
PCB-1254	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1260	U	0.00009	mg/L	9E-05	SW846-8082
PCB-1268	U	0.0001	mg/L	0.0001	SW846-8082
Phorate	U	0.0005	mg/L	0.0005	SW846-8141
Polychlorinated biphenyl	U	0.00017	mg/L	0.0002	SW846-8082
Sulfotepp	U	0.0005	mg/L	0.0005	SW846-8141
Thionazin	U	0.0005	mg/L	0.0005	SW846-8141
Toxaphene	U	0.005	mg/L	0.005	SW846-8081A

**RADS**

Alpha activity	U	-3.55	pCi/L	2.9	8.74	EPA-900.0
Beta activity		11	pCi/L	1.8	5.64	EPA-900.0
Strontium-90	U	3.91	pCi/L	0.811	17.5	RL-7145
Technetium-99	U	17.3	pCi/L	13.1	18.6	RL-7100
Tritium	U	2.18	pCi/L	159	266	704R5

**SVOA**

1,2,4,5-Tetrachlorobenzene	U	0.01	mg/L	0.01	SW846-8270C
1,2,4-Trichlorobenzene	U	0.01	mg/L	0.01	SW846-8270C
1,3,5-Trinitrobenzene	U	0.01	mg/L	0.01	SW846-8270C
1,3-Dinitrobenzene	U	0.01	mg/L	0.01	SW846-8270C
1,4-Dioxane	U	0.01	mg/L	0.01	SW846-8270C
1,4-Naphthoquinone	U	0.01	mg/L	0.01	SW846-8270C
1-Naphthalenamine	U	0.01	mg/L	0.01	SW846-8270C
2,3,4,6-Tetrachlorophenol	U	0.01	mg/L	0.01	SW846-8270C
2,4,5-Trichlorophenol	U	0.025	mg/L	0.025	SW846-8270C
2,4,6-Trichlorophenol	U	0.01	mg/L	0.01	SW846-8270C
2,4-Dichlorophenol	U	0.01	mg/L	0.01	SW846-8270C

## MW397

## SG02-06

## C-746-S&amp;T MW Abandonment and Replacement - Event 2 SG02-06

2,4-Dimethylphenol	U	0.01	mg/L	0.01	SW846-8270C
2,4-Dinitrophenol	U	0.025	mg/L	0.025	SW846-8270C
2,4-Dinitrotoluene	U	0.01	mg/L	0.01	SW846-8270C
2,6-Dichlorophenol	U	0.01	mg/L	0.01	SW846-8270C
2,6-Dinitrotoluene	U	0.01	mg/L	0.01	SW846-8270C
2-Acetylaminofluorene	U	0.01	mg/L	0.01	SW846-8270C
2-Chloronaphthalene	U	0.01	mg/L	0.01	SW846-8270C
2-Chlorophenol	U	0.01	mg/L	0.01	SW846-8270C
2-Methyl-4,6-dinitrophenol	U	0.025	mg/L	0.025	SW846-8270C
2-Methylnaphthalene	U	0.01	mg/L	0.01	SW846-8270C
2-Methylphenol	U	0.01	mg/L	0.01	SW846-8270C
2-Nitrobenzenamine	U	0.025	mg/L	0.025	SW846-8270C
2-Nitrophenol	U	0.01	mg/L	0.01	SW846-8270C
3,3'-Dichlorobenzidine	U	0.01	mg/L	0.01	SW846-8270C
3,3'-Dimethylbenzidine	U	0.01	mg/L	0.01	SW846-8270C
3-Methylcholanthrene	U	0.01	mg/L	0.01	SW846-8270C
3-Methylphenol	U	0.01	mg/L	0.01	SW846-8270C
3-Nitrobenzenamine	U	0.025	mg/L	0.025	SW846-8270C
4-Aminobiphenyl	U	0.01	mg/L	0.01	SW846-8270C
4-Bromophenyl phenyl ether	U	0.01	mg/L	0.01	SW846-8270C
4-Chloro-3-methylphenol	U	0.01	mg/L	0.01	SW846-8270C
4-Chlorobenzenamine	U	0.01	mg/L	0.01	SW846-8270C
4-Chlorophenyl phenyl ether	U	0.01	mg/L	0.01	SW846-8270C
4-Nitrobenzenamine	U	0.025	mg/L	0.025	SW846-8270C
4-Nitrophenol	U	0.025	mg/L	0.025	SW846-8270C
5-(2-Propenyl)-1,3-benzodioxole (Safr	U	0.01	mg/L	0.01	SW846-8270C
5-Nitro-o-toluidine	U	0.01	mg/L	0.01	SW846-8270C
7,12-Dimethylbenz(a)anthracene	U	0.01	mg/L	0.01	SW846-8270C
Acenaphthene	U	0.01	mg/L	0.01	SW846-8270C
Acenaphthylene	U	0.01	mg/L	0.01	SW846-8270C
Acetophenone	U	0.01	mg/L	0.01	SW846-8270C
Anthracene	U	0.01	mg/L	0.01	SW846-8270C
Benz(a)anthracene	U	0.01	mg/L	0.01	SW846-8270C
Benzenemethanol	U	0.01	mg/L	0.01	SW846-8270C
Benzo(a)pyrene	U	0.01	mg/L	0.01	SW846-8270C
Benzo(b)fluoranthene	U	0.01	mg/L	0.01	SW846-8270C
Benzo(ghi)perylene	U	0.01	mg/L	0.01	SW846-8270C
Benzo(k)fluoranthene	U	0.01	mg/L	0.01	SW846-8270C
Bis(2-chloroethoxy)methane	U	0.01	mg/L	0.01	SW846-8270C
Bis(2-chloroethyl) ether	U	0.01	mg/L	0.01	SW846-8270C
Bis(2-chloroisopropyl) ether	U	0.01	mg/L	0.01	SW846-8270C
Bis(2-ethylhexyl)phthalate	JB	0.001	mg/L	0.01	SW846-8270C
Butyl benzyl phthalate	U	0.01	mg/L	0.01	SW846-8270C
Chlorobenzilate	U	0.01	mg/L	0.01	SW846-8270C
Chrysene	U	0.01	mg/L	0.01	SW846-8270C
Diallate	U	0.01	mg/L	0.01	SW846-8270C
Dibenz(a,h)anthracene	U	0.01	mg/L	0.01	SW846-8270C
Dibenzofuran	U	0.01	mg/L	0.01	SW846-8270C
Diethyl phthalate	U	0.01	mg/L	0.01	SW846-8270C
Dimethoate	U	0.0005	mg/L	0.0005	SW846-8141
Dimethyl phthalate	U	0.01	mg/L	0.01	SW846-8270C
Di-n-butyl phthalate	JB	0.001	mg/L	0.01	SW846-8270C
Di-n-octylphthalate	U	0.01	mg/L	0.01	SW846-8270C
Ethyl methanesulfonate	U	0.01	mg/L	0.01	SW846-8270C
Fluoranthene	U	0.01	mg/L	0.01	SW846-8270C

**MW397****SG02-06****C-746-S&T MW Abandonment and Replacement - Event 2 SG02-06**

Fluorene	U	0.01 mg/L	0.01	SW846-8270C
Hexachloro-1-propene	U	0.01 mg/L	0.01	SW846-8270C
Hexachlorobenzene	U	0.01 mg/L	0.01	SW846-8270C
Hexachlorobutadiene	U	0.01 mg/L	0.01	SW846-8270C
Hexachlorocyclopentadiene	U	0.01 mg/L	0.01	SW846-8270C
Hexachloroethane	U	0.01 mg/L	0.01	SW846-8270C
Indeno(1,2,3-cd)pyrene	U	0.01 mg/L	0.01	SW846-8270C
Isodrin	U	0.01 mg/L	0.01	SW846-8270C
Isodrin	U	0.0001 mg/L	0.0001	SW846-8081A
Isophorone	U	0.01 mg/L	0.01	SW846-8270C
Isosafrole	U	0.01 mg/L	0.01	SW846-8270C
Methapyrilene	U	0.01 mg/L	0.01	SW846-8270C
Methyl methanesulfonate	U	0.01 mg/L	0.01	SW846-8270C
Naphthalene	U	0.01 mg/L	0.01	SW846-8270C
Nitrobenzene	U	0.01 mg/L	0.01	SW846-8270C
N-Nitrosodiethylamine	U	0.01 mg/L	0.01	SW846-8270C
N-Nitrosodimethylamine	U	0.01 mg/L	0.01	SW846-8270C
N-Nitroso-di-n-butylamine	U	0.01 mg/L	0.01	SW846-8270C
N-Nitroso-di-n-propylamine	U	0.01 mg/L	0.01	SW846-8270C
N-Nitrosodiphenylamine	U	0.01 mg/L	0.01	SW846-8270C
N-Nitrosomethylethylamine	U	0.01 mg/L	0.01	SW846-8270C
N-Nitrosopiperidine	U	0.05 mg/L	0.05	SW846-8270C
N-Nitrosopyrrolidine	U	0.01 mg/L	0.01	SW846-8270C
O,O,O-Triethylphosphorothioate	U	0.0005 mg/L	0.0005	SW846-8141
o-Toluidine	U	0.01 mg/L	0.01	SW846-8270C
p-Dimethylaminoazobenzene	U	0.01 mg/L	0.01	SW846-8270C
Pentachlorobenzene	U	0.01 mg/L	0.01	SW846-8270C
Pentachloroethane	U	0.01 mg/L	0.01	SW846-8270C
Pentachloronitrobenzene	U	0.05 mg/L	0.05	SW846-8270C
Pentachlorophenol	U	0.025 mg/L	0.025	SW846-8270C
Phenacetin	U	0.01 mg/L	0.01	SW846-8270C
Phenanthrene	U	0.01 mg/L	0.01	SW846-8270C
Phenol	U	0.01 mg/L	0.01	SW846-8270C
p-Phenylenediamine	U	0.01 mg/L	0.01	SW846-8270C
Pronamide	U	0.01 mg/L	0.01	SW846-8270C
Pyrene	U	0.01 mg/L	0.01	SW846-8270C
<b>VOA</b>				
2-Naphthalenamine	U	0.01 mg/L	0.01	SW846-8270C
Ethanol	U	5 mg/L	5	SW846-8015B
<b>WETCHEM</b>				
Bicarbonate as CaCO3		78 mg/L	10	SM-2320 B 17
Chemical Oxygen Demand (COD)	U	35 mg/L	35	EPA-410.4 1978
Cyanide	UX	0.02 mg/L	0.02	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Sulfide	UX	4 mg/L	4	EPA-376.1
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	BU	0.05 mg/L	0.05	SW846-9020B
Turbidity		4 NTU	0.5	EPA-180.1 1978

MW397

SG02-06

## C-746-S&amp;T MW Abandonment and Replacement - Event 2 SG02-06

MW397DSG602RE

Collected: 9/30/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.74	Inches/Hg			
Conductivity		311	umho/cm			
Depth to Water		61.72	ft			
Dissolved Oxygen		5.13	mg/L			
pH		6	Std Unit			
Redox		140	mV			
Temperature		63.7	deg F			
<b>SVOA</b>						
1,3-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260B
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260B
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260B
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260B
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260B
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260B
1,1-Dichloropropene	U	0.01	mg/L		0.01	SW846-8260B
1,2,3-Trichloropropane	U	0.01	mg/L		0.01	SW846-8260B
1,2-Dibromo-3-chloropropane	U	0.02	mg/L		0.02	SW846-8260B
1,2-Dibromoethane	U	0.02	mg/L		0.02	SW846-8260B
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260B
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260B
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260B
1,2-Dimethylbenzene	U	0.005	mg/L		0.005	SW846-8260B
1,3-Dichloropropane	U	0.01	mg/L		0.01	SW846-8260B
1,3-Dimethylbenzene	U	0.005	mg/L		0.005	SW846-8260B
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260B
2,2-Dichloropropane	U	0.01	mg/L		0.01	SW846-8260B
2-Butanone	U	0.05	mg/L		0.05	SW846-8260B
2-Chloro-1,3-butadiene	U	0.01	mg/L		0.01	SW846-8260B
2-Chloroethyl vinyl ether	U	0.01	mg/L		0.01	SW846-8260B
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260B
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260B
Acetone	U	0.01	mg/L		0.01	SW846-8260B
Acetonitrile	U	0.02	mg/L		0.02	SW846-8260B
Acrolein	U	0.01	mg/L		0.01	SW846-8260B
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260B
Allyl chloride	U	0.02	mg/L		0.02	SW846-8260B
Benzene	U	0.005	mg/L		0.005	SW846-8260B
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260B
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260B
Bromoform	U	0.005	mg/L		0.005	SW846-8260B
Bromomethane	U	0.01	mg/L		0.01	SW846-8260B
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260B
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260B
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260B
Chloroethane	U	0.01	mg/L		0.01	SW846-8260B
Chloromethane	U	0.01	mg/L		0.01	SW846-8260B
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260B
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260B

## MW397

## SG02-06

## C-746-S&amp;T MW Abandonment and Replacement - Event 2 SG02-06

Dibromochloromethane	U	0.005	mg/L	0.005	SW846-8260B
Dibromomethane	U	0.01	mg/L	0.01	SW846-8260B
Dichlorodifluoromethane	U	0.01	mg/L	0.01	SW846-8260B
Ethyl cyanide	U	0.05	mg/L	0.05	SW846-8260B
Ethyl methacrylate	U	0.01	mg/L	0.01	SW846-8260B
Ethylbenzene	U	0.005	mg/L	0.005	SW846-8260B
Iodomethane	U	0.01	mg/L	0.01	SW846-8260B
Isobutanol	U	0.1	mg/L	0.1	SW846-8260B
Methacrylonitrile	U	0.02	mg/L	0.02	SW846-8260B
Methyl methacrylate	U	0.01	mg/L	0.01	SW846-8260B
Methylene chloride	JB	0.002	mg/L	0.005	SW846-8260B
Styrene	U	0.005	mg/L	0.005	SW846-8260B
Tetrachloroethene	U	0.005	mg/L	0.005	SW846-8260B
Toluene	U	0.005	mg/L	0.005	SW846-8260B
Total Xylene	U	0.005	mg/L	0.005	SW846-8260B
trans-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260B
trans-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260B
Trans-1,4-Dichloro-2-butene	U	0.02	mg/L	0.02	SW846-8260B
Trichloroethene	U	0.005	mg/L	0.005	SW846-8260B
Trichlorofluoromethane	U	0.005	mg/L	0.005	SW846-8260B
Vinyl acetate	U	0.01	mg/L	0.01	SW846-8260B

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MW397

SG02-06

C-746-S&T MW Abandonment and Replacement - Event 2 SG02-06

MW397SG602RE

Collected: 9/30/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.74	Inches/Hg			
Conductivity		311	umho/cm			
Depth to Water		61.72	ft			
Dissolved Oxygen		5.13	mg/L			
pH		6	Std Unit			
Redox		140	mV			
Temperature		63.7	deg F			
<b>SVOA</b>						
1,3-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260B
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260B
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260B
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260B
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260B
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260B
1,1-Dichloropropene	U	0.01	mg/L		0.01	SW846-8260B
1,2,3-Trichloropropane	U	0.01	mg/L		0.01	SW846-8260B
1,2-Dibromo-3-chloropropane	U	0.02	mg/L		0.02	SW846-8260B
1,2-Dibromoethane	U	0.02	mg/L		0.02	SW846-8260B
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260B
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260B
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260B
1,2-Dimethylbenzene	U	0.005	mg/L		0.005	SW846-8260B
1,3-Dichloropropane	U	0.01	mg/L		0.01	SW846-8260B
1,3-Dimethylbenzene	U	0.005	mg/L		0.005	SW846-8260B
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260B
2,2-Dichloropropane	U	0.01	mg/L		0.01	SW846-8260B
2-Butanone	U	0.05	mg/L		0.05	SW846-8260B
2-Chloro-1,3-butadiene	U	0.01	mg/L		0.01	SW846-8260B
2-Chloroethyl vinyl ether	U	0.01	mg/L		0.01	SW846-8260B
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260B
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260B
Acetone	U	0.01	mg/L		0.01	SW846-8260B
Acetonitrile	U	0.02	mg/L		0.02	SW846-8260B
Acrolein	U	0.01	mg/L		0.01	SW846-8260B
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260B
Allyl chloride	U	0.02	mg/L		0.02	SW846-8260B
Benzene	U	0.005	mg/L		0.005	SW846-8260B
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260B
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260B
Bromoform	U	0.005	mg/L		0.005	SW846-8260B
Bromomethane	U	0.01	mg/L		0.01	SW846-8260B
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260B
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260B
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260B
Chloroethane	U	0.01	mg/L		0.01	SW846-8260B
Chloromethane	U	0.01	mg/L		0.01	SW846-8260B
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260B
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260B

## MW397

## SG02-06

## C-746-S&amp;T MW Abandonment and Replacement - Event 2 SG02-06

Dibromochloromethane	U	0.005	mg/L	0.005	SW846-8260B
Dibromomethane	U	0.01	mg/L	0.01	SW846-8260B
Dichlorodifluoromethane	U	0.01	mg/L	0.01	SW846-8260B
Ethyl cyanide	U	0.05	mg/L	0.05	SW846-8260B
Ethyl methacrylate	U	0.01	mg/L	0.01	SW846-8260B
Ethylbenzene	U	0.005	mg/L	0.005	SW846-8260B
Iodomethane	U	0.01	mg/L	0.01	SW846-8260B
Isobutanol	U	0.1	mg/L	0.1	SW846-8260B
Methacrylonitrile	U	0.02	mg/L	0.02	SW846-8260B
Methyl methacrylate	U	0.01	mg/L	0.01	SW846-8260B
Methylene chloride	U	0.005	mg/L	0.005	SW846-8260B
Styrene	U	0.005	mg/L	0.005	SW846-8260B
Tetrachloroethene	U	0.005	mg/L	0.005	SW846-8260B
Toluene	U	0.005	mg/L	0.005	SW846-8260B
Total Xylene	U	0.005	mg/L	0.005	SW846-8260B
trans-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260B
trans-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260B
Trans-1,4-Dichloro-2-butene	U	0.02	mg/L	0.02	SW846-8260B
Trichloroethene	U	0.005	mg/L	0.005	SW846-8260B
Trichlorofluoromethane	U	0.005	mg/L	0.005	SW846-8260B
Vinyl acetate	U	0.01	mg/L	0.01	SW846-8260B

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# Paducah-OREIS Data Report

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**MW397**

**SG02-06**

## C-746-S&T MW Abandonment and Replacement - Event 2 SG02-06

**MW397DSG6-02**

Collected: 9/16/2002

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	JU	1	mg/L	1		SW846-9056
Chloride		39.8	mg/L	2		SW846-9056
Fluoride	U	1	mg/L	1		SW846-9056
Sulfate	J	12.8	mg/L	5		SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.56	Inches/Hg			
Conductivity		315	umho/cm			
Depth to Water		61.1	ft			
Dissolved Oxygen		5.86	mg/L			
pH		5.91	Std Unit			
Redox		120	mV			
Temperature		62.3	deg F			
<b>HERB</b>						
2,4,5-T	U	0.0005	mg/L	0.0005		SW846-8151A
2,4-D	U	0.001	mg/L	0.001		SW846-8151A
Dinoseb	U	0.05	mg/L	0.05		SW846-8270C
Silvex	U	0.0005	mg/L	0.0005		SW846-8151A
<b>METAL</b>						
Aluminum	U	0.2	mg/L	0.2		SW846-6010A
Barium		0.149	mg/L	0.025		SW846-6010A
Beryllium	U	0.005	mg/L	0.005		SW846-6010A
Boron	U	2	mg/L	2		SW846-6010A
Cadmium	U	0.005	mg/L	0.005		SW846-7131
Calcium	N	18.9	mg/L	2		SW846-6010A
Chromium	U	0.025	mg/L	0.025		SW846-6010A
Cobalt	U	0.025	mg/L	0.025		SW846-6010A
Copper	U	0.05	mg/L	0.05		SW846-6010A
Iron	U	0.2	mg/L	0.2		SW846-6010A
Magnesium		7.56	mg/L	0.025		SW846-6010A
Manganese		0.077	mg/L	0.025		SW846-6010A
Mercury	BUW	0.0002	mg/L	0.0002		SW846-7470
Molybdenum	U	0.025	mg/L	0.025		SW846-6010A
Nickel	U	0.05	mg/L	0.05		SW846-6010A
Potassium	U	2	mg/L	2		SW846-6010A
Rhodium	UX	0.2	mg/L	0.2		SW846-6010A
Selenium	UW	0.01	mg/L	0.01		SW846-7740
Silver	U	0.025	mg/L	0.025		SW846-6010A
Sodium	N	34.3	mg/L	2		SW846-6010A
Tantalum	U	0.2	mg/L	0.2		SW846-6010A
Thallium	U	0.2	mg/L	0.2		SW846-6010A
Tin	NU	1	mg/L	1		SW846-6010A
Uranium	U	0.001	mg/L	0.001		IN7105
Vanadium	U	0.025	mg/L	0.025		SW846-6010A
Zinc	U	0.1	mg/L	0.1		SW846-6010A
<b>METAL-D</b>						
Barium, Dissolved		0.147	mg/L	0.025		SW846-6010A
<b>PHYSC</b>						
Dissolved Solids	J	190	mg/L	100		EPA-160.2
<b>PPCB</b>						

**MW397**

**SG02-06**

**C-746-S&T MW Abandonment and Replacement - Event 2 SG02-06**

4,4'-DDD	U	0.0001	mg/L	0.0001	SW846-8081A
4,4'-DDE	U	0.0001	mg/L	0.0001	SW846-8081A
4,4'-DDT	U	0.0001	mg/L	0.0001	SW846-8081A
Aldrin	U	0.00005	mg/L	5E-05	SW846-8081A
alpha-BHC	U	0.00005	mg/L	5E-05	SW846-8081A
alpha-Chlordane	U	0.00005	mg/L	5E-05	SW846-8081A
beta-BHC	U	0.00005	mg/L	5E-05	SW846-8081A
delta-BHC	U	0.00005	mg/L	5E-05	SW846-8081A
Dieldrin	U	0.0001	mg/L	0.0001	SW846-8081A
Disulfoton	U	0.0005	mg/L	0.0005	SW846-8141
Endosulfan I	U	0.00005	mg/L	5E-05	SW846-8081A
Endosulfan II	U	0.0001	mg/L	0.0001	SW846-8081A
Endosulfan sulfate	U	0.0001	mg/L	0.0001	SW846-8081A
Endrin	U	0.0001	mg/L	0.0001	SW846-8081A
Endrin aldehyde	U	0.0001	mg/L	0.0001	SW846-8081A
Famphur	U	0.0012	mg/L	0.0012	SW846-8141
gamma-Chlordane	U	0.00005	mg/L	5E-05	SW846-8081A
Heptachlor	U	0.00005	mg/L	5E-05	SW846-8081A
Heptachlor epoxide	U	0.00005	mg/L	5E-05	SW846-8081A
Kepone	U	0.0005	mg/L	0.0005	SW846-8081A
Lindane	U	0.00005	mg/L	5E-05	SW846-8081A
Methoxychlor	U	0.0005	mg/L	0.0005	SW846-8081A
Methyl parathion	U	0.0005	mg/L	0.0005	SW846-8141
Parathion	U	0.0005	mg/L	0.0005	SW846-8141
PCB-1016	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1221	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1232	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1242	U	0.00013	mg/L	0.0001	SW846-8082
PCB-1248	U	0.00015	mg/L	0.0002	SW846-8082
PCB-1254	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1260	U	0.00009	mg/L	9E-05	SW846-8082
PCB-1268	U	0.0001	mg/L	0.0001	SW846-8082
Phorate	U	0.0005	mg/L	0.0005	SW846-8141
Polychlorinated biphenyl	U	0.00017	mg/L	0.0002	SW846-8082
Sulfotepp	U	0.0005	mg/L	0.0005	SW846-8141
Thionazin	U	0.0005	mg/L	0.0005	SW846-8141
Toxaphene	U	0.005	mg/L	0.005	SW846-8081A

**RADS**

Alpha activity	U	0.416	pCi/L	0.231	8.69	EPA-900.0
Beta activity	U	5.2	pCi/L	1.01	5.63	EPA-900.0
Strontium-90	U	-0.898	pCi/L	0.205	17.5	RL-7145
Technetium-99	U	14.8	pCi/L	13	18.6	RL-7100
Tritium	U	8.72	pCi/L	159	266	704R5

**SVOA**

1,2,4,5-Tetrachlorobenzene	U	0.01	mg/L	0.01	SW846-8270C
1,2,4-Trichlorobenzene	U	0.01	mg/L	0.01	SW846-8270C
1,3,5-Trinitrobenzene	U	0.01	mg/L	0.01	SW846-8270C
1,3-Dinitrobenzene	U	0.01	mg/L	0.01	SW846-8270C
1,4-Dioxane	J	0.0005	mg/L	0.01	SW846-8270C
1,4-Naphthoquinone	U	0.01	mg/L	0.01	SW846-8270C
1-Naphthalenamine	U	0.01	mg/L	0.01	SW846-8270C
2,3,4,6-Tetrachlorophenol	U	0.01	mg/L	0.01	SW846-8270C
2,4,5-Trichlorophenol	U	0.025	mg/L	0.025	SW846-8270C
2,4,6-Trichlorophenol	U	0.01	mg/L	0.01	SW846-8270C
2,4-Dichlorophenol	U	0.01	mg/L	0.01	SW846-8270C

## MW397

## SG02-06

## C-746-S&amp;T MW Abandonment and Replacement - Event 2 SG02-06

2,4-Dimethylphenol	U	0.01	mg/L	0.01	SW846-8270C
2,4-Dinitrophenol	U	0.025	mg/L	0.025	SW846-8270C
2,4-Dinitrotoluene	U	0.01	mg/L	0.01	SW846-8270C
2,6-Dichlorophenol	U	0.01	mg/L	0.01	SW846-8270C
2,6-Dinitrotoluene	U	0.01	mg/L	0.01	SW846-8270C
2-Acetylaminofluorene	U	0.01	mg/L	0.01	SW846-8270C
2-Chloronaphthalene	U	0.01	mg/L	0.01	SW846-8270C
2-Chlorophenol	U	0.01	mg/L	0.01	SW846-8270C
2-Methyl-4,6-dinitrophenol	U	0.025	mg/L	0.025	SW846-8270C
2-Methylnaphthalene	U	0.01	mg/L	0.01	SW846-8270C
2-Methylphenol	U	0.01	mg/L	0.01	SW846-8270C
2-Nitrobenzenamine	U	0.025	mg/L	0.025	SW846-8270C
2-Nitrophenol	U	0.01	mg/L	0.01	SW846-8270C
3,3'-Dichlorobenzidine	U	0.01	mg/L	0.01	SW846-8270C
3,3'-Dimethylbenzidine	U	0.01	mg/L	0.01	SW846-8270C
3-Methylcholanthrene	U	0.01	mg/L	0.01	SW846-8270C
3-Methylphenol	U	0.01	mg/L	0.01	SW846-8270C
3-Nitrobenzenamine	U	0.025	mg/L	0.025	SW846-8270C
4-Aminobiphenyl	U	0.01	mg/L	0.01	SW846-8270C
4-Bromophenyl phenyl ether	U	0.01	mg/L	0.01	SW846-8270C
4-Chloro-3-methylphenol	U	0.01	mg/L	0.01	SW846-8270C
4-Chlorobenzenamine	U	0.01	mg/L	0.01	SW846-8270C
4-Chlorophenyl phenyl ether	U	0.01	mg/L	0.01	SW846-8270C
4-Nitrobenzenamine	U	0.025	mg/L	0.025	SW846-8270C
4-Nitrophenol	U	0.025	mg/L	0.025	SW846-8270C
5-(2-Propenyl)-1,3-benzodioxole (Safr	U	0.01	mg/L	0.01	SW846-8270C
5-Nitro-o-toluidine	U	0.01	mg/L	0.01	SW846-8270C
7,12-Dimethylbenz(a)anthracene	U	0.01	mg/L	0.01	SW846-8270C
Acenaphthene	U	0.01	mg/L	0.01	SW846-8270C
Acenaphthylene	U	0.01	mg/L	0.01	SW846-8270C
Acetophenone	U	0.01	mg/L	0.01	SW846-8270C
Anthracene	U	0.01	mg/L	0.01	SW846-8270C
Benz(a)anthracene	U	0.01	mg/L	0.01	SW846-8270C
Benzenemethanol	U	0.01	mg/L	0.01	SW846-8270C
Benzo(a)pyrene	U	0.01	mg/L	0.01	SW846-8270C
Benzo(b)fluoranthene	U	0.01	mg/L	0.01	SW846-8270C
Benzo(ghi)perylene	U	0.01	mg/L	0.01	SW846-8270C
Benzo(k)fluoranthene	U	0.01	mg/L	0.01	SW846-8270C
Bis(2-chloroethoxy)methane	U	0.01	mg/L	0.01	SW846-8270C
Bis(2-chloroethyl) ether	U	0.01	mg/L	0.01	SW846-8270C
Bis(2-chloroisopropyl) ether	U	0.01	mg/L	0.01	SW846-8270C
Bis(2-ethylhexyl)phthalate	JB	0.0006	mg/L	0.01	SW846-8270C
Butyl benzyl phthalate	U	0.01	mg/L	0.01	SW846-8270C
Chlorobenzilate	U	0.01	mg/L	0.01	SW846-8270C
Chrysene	U	0.01	mg/L	0.01	SW846-8270C
Diallate	U	0.01	mg/L	0.01	SW846-8270C
Dibenz(a,h)anthracene	U	0.01	mg/L	0.01	SW846-8270C
Dibenzofuran	U	0.01	mg/L	0.01	SW846-8270C
Diethyl phthalate	U	0.01	mg/L	0.01	SW846-8270C
Dimethoate	U	0.0005	mg/L	0.0005	SW846-8141
Dimethyl phthalate	U	0.01	mg/L	0.01	SW846-8270C
Di-n-butyl phthalate	JB	0.001	mg/L	0.01	SW846-8270C
Di-n-octylphthalate	U	0.01	mg/L	0.01	SW846-8270C
Ethyl methanesulfonate	U	0.01	mg/L	0.01	SW846-8270C
Fluoranthene	U	0.01	mg/L	0.01	SW846-8270C

**MW397****SG02-06****C-746-S&T MW Abandonment and Replacement - Event 2 SG02-06**

Fluorene	U	0.01 mg/L	0.01	SW846-8270C
Hexachloro-1-propene	U	0.01 mg/L	0.01	SW846-8270C
Hexachlorobenzene	U	0.01 mg/L	0.01	SW846-8270C
Hexachlorobutadiene	U	0.01 mg/L	0.01	SW846-8270C
Hexachlorocyclopentadiene	U	0.01 mg/L	0.01	SW846-8270C
Hexachloroethane	U	0.01 mg/L	0.01	SW846-8270C
Indeno(1,2,3-cd)pyrene	U	0.01 mg/L	0.01	SW846-8270C
Isodrin	U	0.01 mg/L	0.01	SW846-8270C
Isodrin	U	0.0001 mg/L	0.0001	SW846-8081A
Isophorone	U	0.01 mg/L	0.01	SW846-8270C
Isosafrole	U	0.01 mg/L	0.01	SW846-8270C
Methapyrilene	U	0.01 mg/L	0.01	SW846-8270C
Methyl methanesulfonate	U	0.01 mg/L	0.01	SW846-8270C
Naphthalene	U	0.01 mg/L	0.01	SW846-8270C
Nitrobenzene	U	0.01 mg/L	0.01	SW846-8270C
N-Nitrosodiethylamine	U	0.01 mg/L	0.01	SW846-8270C
N-Nitrosodimethylamine	U	0.01 mg/L	0.01	SW846-8270C
N-Nitroso-di-n-butylamine	U	0.01 mg/L	0.01	SW846-8270C
N-Nitroso-di-n-propylamine	U	0.01 mg/L	0.01	SW846-8270C
N-Nitrosodiphenylamine	U	0.01 mg/L	0.01	SW846-8270C
N-Nitrosomethylethylamine	U	0.01 mg/L	0.01	SW846-8270C
N-Nitrosopiperidine	U	0.05 mg/L	0.05	SW846-8270C
N-Nitrosopyrrolidine	U	0.01 mg/L	0.01	SW846-8270C
O,O,O-Triethylphosphorothioate	U	0.0005 mg/L	0.0005	SW846-8141
o-Toluidine	U	0.01 mg/L	0.01	SW846-8270C
p-Dimethylaminoazobenzene	U	0.01 mg/L	0.01	SW846-8270C
Pentachlorobenzene	U	0.01 mg/L	0.01	SW846-8270C
Pentachloroethane	U	0.01 mg/L	0.01	SW846-8270C
Pentachloronitrobenzene	U	0.05 mg/L	0.05	SW846-8270C
Pentachlorophenol	U	0.025 mg/L	0.025	SW846-8270C
Phenacetin	U	0.01 mg/L	0.01	SW846-8270C
Phenanthrene	U	0.01 mg/L	0.01	SW846-8270C
Phenol	U	0.01 mg/L	0.01	SW846-8270C
p-Phenylenediamine	U	0.01 mg/L	0.01	SW846-8270C
Pronamide	U	0.01 mg/L	0.01	SW846-8270C
Pyrene	U	0.01 mg/L	0.01	SW846-8270C
<b>VOA</b>				
2-Naphthalenamine	U	0.01 mg/L	0.01	SW846-8270C
Ethanol	U	5 mg/L	5	SW846-8015B
<b>WETCHEM</b>				
Bicarbonate as CaCO3		78 mg/L	10	SM-2320 B 17
Chemical Oxygen Demand (COD)	U	35 mg/L	35	EPA-410.4 1978
Cyanide	UX	0.02 mg/L	0.02	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Sulfide	UX	4 mg/L	4	EPA-376.1
Total Organic Carbon (TOC)	UX	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	BU	0.05 mg/L	0.05	SW846-9020B
Turbidity		3.8 NTU	0.5	EPA-180.1 1978

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**MW384**

**SG02-07**

**'46-S&T MW Abandonment and Replacement - Event 1:Ra/Iodine SG02**

**MW384SG5-02**

Collected: 8/13/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.65	Inches/Hg			
Conductivity		1351	umho/cm			
Depth to Water		37.86	ft			
Dissolved Oxygen		0.29	mg/L			
pH		6.8	Std Unit			
Temperature		68.3	deg F			
<b>RADS</b>						
Iodine-131	U	-0.121	pCi/L	0.242	4.32	RL-7124
Radium	U	0.527	pCi/L	0.0817	0.551	RL-7113

**MW384DSG5-02**

Collected: 8/13/2002

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.65	Inches/Hg			
Conductivity		1351	umho/cm			
Depth to Water		37.86	ft			
Dissolved Oxygen		0.29	mg/L			
pH		6.8	Std Unit			
Temperature		68.3	deg F			
<b>RADS</b>						
Iodine-131	U	1.86	pCi/L	3.73	4.71	RL-7124
Radium	U	0.545	pCi/L	0.0821	0.551	RL-7113

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**MW385**

**SG02-07**

**'46-S&T MW Abandonment and Replacement - Event 1:Ra/Iodine SG02**

**MW385SG5-02**

Collected: 8/14/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.56	Inches/Hg			
Conductivity		413	umho/cm			
Depth to Water		38.28	ft			
Dissolved Oxygen		1.36	mg/L			
pH		6.6	Std Unit			
Redox		145	mV			
Temperature		63.3	deg F			
<b>RADS</b>						
Iodine-131	U	0.133	pCi/L	0.267	4.73	RL-7124
Radium	U	0.509	pCi/L	0.081	0.551	RL-7113



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**MW386**

**SG02-07**

**'46-S&T MW Abandonment and Replacement - Event 1:Ra/Iodine SG02**

**MW386SG5-02**

Collected: 8/14/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.56	Inches/Hg			
Conductivity		495	umho/cm			
Depth to Water		27.09	ft			
Dissolved Oxygen		1.6	mg/L			
pH		6.2	Std Unit			
Redox		140	mV			
Temperature		63.5	deg F			
<b>RADS</b>						
Iodine-131	U	1.67	pCi/L	3.33	4.71	RL-7124
Radium	U	-0.377	pCi/L	0	0.551	RL-7113

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MW387

SG02-07

'46-S&T MW Abandonment and Replacement - Event 1:Ra/Iodine SG02

MW387SG5-02

Collected: 8/14/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.41	Inches/Hg			
Conductivity		460	umho/cm			
Depth to Water		36.1	ft			
Dissolved Oxygen		4.06	mg/L			
pH		5.93	Std Unit			
Redox		85	mV			
Temperature		62.3	deg F			
<b>RADS</b>						
Iodine-131	U	0.74	pCi/L	1.48	4.33	RL-7124
Radium	U	0.437	pCi/L	0.0789	0.551	RL-7113

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**MW388**

**SG02-07**

**'46-S&T MW Abandonment and Replacement - Event 1:Ra/Iodine SG02**

**MW388SG5-02**

Collected: 8/14/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.44	Inches/Hg			
Conductivity		383	umho/cm			
Depth to Water		36.1	ft			
Dissolved Oxygen		6.59	mg/L			
pH		5.9	Std Unit			
Redox		130	mV			
Temperature		62.5	deg F			
<b>RADS</b>						
Iodine-131	U	0.953	pCi/L	1.91	4.39	RL-7124
Radium	U	0.41	pCi/L	0.078	0.551	RL-7113

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MW390

SG02-07

'46-S&T MW Abandonment and Replacement - Event 1:Ra/Iodine SG02

MW390SG5-02

Collected: 8/14/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.56	Inches/Hg			
Conductivity		1309	umho/cm			
Depth to Water		33.14	ft			
Dissolved Oxygen		1.01	mg/L			
pH		6.18	Std Unit			
Temperature		63	deg F			
<b>RADS</b>						
Iodine-131	U	-1.13	pCi/L	2.26	4.26	RL-7124
Radium	U	-0.0692	pCi/L	0	0.551	RL-7113

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MW391

SG02-07

'46-S&T MW Abandonment and Replacement - Event 1:Ra/Iodine SG02

MW391SG5-02

Collected: 8/13/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.65	Inches/Hg			
Conductivity		342	umho/cm			
Depth to Water		39.34	ft			
Dissolved Oxygen		4.15	mg/L			
pH		6.09	Std Unit			
Redox		140	mV			
Temperature		63.7	deg F			
<b>RADS</b>						
Iodine-131	U	-0.994	pCi/L	1.99	4.52	RL-7124
Radium	U	0.514	pCi/L	0.0812	0.551	RL-7113

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**MW392**

**SG02-07**

**'46-S&T MW Abandonment and Replacement - Event 1:Ra/Iodine SG02**

**MW392SG5-02**

Collected: 8/13/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.65	Inches/Hg			
Conductivity		450	umho/cm			
Depth to Water		38.49	ft			
Dissolved Oxygen		1.21	mg/L			
pH		6.45	Std Unit			
Temperature		62	deg F			
<b>RADS</b>						
Iodine-131	U	-1.1	pCi/L	2.2	21.6	RL-7124
Radium	U	0.424	pCi/L	0.0784	0.551	RL-7113

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MW393

SG02-07

'46-S&T MW Abandonment and Replacement - Event 1:Ra/Iodine SG02

MW393SG5-02

Collected: 8/13/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.65	Inches/Hg			
Conductivity		627	umho/cm			
Depth to Water		25.37	ft			
Dissolved Oxygen		1.14	mg/L			
pH		6.32	Std Unit			
Temperature		63	deg F			
<b>RADS</b>						
Iodine-131	U	2.36	pCi/L	4.72	4.78	RL-7124
Radium	U	-0.412	pCi/L	0	0.551	RL-7113

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**MW394**

**SG02-07**

**'46-S&T MW Abandonment and Replacement - Event 1:Ra/Iodine SG02**

**MW394SG5-02**

Collected: 8/13/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.47	Inches/Hg			
Conductivity		406	umho/cm			
Depth to Water		50.67	ft			
Dissolved Oxygen		6.09	mg/L			
pH		5.8	Std Unit			
Redox		90	mV			
Temperature		61.7	deg F			
<b>RADS</b>						
Iodine-131	U	1.09	pCi/L	2.19	3.73	RL-7124
Radium	U	0.513	pCi/L	0.0812	0.551	RL-7113



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MW395

SG02-07

'46-S&T MW Abandonment and Replacement - Event 1:Ra/Iodine SG02

MW395SG5-02

Collected: 8/13/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.47	Inches/Hg			
Conductivity		405	umho/cm			
Depth to Water		51.38	ft			
Dissolved Oxygen		7.29	mg/L			
pH		5.8	Std Unit			
Redox		80	mV			
Temperature		61.6	deg F			
<b>RADS</b>						
Iodine-131	U	0.0892	pCi/L	0.178	4.45	RL-7124
Radium	U	-0.417	pCi/L	0	0.551	RL-7113

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**MW396**

**SG02-07**

**'46-S&T MW Abandonment and Replacement - Event 1:Ra/Iodine SG02**

**MW396SG5-02**

Collected: 8/13/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.47	Inches/Hg			
Conductivity		784	umho/cm			
Depth to Water		11.75	ft			
Dissolved Oxygen		5.45	mg/L			
pH		6.17	Std Unit			
Redox		60	mV			
Temperature		62	deg F			
<b>RADS</b>						
Iodine-131	U	0.0729	pCi/L	0.146	3.78	RL-7124
Radium	U	-0.401	pCi/L	0	0.551	RL-7113

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**MW397**

**SG02-07**

**'46-S&T MW Abandonment and Replacement - Event 1:Ra/Iodine SG02**

**MW397SG5-02**

Collected: 8/13/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.47	Inches/Hg			
Conductivity		322	umho/cm			
Depth to Water		59.25	ft			
Dissolved Oxygen		11.56	mg/L			
pH		5.84	Std Unit			
Redox		115	mV			
Temperature		62.6	deg F			
<b>RADS</b>						
Iodine-131	U	2.26	pCi/L	4.51	4.8	RL-7124
Radium	U	0.479	pCi/L	0.0803	0.551	RL-7113

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**MW384**

**SG02-08**

**'46-S&T MW Abandonment and Replacement - Event 2:Ra/Iodine SG02**

**MW384SG6-02**

Collected: 9/17/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.62	Inches/Hg			
Conductivity		1020	umho/cm			
Depth to Water		39.72	ft			
Dissolved Oxygen		0.49	mg/L			
pH		6.7	Std Unit			
Temperature		63.4	deg F			
<b>RADS</b>						
Iodine-131	U	3.66	pCi/L	7.32	6.25	RL-7124
Radium	U	-0.368	pCi/L	0	0.411	RL-7113

**MW385**

**SG02-08**

**'46-S&T MW Abandonment and Replacement - Event 2:Ra/Iodine SG02**

**MW385SG6-02**

Collected: 9/17/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.62	Inches/Hg			
Conductivity		393	umho/cm			
Depth to Water		40.09	ft			
Dissolved Oxygen		0.69	mg/L			
pH		7.1	Std Unit			
Redox		120	mV			
Temperature		64.2	deg F			
<b>RADS</b>						
Iodine-131	U	2.69	pCi/L	5.38	6.55	RL-7124
Radium		0.419	pCi/L	0.0765	0.411	RL-7113

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MW386

SG02-08

'46-S&T MW Abandonment and Replacement - Event 2:Ra/Iodine SG02

MW386SG6-02

Collected: 9/17/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.62	Inches/Hg			
Conductivity		506	umho/cm			
Depth to Water		24.33	ft			
Dissolved Oxygen		0.45	mg/L			
pH		6.4	Std Unit			
Temperature		64.6	deg F			
<b>RADS</b>						
Iodine-131	U	-0.283	pCi/L	0.566	6.48	RL-7124
Radium	U	-0.368	pCi/L	0	0.411	RL-7113

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**MW387**

**SG02-08**

**'46-S&T MW Abandonment and Replacement - Event 2:Ra/Iodine SG02**

**MW387SG6-02**

Collected: 9/16/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.53	Inches/Hg			
Conductivity		441	umho/cm			
Depth to Water		38	ft			
Dissolved Oxygen		4.65	mg/L			
pH		6.03	Std Unit			
Redox		115	mV			
Temperature		64.4	deg F			
<b>RADS</b>						
Iodine-131	U	1.19	pCi/L	2.39	4.7	RL-7124
Radium	U	0.198	pCi/L	0.0676	0.429	RL-7113

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MW388

SG02-08

'46-S&T MW Abandonment and Replacement - Event 2:Ra/Iodine SG02

MW388SG6-02

Collected: 9/17/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.47	Inches/Hg			
Conductivity		377	umho/cm			
Depth to Water		37.97	ft			
Dissolved Oxygen		5.62	mg/L			
pH		5.98	Std Unit			
Redox		135	mV			
Temperature		62.3	deg F			
<b>RADS</b>						
Iodine-131	U	-1.61	pCi/L	3.22	5.59	RL-7124
Radium	U	-0.281	pCi/L	0	0.411	RL-7113



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MW390

SG02-08

'46-S&T MW Abandonment and Replacement - Event 2:Ra/Iodine SG02

MW390SG6-02

Collected: 9/17/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.5	Inches/Hg			
Conductivity		1363	umho/cm			
Depth to Water		35.02	ft			
Dissolved Oxygen		0.14	mg/L			
pH		6.24	Std Unit			
Temperature		62.3	deg F			
<b>RADS</b>						
Iodine-131	U	3.91	pCi/L	7.81	6.53	RL-7124
Radium	U	-0.368	pCi/L	0	0.411	RL-7113

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**MW391**

**SG02-08**

**'46-S&T MW Abandonment and Replacement - Event 2:Ra/Iodine SG02**

**MW391SG6-02**

Collected: 9/16/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.68	Inches/Hg			
Conductivity		338	umho/cm			
Depth to Water		41.14	ft			
Dissolved Oxygen		4.2	mg/L			
pH		5.8	Std Unit			
Redox		245	mV			
Temperature		61.9	deg F			
<b>RADS</b>						
Iodine-131	U	1.57	pCi/L	3.15	4.23	RL-7124
Radium	U	-0.38	pCi/L	0	0.429	RL-7113

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**MW392**

**SG02-08**

**'46-S&T MW Abandonment and Replacement - Event 2:Ra/Iodine SG02**

**MW392SG6-02**

Collected: 9/17/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.62	Inches/Hg			
Conductivity		482	umho/cm			
Depth to Water		40.22	ft			
Dissolved Oxygen		0.77	mg/L			
pH		6.3	Std Unit			
Temperature		63.1	deg F			
<b>RADS</b>						
Iodine-131	U	0.515	pCi/L	1.03	5.86	RL-7124
Radium	U	-0.367	pCi/L	0	0.411	RL-7113

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MW393

SG02-08

'46-S&T MW Abandonment and Replacement - Event 2:Ra/Iodine SG02

MW393SG6-02

Collected: 9/16/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.68	Inches/Hg			
Conductivity		803	umho/cm			
Depth to Water		25.54	ft			
Dissolved Oxygen		0.67	mg/L			
pH		6.22	Std Unit			
Temperature		63.9	deg F			
<b>RADS</b>						
Iodine-131	U	-0.683	pCi/L	1.37	4.46	RL-7124
Radium	U	-0.38	pCi/L	0	0.429	RL-7113

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**MW394**

**SG02-08**

**'46-S&T MW Abandonment and Replacement - Event 2:Ra/Iodine SG02**

**MW394SG6-02**

Collected: 9/16/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.68	Inches/Hg			
Conductivity		418	umho/cm			
Depth to Water		52.52	ft			
Dissolved Oxygen		3.85	mg/L			
pH		5.9	Std Unit			
Redox		240	mV			
Temperature		62	deg F			
<b>RADS</b>						
Iodine-131	U	-0.641	pCi/L	1.28	3.78	RL-7124
Radium	U	-0.38	pCi/L	0	0.429	RL-7113

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MW395

SG02-08

'46-S&T MW Abandonment and Replacement - Event 2:Ra/Iodine SG02

MW395SG6-02

Collected: 9/16/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.68	Inches/Hg			
Conductivity		401	umho/cm			
Depth to Water		53.16	ft			
Dissolved Oxygen		3.23	mg/L			
pH		6	Std Unit			
Redox		145	mV			
Temperature		63.7	deg F			
<b>RADS</b>						
Iodine-131	U	-4.21	pCi/L	8.41	4.35	RL-7124
Radium	U	-0.38	pCi/L	0	0.429	RL-7113

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**MW396**

**SG02-08**

**'46-S&T MW Abandonment and Replacement - Event 2:Ra/Iodine SG02**

**MW396SG6-02**

Collected: 9/16/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.68	Inches/Hg			
Conductivity		870	umho/cm			
Depth to Water		12.8	ft			
Dissolved Oxygen		0.4	mg/L			
pH		6.4	Std Unit			
Temperature		65.5	deg F			
<b>RADS</b>						
Iodine-131	U	-1.54	pCi/L	3.08	4.45	RL-7124
Radium	U	-0.38	pCi/L	0	0.429	RL-7113

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**MW397**

**SG02-08**

**'46-S&T MW Abandonment and Replacement - Event 2:Ra/Iodine SG02**

**MW397SG6-02**

Collected: 9/16/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.56	Inches/Hg			
Conductivity		315	umho/cm			
Depth to Water		61.1	ft			
Dissolved Oxygen		5.86	mg/L			
pH		5.91	Std Unit			
Redox		120	mV			
Temperature		62.3	deg F			
<b>RADS</b>						
Iodine-131	U	0.495	pCi/L	0.99	4.13	RL-7124
Radium		0.466	pCi/L	0.0767	0.429	RL-7113

**MW397DSG6-02**

Collected: 9/16/2002

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.56	Inches/Hg			
Conductivity		315	umho/cm			
Depth to Water		61.1	ft			
Dissolved Oxygen		5.86	mg/L			
pH		5.91	Std Unit			
Redox		120	mV			
Temperature		62.3	deg F			
<b>RADS</b>						
Iodine-131	U	-1.14	pCi/L	2.28	4.21	RL-7124
Radium	U	-0.38	pCi/L	0	0.429	RL-7113



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MW179

SG03-01

C-746 S&T QUARTERLY - OCTOBER SG03-01

MW179SG1-03

Collected: 10/14/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		40.2	mg/L		2	SW846-9056
Fluoride		0.2	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate	*	207.4	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.74	Inches/Hg			
Conductivity		873	umho/cm			
Depth to Water		35.1	ft			
Dissolved Oxygen		1.91	mg/L			
pH		5.96	Std Unit			
Redox		145	mV			
Temperature		60.6	deg F			
<b>METAL</b>						
Aluminum	JNU	0.2	mg/L		0.2	SW846-6020
Antimony	UX	0.005	mg/L		0.005	SW846-6020
Barium		0.0266	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	J	1.2	mg/L		0.2	SW846-6020
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium	N	79.5	mg/L		10	SW846-6020
Chromium	NU	0.02	mg/L		0.02	SW846-6020
Cobalt	U	0.001	mg/L		0.001	SW846-6020
Copper	NU	0.02	mg/L		0.02	SW846-6020
Iron	NU	0.2	mg/L		0.2	SW846-6020
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		24.9	mg/L		2	SW846-6020
Manganese		0.00577	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BUX	0.001	mg/L		0.001	SW846-6020
Nickel	BNU	0.005	mg/L		0.005	SW846-6020
Potassium	N	1.53	mg/L		0.2	SW846-6020
Rhodium	UX	0.005	mg/L		0.005	SW846-6020
Selenium		0.00585	mg/L		0.005	SW846-6020
Silver	UX	0.002	mg/L		0.002	SW846-6020
Sodium	N	65.8	mg/L		10	SW846-6020
Tantalum	UX	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.01	mg/L		0.01	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Vanadium	NU	0.02	mg/L		0.02	SW846-6020
Zinc	NU	0.025	mg/L		0.025	SW846-6020
<b>METAL-D</b>						
Barium, Dissolved	B	0.0307	mg/L		0.005	SW846-6020
Selenium, Dissolved	U	0.005	mg/L		0.005	SW846-6020
<b>PHYSC</b>						
Dissolved Solids		559	mg/L		50	EPA-160.2
<b>RADS</b>						
Alpha activity	U	2.95	pCi/L	1.39	13.5	EPA-900.0
Beta activity		39.1	pCi/L	4.52	6.86	EPA-900.0

\*QUALIFIER Codes See attached List.

## MW179

## SG03-01

## C-746 S&amp;T QUARTERLY - OCTOBER SG03-01

Iodine-131	U	0.976	pCi/L	1.95	5.04	RL-7124
Strontium-90	U	-0.691	pCi/L	0.119	6.12	RL-7145
Technetium-99		66.6	pCi/L	13.2	16.1	RL-7100
Thorium-234	U	21.7	pCi/L	43.5	47.6	RL-7124
Tritium	U	-54.9	pCi/L	165	277	704R5
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	JU	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	JU	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	JU	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	JU	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene		0.008	mg/L		0.001	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L		0.005	SW846-8260
Vinyl acetate	JU	0.01	mg/L		0.01	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260

**WETCHEM**

**MW179**

**SG03-01**

**C-746 S&T QUARTERLY - OCTOBER SG03-01**

Chemical Oxygen Demand (COD)	*U	35 mg/L	35	EPA-410.4 1978
Cyanide	U	0.02 mg/L	0.02	SW846-9010-A
Iodide	BU	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.05 mg/L	0.05	SW846-9020B
Turbidity		0.75 NTU	0.5	EPA-180.1 1978

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MW179

SG03-01

C-746 S&T QUARTERLY - OCTOBER SG03-01

MW179DSG1-03

Collected: 10/14/2002

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		40.4	mg/L		2	SW846-9056
Fluoride		0.2	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate	*	206	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.74	Inches/Hg			
Conductivity		873	umho/cm			
Depth to Water		35.1	ft			
Dissolved Oxygen		1.91	mg/L			
pH		5.96	Std Unit			
Redox		145	mV			
Temperature		60.6	deg F			
<b>METAL</b>						
Aluminum	JNU	0.2	mg/L		0.2	SW846-6020
Antimony	UX	0.005	mg/L		0.005	SW846-6020
Barium		0.0252	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	J	1.15	mg/L		0.2	SW846-6020
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium	N	78.4	mg/L		10	SW846-6020
Chromium	NU	0.02	mg/L		0.02	SW846-6020
Cobalt	U	0.001	mg/L		0.001	SW846-6020
Copper	NU	0.02	mg/L		0.02	SW846-6020
Iron	NU	0.2	mg/L		0.2	SW846-6020
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		24.6	mg/L		2	SW846-6020
Manganese	NU	0.005	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BUX	0.001	mg/L		0.001	SW846-6020
Nickel	BNU	0.005	mg/L		0.005	SW846-6020
Potassium	N	1.49	mg/L		0.2	SW846-6020
Rhodium	UX	0.005	mg/L		0.005	SW846-6020
Selenium		0.00614	mg/L		0.005	SW846-6020
Silver	UX	0.002	mg/L		0.002	SW846-6020
Sodium	N	65.7	mg/L		10	SW846-6020
Tantalum	UX	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.01	mg/L		0.01	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Vanadium	NU	0.02	mg/L		0.02	SW846-6020
Zinc	NU	0.025	mg/L		0.025	SW846-6020
<b>METAL-D</b>						
Barium, Dissolved	B	0.0284	mg/L		0.005	SW846-6020
Selenium, Dissolved	U	0.005	mg/L		0.005	SW846-6020
<b>PHYSC</b>						
Dissolved Solids	*	489	mg/L		50	EPA-160.2
<b>RADS</b>						
Alpha activity	U	4.8	pCi/L	2.15	14	EPA-900.0
Beta activity		39.1	pCi/L	4.54	6.97	EPA-900.0

## MW179

## SG03-01

## C-746 S&amp;T QUARTERLY - OCTOBER SG03-01

Iodine-131	U	-0.709	pCi/L	1.42	4.52	RL-7124
Strontium-90	U	0	pCi/L	0	6.12	RL-7145
Technetium-99		62.2	pCi/L	13	16.1	RL-7100
Thorium-234	U	11.5	pCi/L	23.1	47.7	RL-7124
Tritium	U	-101	pCi/L	164	277	704R5
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	JUX	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	JU	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	JU	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	JU	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	JU	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene		0.008	mg/L		0.001	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L		0.005	SW846-8260
Vinyl acetate	JU	0.01	mg/L		0.01	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260

**WETCHEM**

**MW179**

**SG03-01**

**C-746 S&T QUARTERLY - OCTOBER SG03-01**

Chemical Oxygen Demand (COD)	*U	35 mg/L	35	EPA-410.4 1978
Cyanide	U	0.02 mg/L	0.02	SW846-9010-A
Iodide	BU	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.05 mg/L	0.05	SW846-9020B
Turbidity		1 NTU	0.5	EPA-180.1 1978

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MW220

SG03-01

C-746 S&T QUARTERLY - OCTOBER SG03-01

MW220SG1-03

Collected: 10/14/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		44.6	mg/L		2	SW846-9056
Fluoride		0.19	mg/L		0.1	9214
Nitrate as Nitrogen		1.5	mg/L		1	SW846-9056
Sulfate	*	10.4	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.94	Inches/Hg			
Conductivity		368	umho/cm			
Depth to Water		65.72	ft			
Dissolved Oxygen		6.79	mg/L			
pH		6.04	Std Unit			
Redox		205	mV			
Temperature		61.6	deg F			
<b>METAL</b>						
Aluminum	JU	0.2	mg/L		0.2	SW846-6020
Antimony	U	0.005	mg/L		0.005	SW846-6020
Barium	N	0.205	mg/L		0.05	SW846-6020
Beryllium	NU	0.001	mg/L		0.001	SW846-6020
Boron	JU	0.2	mg/L		0.2	SW846-6020
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		23.6	mg/L		10	SW846-6020
Chromium	N	0.0351	mg/L		0.02	SW846-6020
Cobalt		0.0041	mg/L		0.001	SW846-6020
Copper	BN	0.0211	mg/L		0.02	SW846-6020
Iron	NUW	0.2	mg/L		0.2	SW846-6020
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium	JX	9.16	mg/L		0.2	SW846-6020
Manganese		0.0306	mg/L		0.005	SW846-6020
Mercury	BUW	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	B	0.00558	mg/L		0.001	SW846-6020
Nickel	N	0.418	mg/L		0.05	SW846-6020
Potassium	NW	6.7	mg/L		0.2	SW846-6020
Selenium	U	0.005	mg/L		0.005	SW846-6020
Silver	U	0.002	mg/L		0.002	SW846-6020
Sodium		35.4	mg/L		10	SW846-6020
Thallium	U	0.01	mg/L		0.01	SW846-6020
Uranium	NU	0.001	mg/L		0.001	SW846-6020
Vanadium	NU	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.025	mg/L		0.025	SW846-6020
<b>METAL-D</b>						
Barium, Dissolved	N	0.205	mg/L		0.05	SW846-6020
Chromium, Dissolved	NU	0.02	mg/L		0.02	SW846-6020
<b>PHYSC</b>						
Dissolved Solids		208	mg/L		100	EPA-160.2
<b>RADS</b>						
Alpha activity	U	0.658	pCi/L	0.365	7.72	EPA-900.0
Beta activity		15.2	pCi/L	2.28	5.55	EPA-900.0
Iodine-131	U	-5.91	pCi/L	11.8	26.2	RL-7124
Strontium-90	U	-4.31	pCi/L	0.833	7.35	RL-7145

## MW220

## SG03-01

## C-746 S&amp;T QUARTERLY - OCTOBER SG03-01

Technetium-99		19.7	pCi/L	11.6	16.1	RL-7100
Thorium-234	U	-25.5	pCi/L	51.1	288	RL-7124
Tritium	U	-2.2	pCi/L	165	276	704R5
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	JU	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	JU	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	JU	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	JU	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene	U	0.001	mg/L		0.001	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L		0.005	SW846-8260
Vinyl acetate	JU	0.01	mg/L		0.01	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260
<b>WETCHEM</b>						
Chemical Oxygen Demand (COD)	*U	35	mg/L		35	EPA-410.4 1978
Cyanide	U	0.02	mg/L		0.02	SW846-9010-A



**MW220**

**SG03-01**

**C-746 S&T QUARTERLY - OCTOBER SG03-01**

Iodide	BU	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.05 mg/L	0.05	SW846-9020B
Turbidity		2.8 NTU	0.5	EPA-180.1 1978

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MW221

SG03-01

C-746 S&T QUARTERLY - OCTOBER SG03-01

MW221SG1-03

Collected: 10/14/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		46.1	mg/L		2	SW846-9056
Fluoride		0.19	mg/L		0.1	9214
Nitrate as Nitrogen		1.8	mg/L		1	SW846-9056
Sulfate	*	12.2	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.94	Inches/Hg			
Conductivity		405	umho/cm			
Depth to Water		66.62	ft			
Dissolved Oxygen		5.12	mg/L			
pH		5.99	Std Unit			
Redox		180	mV			
Temperature		61.5	deg F			
<b>METAL</b>						
Aluminum	JNU	0.2	mg/L		0.2	SW846-6020
Antimony	UX	0.005	mg/L		0.005	SW846-6020
Barium		0.214	mg/L		0.05	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	JU	0.2	mg/L		0.2	SW846-6020
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium	N	22.9	mg/L		10	SW846-6020
Chromium	N	0.0226	mg/L		0.02	SW846-6020
Cobalt		0.00152	mg/L		0.001	SW846-6020
Copper	N	0.0505	mg/L		0.02	SW846-6020
Iron	NU	0.2	mg/L		0.2	SW846-6020
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		9.48	mg/L		0.2	SW846-6020
Manganese	N	0.0138	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BX	0.00375	mg/L		0.001	SW846-6020
Nickel	N	0.11	mg/L		0.005	SW846-6020
Potassium	N	2.29	mg/L		0.2	SW846-6020
Rhodium	UX	0.005	mg/L		0.005	SW846-6020
Selenium		0.00633	mg/L		0.005	SW846-6020
Silver	UX	0.002	mg/L		0.002	SW846-6020
Sodium	N	44.7	mg/L		10	SW846-6020
Tantalum	UX	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.01	mg/L		0.01	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Vanadium	NU	0.02	mg/L		0.02	SW846-6020
Zinc	N	0.0273	mg/L		0.025	SW846-6020
<b>METAL-D</b>						
Barium, Dissolved		0.218	mg/L		0.05	SW846-6020
Chromium, Dissolved	NUW	0.02	mg/L		0.02	SW846-6020
Selenium, Dissolved	U	0.005	mg/L		0.005	SW846-6020
<b>PHYSC</b>						
Dissolved Solids		222	mg/L		50	EPA-160.2
<b>RADS</b>						
Alpha activity	U	1.11	pCi/L	0.643	8.21	EPA-900.0

## MW221

## SG03-01

## C-746 S&amp;T QUARTERLY - OCTOBER SG03-01

Beta activity	U	4.43	pCi/L	0.891	5.66	EPA-900.0
Iodine-131	U	0.734	pCi/L	1.47	29.9	RL-7124
Strontium-90	U	1.18	pCi/L	0.189	6.12	RL-7145
Technetium-99	U	11.5	pCi/L	11.3	16.1	RL-7100
Thorium-234	U	-19.4	pCi/L	38.7	297	RL-7124
Tritium	U	-57.1	pCi/L	164	276	704R5
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	JU	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	JU	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	JU	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	JU	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene		0.002	mg/L		0.001	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L		0.005	SW846-8260
Vinyl acetate	JU	0.01	mg/L		0.01	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260

**MW221**

**SG03-01**

**C-746 S&T QUARTERLY - OCTOBER SG03-01**

**WETCHEM**

Chemical Oxygen Demand (COD)	*U	35 mg/L	35	EPA-410.4 1978
Cyanide	U	0.02 mg/L	0.02	SW846-9010-A
Iodide	BU	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.05 mg/L	0.05	SW846-9020B
Turbidity		1.3 NTU	0.5	EPA-180.1 1978

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Paducah-OREIS Data Report

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12/18/2007

MW222

SG03-01

C-746 S&T QUARTERLY - OCTOBER SG03-01

MW222SG1-03

Collected: 10/14/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		37.6	mg/L		2	SW846-9056
Fluoride		0.3	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate	*	11.3	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.94	Inches/Hg			
Conductivity		386	umho/cm			
Depth to Water		70.71	ft			
Dissolved Oxygen		1.32	mg/L			
pH		6.52	Std Unit			
Redox		135	mV			
Temperature		60.4	deg F			
<b>METAL</b>						
Aluminum	JN	3.89	mg/L		0.2	SW846-6020
Antimony	UX	0.005	mg/L		0.005	SW846-6020
Barium		0.332	mg/L		0.05	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	JU	0.2	mg/L		0.2	SW846-6020
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium	N	19.4	mg/L		10	SW846-6020
Chromium	NU	0.02	mg/L		0.02	SW846-6020
Cobalt		0.00763	mg/L		0.001	SW846-6020
Copper	NU	0.02	mg/L		0.02	SW846-6020
Iron	N	6.01	mg/L		0.2	SW846-6020
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		6.69	mg/L		0.2	SW846-6020
Manganese		0.727	mg/L		0.05	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BX	0.00164	mg/L		0.001	SW846-6020
Nickel	BN	0.0544	mg/L		0.005	SW846-6020
Potassium	N	1.33	mg/L		0.2	SW846-6020
Rhodium	UX	0.005	mg/L		0.005	SW846-6020
Selenium		0.00757	mg/L		0.005	SW846-6020
Silver	UX	0.002	mg/L		0.002	SW846-6020
Sodium	N	49.6	mg/L		10	SW846-6020
Tantalum	UX	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.01	mg/L		0.01	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Vanadium	NU	0.02	mg/L		0.02	SW846-6020
Zinc	NU	0.025	mg/L		0.025	SW846-6020
<b>METAL-D</b>						
Barium, Dissolved		0.289	mg/L		0.05	SW846-6020
Selenium, Dissolved	U	0.005	mg/L		0.005	SW846-6020
<b>PHYSC</b>						
Dissolved Solids		247	mg/L		50	EPA-160.2
<b>RADS</b>						
Alpha activity	U	1.69	pCi/L	0.938	8.08	EPA-900.0
Beta activity	U	3.03	pCi/L	0.643	5.63	EPA-900.0

## MW222

## SG03-01

## C-746 S&amp;T QUARTERLY - OCTOBER SG03-01

Iodine-131	U	-1.13	pCi/L	2.26	4.25	RL-7124
Strontium-90	U	-1.42	pCi/L	0.254	6.12	RL-7145
Technetium-99	U	10.4	pCi/L	11.2	16.1	RL-7100
Thorium-234	U	-8.35	pCi/L	16.7	46.6	RL-7124
Tritium	U	-17.6	pCi/L	165	276	704R5
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	JU	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	JU	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	JU	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	JU	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene	U	0.001	mg/L		0.001	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L		0.005	SW846-8260
Vinyl acetate	JU	0.01	mg/L		0.01	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260

**WETCHEM**

**MW222**

**SG03-01**

**C-746 S&T QUARTERLY - OCTOBER SG03-01**

Chemical Oxygen Demand (COD)	*U	35 mg/L	35	EPA-410.4 1978
Cyanide	U	0.02 mg/L	0.02	SW846-9010-A
Iodide	BU	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.05 mg/L	0.05	SW846-9020B
Turbidity	J	50 NTU	0.5	EPA-180.1 1978

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## MW223

## SG03-01

## C-746 S&amp;T QUARTERLY - OCTOBER SG03-01

## MW223SG1-03

Collected: 10/14/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		39.4	mg/L		2	SW846-9056
Fluoride		0.28	mg/L		0.1	9214
Nitrate as Nitrogen		2	mg/L		1	SW846-9056
Sulfate	*	9.5	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.94	Inches/Hg			
Conductivity		380	umho/cm			
Depth to Water		69.78	ft			
Dissolved Oxygen		2.71	mg/L			
pH		6.43	Std Unit			
Redox		190	mV			
Temperature		62.8	deg F			
<b>METAL</b>						
Aluminum	JN	1.67	mg/L		0.2	SW846-6020
Antimony	UX	0.005	mg/L		0.005	SW846-6020
Barium		0.17	mg/L		0.05	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	JU	0.2	mg/L		0.2	SW846-6020
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium	N	20.3	mg/L		10	SW846-6020
Chromium		0.275	mg/L		0.2	SW846-6020
Cobalt		0.00287	mg/L		0.001	SW846-6020
Copper	N	0.0424	mg/L		0.02	SW846-6020
Iron	N	4.04	mg/L		0.2	SW846-6020
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		7.26	mg/L		0.2	SW846-6020
Manganese		0.159	mg/L		0.05	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BX	0.0249	mg/L		0.001	SW846-6020
Nickel		0.404	mg/L		0.05	SW846-6020
Potassium	N	3.83	mg/L		0.2	SW846-6020
Rhodium	UX	0.005	mg/L		0.005	SW846-6020
Selenium		0.00937	mg/L		0.005	SW846-6020
Silver	UX	0.002	mg/L		0.002	SW846-6020
Sodium	N	41.6	mg/L		10	SW846-6020
Tantalum	UX	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.01	mg/L		0.01	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Vanadium	NU	0.02	mg/L		0.02	SW846-6020
Zinc	N	0.0251	mg/L		0.025	SW846-6020
<b>METAL-D</b>						
Barium, Dissolved		0.137	mg/L		0.05	SW846-6020
Chromium, Dissolved	NUW	0.02	mg/L		0.02	SW846-6020
Selenium, Dissolved	U	0.005	mg/L		0.005	SW846-6020
<b>PHYSC</b>						
Dissolved Solids		220	mg/L		100	EPA-160.2
<b>RADS</b>						
Alpha activity	U	-0.493	pCi/L	0.312	8.42	EPA-900.0



## MW223

## SG03-01

## C-746 S&amp;T QUARTERLY - OCTOBER SG03-01

Beta activity		12	pCi/L	1.94	5.7	EPA-900.0
Iodine-131	U	3.81	pCi/L	7.62	31	RL-7124
Strontium-90	U	1.46	pCi/L	0.231	6.12	RL-7145
Technetium-99	U	15.3	pCi/L	11.4	16.1	RL-7100
Thorium-234	U	133	pCi/L	265	301	RL-7124
Tritium	U	-149	pCi/L	163	276	704R5
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	JUX	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	JU	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	JU	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	JU	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	JU	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene	U	0.001	mg/L		0.001	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L		0.005	SW846-8260
Vinyl acetate	JU	0.01	mg/L		0.01	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260

**MW223**

**SG03-01**

**C-746 S&T QUARTERLY - OCTOBER SG03-01**

**WETCHEM**

Chemical Oxygen Demand (COD)	*U	35 mg/L	35	EPA-410.4 1978
Cyanide	U	0.02 mg/L	0.02	SW846-9010-A
Iodide	BU	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.05 mg/L	0.05	SW846-9020B
Turbidity		27 NTU	0.5	EPA-180.1 1978

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## MW224

## SG03-01

## C-746 S&amp;T QUARTERLY - OCTOBER SG03-01

## MW224SG1-03

Collected: 10/14/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		40.1	mg/L		2	SW846-9056
Fluoride		0.28	mg/L		0.1	9214
Nitrate as Nitrogen		1.4	mg/L		1	SW846-9056
Sulfate	*	12.8	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.94	Inches/Hg			
Conductivity		447	umho/cm			
Depth to Water		71.14	ft			
Dissolved Oxygen		3.85	mg/L			
pH		6.01	Std Unit			
Redox		160	mV			
Temperature		61.3	deg F			
<b>METAL</b>						
Aluminum	NU	0.2	mg/L		0.2	SW846-6020
Antimony	UX	0.005	mg/L		0.005	SW846-6020
Barium		0.221	mg/L		0.05	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6020
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium	N	25.3	mg/L		10	SW846-6020
Chromium	NU	0.02	mg/L		0.02	SW846-6020
Cobalt	U	0.001	mg/L		0.001	SW846-6020
Copper	N	0.0212	mg/L		0.02	SW846-6020
Iron	NU	0.2	mg/L		0.2	SW846-6020
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		9.81	mg/L		0.2	SW846-6020
Manganese	N	0.00854	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BX	0.00122	mg/L		0.001	SW846-6020
Nickel	BN	0.0145	mg/L		0.005	SW846-6020
Potassium	N	0.92	mg/L		0.2	SW846-6020
Rhodium	UX	0.005	mg/L		0.005	SW846-6020
Selenium	U	0.005	mg/L		0.005	SW846-6020
Silver	UX	0.002	mg/L		0.002	SW846-6020
Sodium	JN	51.1	mg/L		10	SW846-6020
Tantalum	UX	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.01	mg/L		0.01	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Vanadium	NU	0.02	mg/L		0.02	SW846-6020
Zinc	NU	0.025	mg/L		0.025	SW846-6020
<b>METAL-D</b>						
Barium, Dissolved		0.224	mg/L		0.05	SW846-6020
<b>PHYSC</b>						
Dissolved Solids		261	mg/L		50	EPA-160.2
<b>RADS</b>						
Alpha activity	U	1.7	pCi/L	0.941	9.06	EPA-900.0
Beta activity	U	5.43	pCi/L	1.06	5.84	EPA-900.0
Iodine-131	U	1.3	pCi/L	2.6	4.32	RL-7124

## MW224

## SG03-01

## C-746 S&amp;T QUARTERLY - OCTOBER SG03-01

Strontium-90	U	-0.904	pCi/L	0.157	6.12	RL-7145
Technetium-99	U	5.04	pCi/L	11.1	16.1	RL-7100
Thorium-234	U	-0.221	pCi/L	0.441	45.6	RL-7124
Tritium	U	0	pCi/L	165	276	704R5
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	JU	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	JU	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	JU	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	JU	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene		0.002	mg/L		0.001	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L		0.005	SW846-8260
Vinyl acetate	JU	0.01	mg/L		0.01	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260
<b>WETCHEM</b>						
Chemical Oxygen Demand (COD)	*U	35	mg/L		35	EPA-410.4 1978

**MW224**

**SG03-01**

**C-746 S&T QUARTERLY - OCTOBER SG03-01**

Cyanide	U	0.02 mg/L	0.02	SW846-9010-A
Iodide	BU	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.05 mg/L	0.05	SW846-9020B
Turbidity		0.7 NTU	0.5	EPA-180.1 1978

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## MW263

## SG03-01

## C-746 S&amp;T QUARTERLY - OCTOBER SG03-01

## MW263SG1-03

Collected: 10/15/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		56.4	mg/L		2	SW846-9056
Fluoride		0.19	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		40.7	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.38	Inches/Hg			
Conductivity		523	umho/cm			
Depth to Water		35.45	ft			
Dissolved Oxygen		1.66	mg/L			
pH		6.09	Std Unit			
Redox		190	mV			
Temperature		62.5	deg F			
<b>METAL</b>						
Aluminum	JU	0.2	mg/L		0.2	SW846-6020
Antimony	U	0.005	mg/L		0.005	SW846-6020
Barium	X	0.0747	mg/L		0.005	SW846-6020
Beryllium	NU	0.001	mg/L		0.001	SW846-6020
Boron	J	0.746	mg/L		0.2	SW846-6020
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		38.4	mg/L		10	SW846-6020
Chromium	N	0.0345	mg/L		0.02	SW846-6020
Cobalt	U	0.001	mg/L		0.001	SW846-6020
Copper	BNU	0.02	mg/L		0.02	SW846-6020
Iron	NW	0.719	mg/L		0.2	SW846-6020
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		14.3	mg/L		2	SW846-6020
Manganese	BN	0.00558	mg/L		0.005	SW846-6020
Mercury	BUW	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	B	0.00194	mg/L		0.001	SW846-6020
Nickel	WX	0.0093	mg/L		0.005	SW846-6020
Potassium	NW	2.39	mg/L		0.2	SW846-6020
Selenium		0.00689	mg/L		0.005	SW846-6020
Silver	U	0.002	mg/L		0.002	SW846-6020
Sodium		41.1	mg/L		10	SW846-6020
Thallium	U	0.01	mg/L		0.01	SW846-6020
Uranium	NU	0.001	mg/L		0.001	SW846-6020
Vanadium	NU	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.025	mg/L		0.025	SW846-6020
<b>METAL-D</b>						
Barium, Dissolved	X	0.075	mg/L		0.005	SW846-6020
Chromium, Dissolved	NU	0.02	mg/L		0.02	SW846-6020
Selenium, Dissolved	BU	0.005	mg/L		0.005	SW846-6020
<b>PHYSIC</b>						
Dissolved Solids		297	mg/L		100	EPA-160.2
<b>RADS</b>						
Alpha activity	U	2.39	pCi/L	1.1	9.35	EPA-900.0
Beta activity		36	pCi/L	4.05	5.9	EPA-900.0
Iodine-131	U	13.8	pCi/L	27.7	34.7	RL-7124

**MW263****SG03-01****C-746 S&T QUARTERLY - OCTOBER SG03-01**

Strontium-90	U	0.691	pCi/L	0.112	6.12	RL-7145
Technetium-99		46.6	pCi/L	12.5	16.1	RL-7100
Thorium-234	U	-188	pCi/L	375	285	RL-7124
Tritium	U	-167	pCi/L	162	276	704R5
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	JU	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	JU	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	JU	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene		0.02	mg/L		0.001	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L		0.005	SW846-8260
Vinyl acetate	JU	0.01	mg/L		0.01	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260
<b>WETCHEM</b>						
Chemical Oxygen Demand (COD)	U	35	mg/L		35	EPA-410.4 1978

**MW263**

**SG03-01**

**C-746 S&T QUARTERLY - OCTOBER SG03-01**

Cyanide	U	0.02 mg/L	0.02	SW846-9010-A
Iodide	B	3.2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.05 mg/L	0.05	SW846-9020B
Turbidity		3.7 NTU	0.5	EPA-180.1 1978

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MW264

SG03-01

C-746 S&T QUARTERLY - OCTOBER SG03-01

MW264SG1-03

Collected: 10/14/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		44.3	mg/L		2	SW846-9056
Fluoride		0.15	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate	*	62.8	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.68	Inches/Hg			
Conductivity		602	umho/cm			
Depth to Water		41.15	ft			
Dissolved Oxygen		1.04	mg/L			
pH		6.13	Std Unit			
Redox		135	mV			
Temperature		60.8	deg F			
<b>METAL</b>						
Aluminum	JNU	0.2	mg/L		0.2	SW846-6020
Antimony	UX	0.005	mg/L		0.005	SW846-6020
Barium		0.131	mg/L		0.05	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	J	0.229	mg/L		0.2	SW846-6020
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium	N	45.4	mg/L		10	SW846-6020
Chromium	NU	0.02	mg/L		0.02	SW846-6020
Cobalt	U	0.001	mg/L		0.001	SW846-6020
Copper	NU	0.02	mg/L		0.02	SW846-6020
Iron	N	0.307	mg/L		0.2	SW846-6020
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		16.4	mg/L		2	SW846-6020
Manganese	N	0.0605	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BUX	0.001	mg/L		0.001	SW846-6020
Nickel	BNU	0.005	mg/L		0.005	SW846-6020
Potassium	N	1.21	mg/L		0.2	SW846-6020
Rhodium	UX	0.005	mg/L		0.005	SW846-6020
Selenium		0.00578	mg/L		0.005	SW846-6020
Silver	UX	0.002	mg/L		0.002	SW846-6020
Sodium	N	47.3	mg/L		10	SW846-6020
Tantalum	UX	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.01	mg/L		0.01	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Vanadium	NU	0.02	mg/L		0.02	SW846-6020
Zinc	NU	0.025	mg/L		0.025	SW846-6020
<b>METAL-D</b>						
Barium, Dissolved		0.127	mg/L		0.05	SW846-6020
Selenium, Dissolved	U	0.005	mg/L		0.005	SW846-6020
<b>PHYSC</b>						
Dissolved Solids		325	mg/L		50	EPA-160.2
<b>RADS</b>						
Alpha activity	U	-2.18	pCi/L	1.78	9.7	EPA-900.0
Beta activity	U	4.83	pCi/L	0.966	5.98	EPA-900.0

## MW264

## SG03-01

## C-746 S&amp;T QUARTERLY - OCTOBER SG03-01

Iodine-131	U	-2.05	pCi/L	4.1	4.67	RL-7124
Strontium-90	U	0	pCi/L	0	6.12	RL-7145
Technetium-99	U	5.7	pCi/L	11	16.1	RL-7100
Thorium-234	U	-6.97	pCi/L	13.9	47.1	RL-7124
Tritium	U	-127	pCi/L	163	276	704R5
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	JU	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	JU	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	JU	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene		0.004	mg/L		0.001	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L		0.005	SW846-8260
Vinyl acetate	JU	0.01	mg/L		0.01	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260

## WETCHEM

**MW264**

**SG03-01**

**C-746 S&T QUARTERLY - OCTOBER SG03-01**

Chemical Oxygen Demand (COD)	*U	35 mg/L	35	EPA-410.4 1978
Cyanide	U	0.02 mg/L	0.02	SW846-9010-A
Iodide	BU	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.05 mg/L	0.05	SW846-9020B
Turbidity		1.8 NTU	0.5	EPA-180.1 1978

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Paducah-OREIS Data Report

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12/18/2007

MW266

SG03-01

C-746 S&T QUARTERLY - OCTOBER SG03-01

MW266SG1-03

Collected: 10/14/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		42.1	mg/L		2	SW846-9056
Fluoride		0.16	mg/L		0.1	9214
Nitrate as Nitrogen		1.1	mg/L		1	SW846-9056
Sulfate	*	68.8	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.62	Inches/Hg			
Conductivity		492	umho/cm			
Depth to Water		40.8	ft			
Dissolved Oxygen		2.04	mg/L			
pH		5.9	Std Unit			
Redox		160	mV			
Temperature		61.1	deg F			
<b>METAL</b>						
Aluminum	JNU	0.2	mg/L		0.2	SW846-6020
Antimony	UX	0.005	mg/L		0.005	SW846-6020
Barium		0.036	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	J	0.547	mg/L		0.2	SW846-6020
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium	N	35.9	mg/L		10	SW846-6020
Chromium		0.48	mg/L		0.2	SW846-6020
Cobalt	U	0.001	mg/L		0.001	SW846-6020
Copper	N	0.0301	mg/L		0.02	SW846-6020
Iron	N	3.2	mg/L		0.2	SW846-6020
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		16	mg/L		2	SW846-6020
Manganese	N	0.0154	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BX	0.0253	mg/L		0.001	SW846-6020
Nickel	BN	0.0597	mg/L		0.005	SW846-6020
Potassium	N	2.13	mg/L		0.2	SW846-6020
Rhodium	UX	0.005	mg/L		0.005	SW846-6020
Selenium		0.00855	mg/L		0.005	SW846-6020
Silver	UX	0.002	mg/L		0.002	SW846-6020
Sodium	N	28.6	mg/L		10	SW846-6020
Tantalum	UX	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.01	mg/L		0.01	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Vanadium	NU	0.02	mg/L		0.02	SW846-6020
Zinc	NU	0.025	mg/L		0.025	SW846-6020
<b>METAL-D</b>						
Barium, Dissolved	B	0.0351	mg/L		0.005	SW846-6020
Chromium, Dissolved	NUW	0.02	mg/L		0.02	SW846-6020
Selenium, Dissolved	U	0.005	mg/L		0.005	SW846-6020
<b>PHYSC</b>						
Dissolved Solids		307	mg/L		50	EPA-160.2
<b>RADS</b>						
Alpha activity	U	0.0896	pCi/L	0.0566	8.69	EPA-900.0

## MW266

## SG03-01

## C-746 S&amp;T QUARTERLY - OCTOBER SG03-01

Beta activity	U	5.08	pCi/L	1	5.76	EPA-900.0
Iodine-131	U	0.851	pCi/L	1.7	28.9	RL-7124
Strontium-90	U	2.08	pCi/L	0.321	6.12	RL-7145
Technetium-99	U	7.67	pCi/L	11.1	16.1	RL-7100
Thorium-234	U	87.6	pCi/L	175	306	RL-7124
Tritium	U	-105	pCi/L	163	276	704R5
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	JU	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	JU	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	JU	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	JU	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene		0.008	mg/L		0.001	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L		0.005	SW846-8260
Vinyl acetate	JU	0.01	mg/L		0.01	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260

**MW266**

**SG03-01**

**C-746 S&T QUARTERLY - OCTOBER SG03-01**

**WETCHEM**

Chemical Oxygen Demand (COD)	*U	35 mg/L	35	EPA-410.4 1978
Cyanide	U	0.02 mg/L	0.02	SW846-9010-A
Iodide	BU	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.05 mg/L	0.05	SW846-9020B
Turbidity		20 NTU	0.5	EPA-180.1 1978

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MW267

SG03-01

C-746 S&T QUARTERLY - OCTOBER SG03-01

MW267SG1-03

Collected: 10/15/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		50.7	mg/L		2	SW846-9056
Fluoride		0.14	mg/L		0.1	9214
Nitrate as Nitrogen		1.8	mg/L		1	SW846-9056
Sulfate		8.6	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.41	Inches/Hg			
Conductivity		353	umho/cm			
Depth to Water		55.6	ft			
Dissolved Oxygen		6.57	mg/L			
pH		5.88	Std Unit			
Redox		200	mV			
Temperature		60.7	deg F			
<b>METAL</b>						
Aluminum	JNU	0.2	mg/L		0.2	SW846-6020
Antimony	UX	0.005	mg/L		0.005	SW846-6020
Barium		0.209	mg/L		0.05	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	JU	0.2	mg/L		0.2	SW846-6020
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium	N	20.3	mg/L		10	SW846-6020
Chromium		0.925	mg/L		0.2	SW846-6020
Cobalt		0.00179	mg/L		0.001	SW846-6020
Copper	N	0.0498	mg/L		0.02	SW846-6020
Iron	N	3.29	mg/L		0.2	SW846-6020
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		7.86	mg/L		0.2	SW846-6020
Manganese	N	0.0205	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BX	0.0851	mg/L		0.001	SW846-6020
Nickel		0.152	mg/L		0.05	SW846-6020
Potassium	N	1.54	mg/L		0.2	SW846-6020
Rhodium	UX	0.005	mg/L		0.005	SW846-6020
Selenium		0.00685	mg/L		0.005	SW846-6020
Silver	UX	0.002	mg/L		0.002	SW846-6020
Sodium	N	35.1	mg/L		10	SW846-6020
Tantalum	UX	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.01	mg/L		0.01	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Vanadium	NU	0.02	mg/L		0.02	SW846-6020
Zinc	NU	0.025	mg/L		0.025	SW846-6020
<b>METAL-D</b>						
Barium, Dissolved		0.186	mg/L		0.05	SW846-6020
Chromium, Dissolved	NUW	0.02	mg/L		0.02	SW846-6020
Selenium, Dissolved	U	0.005	mg/L		0.005	SW846-6020
<b>PHYSC</b>						
Dissolved Solids		201	mg/L		100	EPA-160.2
<b>RADS</b>						
Alpha activity	U	1.6	pCi/L	0.857	7.39	EPA-900.0

## MW267

## SG03-01

## C-746 S&amp;T QUARTERLY - OCTOBER SG03-01

Beta activity		8.05	pCi/L	1.43	5.48	EPA-900.0
Iodine-131	U	-0.128	pCi/L	0.256	29.4	RL-7124
Strontium-90	U	1.8	pCi/L	0.281	6.12	RL-7145
Technetium-99	U	11.6	pCi/L	11.3	16.1	RL-7100
Thorium-234	U	88.8	pCi/L	178	303	RL-7124
Tritium	U	17.6	pCi/L	166	277	704R5
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	JU	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	JU	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	JU	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene	U	0.001	mg/L		0.001	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L		0.005	SW846-8260
Vinyl acetate	JU	0.01	mg/L		0.01	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260



**MW267**

**SG03-01**

**C-746 S&T QUARTERLY - OCTOBER SG03-01**

**WETCHEM**

Chemical Oxygen Demand (COD)	U	35 mg/L	35	EPA-410.4 1978
Cyanide	U	0.02 mg/L	0.02	SW846-9010-A
Iodide	B	3 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.05 mg/L	0.05	SW846-9020B
Turbidity		16 NTU	0.5	EPA-180.1 1978

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Paducah-OREIS Data Report

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12/18/2007

MW384

SG03-01

C-746 S&T QUARTERLY - OCTOBER SG03-01

MW384SG1-03

Collected: 10/15/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		69.2	mg/L		2	SW846-9056
Fluoride		0.38	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		12.2	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.62	Inches/Hg			
Conductivity		903	umho/cm			
Depth to Water		40.69	ft			
Dissolved Oxygen		1.05	mg/L			
pH		6.52	Std Unit			
Temperature		61.9	deg F			
<b>METAL</b>						
Aluminum	JU	0.2	mg/L		0.2	SW846-6020
Antimony	U	0.005	mg/L		0.005	SW846-6020
Arsenic		0.0161	mg/L		0.01	SW846-6020
Barium	N	0.254	mg/L		0.005	SW846-6020
Beryllium	NU	0.001	mg/L		0.001	SW846-6020
Boron	JU	0.2	mg/L		0.2	SW846-6020
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		37.9	mg/L		10	SW846-6020
Chromium	NU	0.02	mg/L		0.02	SW846-6020
Cobalt	U	0.001	mg/L		0.001	SW846-6020
Copper	BN	0.0375	mg/L		0.02	SW846-6020
Iron	NW	7.74	mg/L		0.2	SW846-6020
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		12.9	mg/L		2	SW846-6020
Manganese		3.67	mg/L		0.5	SW846-6020
Mercury	BUW	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	UWX	0.005	mg/L		0.005	SW846-6020
Potassium	NW	1.37	mg/L		0.2	SW846-6020
Selenium		0.00514	mg/L		0.005	SW846-6020
Silver	U	0.002	mg/L		0.002	SW846-6020
Sodium		140	mg/L		100	SW846-6020
Thallium	U	0.01	mg/L		0.01	SW846-6020
Uranium	NU	0.001	mg/L		0.001	SW846-6020
Vanadium	NU	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.025	mg/L		0.025	SW846-6020
<b>METAL-D</b>						
Arsenic, Dissolved	N	0.0162	mg/L		0.01	SW846-6020
Barium, Dissolved	N	0.22	mg/L		0.05	SW846-6020
Selenium, Dissolved	BU	0.005	mg/L		0.005	SW846-6020
<b>PHYSC</b>						
Dissolved Solids		434	mg/L		100	EPA-160.2
<b>RADS</b>						
Alpha activity	U	3.22	pCi/L	1.66	14	EPA-900.0
Beta activity		16.1	pCi/L	2.53	6.98	EPA-900.0
Iodine-131	U	8.05	pCi/L	16.1	35.5	RL-7124

**MW384****SG03-01****C-746 S&T QUARTERLY - OCTOBER SG03-01**

Strontium-90	U	1.5	pCi/L	0.237	7.35	RL-7145
Technetium-99		30.9	pCi/L	12	16.1	RL-7100
Thorium-234	U	125	pCi/L	249	306	RL-7124
Tritium	U	87.8	pCi/L	167	277	704R5
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	J	0.037	mg/L		0.01	SW846-8260
Acrylonitrile	JU	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	JU	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	JU	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	UX	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene		0.002	mg/L		0.001	SW846-8260
Trichlorofluoromethane	UX	0.005	mg/L		0.005	SW846-8260
Vinyl acetate	JU	0.01	mg/L		0.01	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260
<b>WETCHEM</b>						
Chemical Oxygen Demand (COD)	U	35	mg/L		35	EPA-410.4 1978

**MW384**

**SG03-01**

**C-746 S&T QUARTERLY - OCTOBER SG03-01**

Cyanide	U	0.02 mg/L	0.02	SW846-9010-A
Iodide	B	2.9 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		11.1 mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.267 mg/L	0.05	SW846-9020B
Turbidity	J	60 NTU	0.5	EPA-180.1 1978

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MW384

SG03-01

C-746 S&T QUARTERLY - OCTOBER SG03-01

MW384DSG1-03

Collected: 10/15/2002

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		59.6	mg/L		2	SW846-9056
Fluoride		0.31	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		13.7	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.62	Inches/Hg			
Conductivity		903	umho/cm			
Depth to Water		40.69	ft			
Dissolved Oxygen		1.05	mg/L			
pH		6.52	Std Unit			
Temperature		61.9	deg F			
<b>METAL</b>						
Aluminum	JU	0.2	mg/L		0.2	SW846-6020
Antimony	U	0.005	mg/L		0.005	SW846-6020
Arsenic		0.0138	mg/L		0.01	SW846-6020
Barium	N	0.224	mg/L		0.05	SW846-6020
Beryllium	NU	0.001	mg/L		0.001	SW846-6020
Boron	JU	0.2	mg/L		0.2	SW846-6020
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		32.7	mg/L		10	SW846-6020
Chromium	NU	0.02	mg/L		0.02	SW846-6020
Cobalt	U	0.001	mg/L		0.001	SW846-6020
Copper	BNW	0.0221	mg/L		0.02	SW846-6020
Iron	NW	6.45	mg/L		0.2	SW846-6020
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		11.1	mg/L		2	SW846-6020
Manganese		2.35	mg/L		0.5	SW846-6020
Mercury	BUW	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	UX	0.005	mg/L		0.005	SW846-6020
Potassium	NW	1.31	mg/L		0.2	SW846-6020
Selenium		0.00567	mg/L		0.005	SW846-6020
Silver	U	0.002	mg/L		0.002	SW846-6020
Sodium		88.7	mg/L		10	SW846-6020
Thallium	U	0.01	mg/L		0.01	SW846-6020
Uranium	N	0.00186	mg/L		0.001	SW846-6020
Vanadium	NU	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.025	mg/L		0.025	SW846-6020
<b>METAL-D</b>						
Arsenic, Dissolved		0.0123	mg/L		0.01	SW846-6020
Barium, Dissolved	N	0.212	mg/L		0.05	SW846-6020
Selenium, Dissolved	BU	0.005	mg/L		0.005	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
<b>PHYSC</b>						
Dissolved Solids		361	mg/L		100	EPA-160.2
<b>RADS</b>						
Alpha activity	U	3.41	pCi/L	1.49	11.3	EPA-900.0
Beta activity		46.8	pCi/L	4.87	6.33	EPA-900.0

## MW384

## SG03-01

## C-746 S&amp;T QUARTERLY - OCTOBER SG03-01

Iodine-131	U	-10.2	pCi/L	20.5	31	RL-7124
Strontium-90	U	6.25	pCi/L	0.677	7.26	RL-7145
Technetium-99		44.1	pCi/L	12.4	16.1	RL-7100
Thorium-234	U	-25.6	pCi/L	51.2	303	RL-7124
Tritium	U	114	pCi/L	168	277	704R5
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	J	0.034	mg/L		0.01	SW846-8260
Acrylonitrile	JU	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	JU	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	JU	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	UX	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene	X	0.001	mg/L		0.001	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L		0.005	SW846-8260
Vinyl acetate	JU	0.01	mg/L		0.01	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260

## WETCHEM

**MW384**

**SG03-01**

**C-746 S&T QUARTERLY - OCTOBER SG03-01**

Chemical Oxygen Demand (COD)	U	35 mg/L	35	EPA-410.4 1978
Cyanide	U	0.02 mg/L	0.02	SW846-9010-A
Iodide	B	3.6 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		14.4 mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.288 mg/L	0.05	SW846-9020B
Turbidity		34 NTU	0.5	EPA-180.1 1978

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SG03-01

C-746 S&T QUARTERLY - OCTOBER SG03-01

MW385SG1-03

Collected: 10/15/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		32.3	mg/L		2	SW846-9056
Fluoride		0.36	mg/L		0.1	9214
Nitrate as Nitrogen		1.6	mg/L		1	SW846-9056
Sulfate		19.2	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.62	Inches/Hg			
Conductivity		400	umho/cm			
Depth to Water		41.05	ft			
Dissolved Oxygen		0.88	mg/L			
pH		7.03	Std Unit			
Temperature		62	deg F			
<b>METAL</b>						
Aluminum	JN	0.508	mg/L		0.2	SW846-6020
Antimony	UX	0.005	mg/L		0.005	SW846-6020
Barium		0.137	mg/L		0.05	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	JU	0.2	mg/L		0.2	SW846-6020
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium	N	32	mg/L		10	SW846-6020
Chromium	NU	0.02	mg/L		0.02	SW846-6020
Cobalt	U	0.001	mg/L		0.001	SW846-6020
Copper	NU	0.02	mg/L		0.02	SW846-6020
Iron	N	0.379	mg/L		0.2	SW846-6020
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		6.92	mg/L		0.2	SW846-6020
Manganese	N	0.0522	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BX	0.00272	mg/L		0.001	SW846-6020
Nickel	BNU	0.005	mg/L		0.005	SW846-6020
Potassium	N	1.52	mg/L		0.2	SW846-6020
Rhodium	UX	0.005	mg/L		0.005	SW846-6020
Selenium	U	0.005	mg/L		0.005	SW846-6020
Silver	UX	0.002	mg/L		0.002	SW846-6020
Sodium	N	33	mg/L		10	SW846-6020
Tantalum	UX	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.01	mg/L		0.01	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Vanadium	NU	0.02	mg/L		0.02	SW846-6020
Zinc	NU	0.025	mg/L		0.025	SW846-6020
<b>METAL-D</b>						
Barium, Dissolved		0.0655	mg/L		0.005	SW846-6020
<b>PHYSC</b>						
Dissolved Solids		218	mg/L		100	EPA-160.2
<b>RADS</b>						
Alpha activity	U	-0.46	pCi/L	0.291	7.85	EPA-900.0
Beta activity		11.7	pCi/L	1.9	5.58	EPA-900.0
Iodine-131	U	6.69	pCi/L	13.4	38	RL-7124
Strontium-90	U	1.03	pCi/L	0.166	6.12	RL-7145



## MW385

## SG03-01

## C-746 S&amp;T QUARTERLY - OCTOBER SG03-01

Technetium-99		73.3	pCi/L	13.3	16.1	RL-7100
Thorium-234	U	-21.1	pCi/L	42.2	295	RL-7124
Tritium	U	-59.3	pCi/L	165	277	704R5
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	JX	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	JU	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	JU	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	JU	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene	U	0.001	mg/L		0.001	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L		0.005	SW846-8260
Vinyl acetate	JU	0.01	mg/L		0.01	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260
<b>WETCHEM</b>						
Chemical Oxygen Demand (COD)	U	35	mg/L		35	EPA-410.4 1978
Cyanide	U	0.02	mg/L		0.02	SW846-9010-A

**MW385**

**SG03-01**

**C-746 S&T QUARTERLY - OCTOBER SG03-01**

Iodide	BU	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		1.6 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.05 mg/L	0.05	SW846-9020B
Turbidity		8.4 NTU	0.5	EPA-180.1 1978

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## MW386

## SG03-01

## C-746 S&amp;T QUARTERLY - OCTOBER SG03-01

## MW386SG1-03

Collected: 10/15/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		31.8	mg/L		2	SW846-9056
Fluoride		0.21	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		14	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.62	Inches/Hg			
Conductivity		509	umho/cm			
Depth to Water		23.59	ft			
Dissolved Oxygen		0.89	mg/L			
pH		6.14	Std Unit			
Redox		10	mV			
Temperature		62	deg F			
<b>METAL</b>						
Aluminum	JNU	0.2	mg/L		0.2	SW846-6020
Antimony	UX	0.005	mg/L		0.005	SW846-6020
Barium		0.0337	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	JU	0.2	mg/L		0.2	SW846-6020
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium	N	17.8	mg/L		10	SW846-6020
Chromium	NU	0.02	mg/L		0.02	SW846-6020
Cobalt	U	0.001	mg/L		0.001	SW846-6020
Copper	N	0.0219	mg/L		0.02	SW846-6020
Iron	N	1.01	mg/L		0.2	SW846-6020
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		5.96	mg/L		0.2	SW846-6020
Manganese	N	0.0991	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BX	0.0014	mg/L		0.001	SW846-6020
Nickel	BNU	0.005	mg/L		0.005	SW846-6020
Potassium	N	0.741	mg/L		0.2	SW846-6020
Rhodium	UX	0.005	mg/L		0.005	SW846-6020
Selenium	U	0.005	mg/L		0.005	SW846-6020
Silver	UX	0.002	mg/L		0.002	SW846-6020
Sodium	N	78.7	mg/L		10	SW846-6020
Tantalum	UX	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.01	mg/L		0.01	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Vanadium	NU	0.02	mg/L		0.02	SW846-6020
Zinc	NU	0.025	mg/L		0.025	SW846-6020
<b>METAL-D</b>						
Barium, Dissolved	B	0.0352	mg/L		0.005	SW846-6020
<b>PHYSC</b>						
Dissolved Solids		296	mg/L		100	EPA-160.2
<b>RADS</b>						
Alpha activity	U	0.85	pCi/L	0.513	9.8	EPA-900.0
Beta activity	U	3.53	pCi/L	0.739	6	EPA-900.0
Iodine-131	U	-9.49	pCi/L	19	34.5	RL-7124

## MW386

## SG03-01

## C-746 S&amp;T QUARTERLY - OCTOBER SG03-01

Strontium-90	U	-0.522	pCi/L	0.0899	6.12	RL-7145
Technetium-99	U	6.69	pCi/L	11.1	16.1	RL-7100
Thorium-234	U	-3.76	pCi/L	7.51	295	RL-7124
Tritium	U	81.2	pCi/L	167	277	704R5
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	JU	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	JU	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	JU	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	JU	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene	U	0.001	mg/L		0.001	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L		0.005	SW846-8260
Vinyl acetate	JU	0.01	mg/L		0.01	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260
<b>WETCHEM</b>						
Chemical Oxygen Demand (COD)	U	35	mg/L		35	EPA-410.4 1978

**MW386**

**SG03-01**

**C-746 S&T QUARTERLY - OCTOBER SG03-01**

Cyanide	U	0.02 mg/L	0.02	SW846-9010-A
Iodide	B	3.1 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		5.2 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.05 mg/L	0.05	SW846-9020B
Turbidity		2.1 NTU	0.5	EPA-180.1 1978

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**MW387**

**SG03-01**

## C-746 S&T QUARTERLY - OCTOBER SG03-01

**MW387SG1-03**

Collected: 10/16/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		47.2	mg/L		2	SW846-9056
Fluoride		1.1	mg/L		0.1	9214
Nitrate as Nitrogen		1.8	mg/L		1	SW846-9056
Sulfate		19.4	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.65	Inches/Hg			
Conductivity		409	umho/cm			
Depth to Water		39.04	ft			
Dissolved Oxygen		4.72	mg/L			
pH		6.1	Std Unit			
Redox		230	mV			
Temperature		60.1	deg F			
<b>METAL</b>						
Aluminum	JN	0.594	mg/L		0.2	SW846-6020
Antimony	UX	0.005	mg/L		0.005	SW846-6020
Barium		0.17	mg/L		0.05	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	JU	0.2	mg/L		0.2	SW846-6020
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium	N	28.7	mg/L		10	SW846-6020
Chromium	NU	0.02	mg/L		0.02	SW846-6020
Cobalt	U	0.001	mg/L		0.001	SW846-6020
Copper	NU	0.02	mg/L		0.02	SW846-6020
Iron	N	1.05	mg/L		0.2	SW846-6020
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		10.7	mg/L		0.2	SW846-6020
Manganese	N	0.0215	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BUX	0.001	mg/L		0.001	SW846-6020
Nickel	BNU	0.005	mg/L		0.005	SW846-6020
Potassium	N	1.59	mg/L		0.2	SW846-6020
Rhodium	UX	0.005	mg/L		0.005	SW846-6020
Selenium	U	0.005	mg/L		0.005	SW846-6020
Silver	UX	0.002	mg/L		0.002	SW846-6020
Sodium	N	43.3	mg/L		10	SW846-6020
Tantalum	UX	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.01	mg/L		0.01	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Vanadium	NU	0.02	mg/L		0.02	SW846-6020
Zinc	NU	0.025	mg/L		0.025	SW846-6020
<b>METAL-D</b>						
Barium, Dissolved		0.174	mg/L		0.05	SW846-6020
<b>PHYSC</b>						
Dissolved Solids	*	242	mg/L		50	EPA-160.2
<b>RADS</b>						
Alpha activity		16.7	pCi/L	4.56	6.34	EPA-900.0
Beta activity		70.2	pCi/L	5.88	5.39	EPA-900.0
Iodine-131	U	14.4	pCi/L	28.7	36.7	RL-7124

## MW387

## SG03-01

## C-746 S&amp;T QUARTERLY - OCTOBER SG03-01

Strontium-90	U	2.74	pCi/L	0.456	5.2	RL-7145
Technetium-99		62.6	pCi/L	12.7	15.6	RL-7100
Thorium-234	U	-69.7	pCi/L	139	290	RL-7124
Tritium	U	-61.5	pCi/L	164	277	704R5
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	JU	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	JU	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	JU	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene		0.002	mg/L		0.001	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L		0.005	SW846-8260
Vinyl acetate	JU	0.01	mg/L		0.01	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260
<b>WETCHEM</b>						
Chemical Oxygen Demand (COD)	U	35	mg/L		35	EPA-410.4 1978

**MW387**

**SG03-01**

**C-746 S&T QUARTERLY - OCTOBER SG03-01**

Cyanide	U	0.02 mg/L	0.02	SW846-9010-A
Iodide	BU	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.05 mg/L	0.05	SW846-9020B
Turbidity		14 NTU	0.5	EPA-180.1 1978

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MW388

SG03-01

C-746 S&T QUARTERLY - OCTOBER SG03-01

MW388SG1-03

Collected: 10/16/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	*U	1	mg/L		1	SW846-9056
Chloride	*	43.1	mg/L		2	SW846-9056
Fluoride		0.2	mg/L		0.1	9214
Nitrate as Nitrogen		2	mg/L		1	SW846-9056
Sulfate	*N	13.3	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.65	Inches/Hg			
Conductivity		355	umho/cm			
Depth to Water		39.02	ft			
Dissolved Oxygen		5.41	mg/L			
pH		6.1	Std Unit			
Redox		215	mV			
Temperature		60.5	deg F			
<b>METAL</b>						
Aluminum	JU	0.2	mg/L		0.2	SW846-6020
Antimony	U	0.005	mg/L		0.005	SW846-6020
Barium	N	0.185	mg/L		0.05	SW846-6020
Beryllium	NU	0.001	mg/L		0.001	SW846-6020
Boron	JU	0.2	mg/L		0.2	SW846-6020
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		25.3	mg/L		10	SW846-6020
Chromium	NU	0.02	mg/L		0.02	SW846-6020
Cobalt	U	0.001	mg/L		0.001	SW846-6020
Copper	BNU	0.02	mg/L		0.02	SW846-6020
Iron	NUW	0.2	mg/L		0.2	SW846-6020
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium	JX	10.3	mg/L		0.2	SW846-6020
Manganese	BNU	0.005	mg/L		0.005	SW846-6020
Mercury	BUW	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	UWX	0.005	mg/L		0.005	SW846-6020
Potassium	NW	1.55	mg/L		0.2	SW846-6020
Selenium		0.00723	mg/L		0.005	SW846-6020
Silver	U	0.002	mg/L		0.002	SW846-6020
Sodium		37.7	mg/L		10	SW846-6020
Thallium	U	0.01	mg/L		0.01	SW846-6020
Uranium	NU	0.001	mg/L		0.001	SW846-6020
Vanadium	NU	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.025	mg/L		0.025	SW846-6020
<b>METAL-D</b>						
Barium, Dissolved	N	0.178	mg/L		0.05	SW846-6020
Selenium, Dissolved	BU	0.005	mg/L		0.005	SW846-6020
<b>PHYSC</b>						
Dissolved Solids		227	mg/L		100	EPA-160.2
<b>RADS</b>						
Alpha activity	U	4.76	pCi/L	2.24	6	EPA-900.0
Beta activity		12.5	pCi/L	2.02	5.3	EPA-900.0
Iodine-131	U	-22.5	pCi/L	45.1	31.5	RL-7124
Strontium-90	U	3.43	pCi/L	0.549	5.2	RL-7145

## MW388

## SG03-01

## C-746 S&amp;T QUARTERLY - OCTOBER SG03-01

Technetium-99	U	12.6	pCi/L	10.9	15.6	RL-7100
Thorium-234	U	-58.4	pCi/L	117	292	RL-7124
Tritium	U	-59.3	pCi/L	164	277	704R5
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	JU	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	JU	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	JU	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene	U	0.001	mg/L		0.001	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L		0.005	SW846-8260
Vinyl acetate	JU	0.01	mg/L		0.01	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260
<b>WETCHEM</b>						
Chemical Oxygen Demand (COD)	U	35	mg/L		35	EPA-410.4 1978
Cyanide	U	0.02	mg/L		0.02	SW846-9010-A

**MW388**

**SG03-01**

**C-746 S&T QUARTERLY - OCTOBER SG03-01**

Iodide	BU	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	UX	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.05 mg/L	0.05	SW846-9020B
Turbidity		2.8 NTU	0.5	EPA-180.1 1978

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MW390

SG03-01

C-746 S&T QUARTERLY - OCTOBER SG03-01

MW390SG1-03

Collected: 10/16/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	*	2.7	mg/L		1	SW846-9056
Chloride	*	306.3	mg/L		2	SW846-9056
Fluoride		0.27	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate	*N	8.4	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.65	Inches/Hg			
Conductivity		1208	umho/cm			
Depth to Water		36.12	ft			
Dissolved Oxygen		0.24	mg/L			
pH		6.2	Std Unit			
Temperature		59.7	deg F			
<b>METAL</b>						
Aluminum		10.6	mg/L		2	SW846-6020
Antimony	U	0.005	mg/L		0.005	SW846-6020
Arsenic		0.0189	mg/L		0.01	SW846-6020
Barium	N	0.389	mg/L		0.05	SW846-6020
Beryllium	U	0.01	mg/L		0.01	SW846-6020
Boron	U	2	mg/L		2	SW846-6020
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		69.5	mg/L		10	SW846-6020
Chromium	U	0.2	mg/L		0.2	SW846-6020
Cobalt		0.048	mg/L		0.01	SW846-6020
Copper	BNU	0.2	mg/L		0.2	SW846-6020
Iron		26.3	mg/L		2	SW846-6020
Lead		0.00627	mg/L		0.005	SW846-6020
Magnesium		29.1	mg/L		2	SW846-6020
Manganese		1.05	mg/L		0.05	SW846-6020
Mercury	BUW	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	NU	0.05	mg/L		0.05	SW846-6020
Potassium	U	2	mg/L		2	SW846-6020
Selenium		0.0193	mg/L		0.005	SW846-6020
Silver	U	0.002	mg/L		0.002	SW846-6020
Sodium		111	mg/L		10	SW846-6020
Thallium	U	0.01	mg/L		0.01	SW846-6020
Uranium	NU	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.2	mg/L		0.2	SW846-6020
Zinc	U	0.025	mg/L		0.025	SW846-6020
<b>METAL-D</b>						
Arsenic, Dissolved		0.0158	mg/L		0.01	SW846-6020
Barium, Dissolved	N	0.344	mg/L		0.05	SW846-6020
Lead, Dissolved	BU	0.005	mg/L		0.005	SW846-6020
Selenium, Dissolved		0.0113	mg/L		0.005	SW846-6020
<b>PHYSC</b>						
Dissolved Solids		822	mg/L		100	EPA-160.2
<b>RADS</b>						
Alpha activity	U	8.6	pCi/L	4.77	16.1	EPA-900.0
Beta activity	U	10.5	pCi/L	2.14	11.7	EPA-900.0

## MW390

## SG03-01

## C-746 S&amp;T QUARTERLY - OCTOBER SG03-01

Iodine-131	U	10.2	pCi/L	20.5	38.4	RL-7124
Strontium-90	U	2.27	pCi/L	0.383	5.2	RL-7145
Technetium-99	U	9.15	pCi/L	10.8	15.6	RL-7100
Thorium-234	U	126	pCi/L	252	305	RL-7124
Tritium	U	37.3	pCi/L	166	277	704R5
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	JU	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	JU	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	JU	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene	U	0.001	mg/L		0.001	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L		0.005	SW846-8260
Vinyl acetate	JU	0.01	mg/L		0.01	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260

## WETCHEM

**MW390**

**SG03-01**

**C-746 S&T QUARTERLY - OCTOBER SG03-01**

Chemical Oxygen Demand (COD)	U	35 mg/L	35	EPA-410.4 1978
Cyanide	U	0.02 mg/L	0.02	SW846-9010-A
Iodide	BU	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	X	5 mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.139 mg/L	0.05	SW846-9020B
Turbidity	J	180 NTU	0.5	EPA-180.1 1978

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**MW391**

**SG03-01**

**C-746 S&T QUARTERLY - OCTOBER SG03-01**

**MW391SG1-03**

Collected: 10/16/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	*U	1	mg/L		1	SW846-9056
Chloride	*	41.7	mg/L		2	SW846-9056
Fluoride		0.18	mg/L		0.1	9214
Nitrate as Nitrogen		1.1	mg/L		1	SW846-9056
Sulfate	*N	8.8	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.65	Inches/Hg			
Conductivity		337	umho/cm			
Depth to Water		42.31	ft			
Dissolved Oxygen		4.3	mg/L			
pH		5.99	Std Unit			
Redox		130	mV			
Temperature		59.8	deg F			
<b>METAL</b>						
Aluminum	JN	0.315	mg/L		0.2	SW846-6020
Antimony	UX	0.005	mg/L		0.005	SW846-6020
Barium		0.203	mg/L		0.05	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	JU	0.2	mg/L		0.2	SW846-6020
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium	N	22.6	mg/L		10	SW846-6020
Chromium	NU	0.02	mg/L		0.02	SW846-6020
Cobalt	U	0.001	mg/L		0.001	SW846-6020
Copper	NU	0.02	mg/L		0.02	SW846-6020
Iron	N	1.15	mg/L		0.2	SW846-6020
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		8.88	mg/L		0.2	SW846-6020
Manganese	N	0.0296	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BUX	0.001	mg/L		0.001	SW846-6020
Nickel	BNU	0.005	mg/L		0.005	SW846-6020
Potassium	N	1.23	mg/L		0.2	SW846-6020
Rhodium	UX	0.005	mg/L		0.005	SW846-6020
Selenium		0.00596	mg/L		0.005	SW846-6020
Silver	UX	0.002	mg/L		0.002	SW846-6020
Sodium	N	30.5	mg/L		10	SW846-6020
Tantalum	UX	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.01	mg/L		0.01	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Vanadium	NU	0.02	mg/L		0.02	SW846-6020
Zinc	NU	0.025	mg/L		0.025	SW846-6020
<b>METAL-D</b>						
Barium, Dissolved		0.203	mg/L		0.05	SW846-6020
Selenium, Dissolved	U	0.005	mg/L		0.005	SW846-6020
<b>PHYSC</b>						
Dissolved Solids		191	mg/L		100	EPA-160.2
<b>RADS</b>						
Alpha activity		5.66	pCi/L	2.53	5.39	EPA-900.0
Beta activity		5.65	pCi/L	1.11	5.14	EPA-900.0

## MW391

## SG03-01

## C-746 S&amp;T QUARTERLY - OCTOBER SG03-01

Iodine-131	U	6.7	pCi/L	13.4	41.4	RL-7124
Strontium-90	U	1.88	pCi/L	0.324	5.2	RL-7145
Technetium-99	U	12.9	pCi/L	10.9	15.6	RL-7100
Thorium-234	U	15.1	pCi/L	30.3	293	RL-7124
Tritium	U	59.3	pCi/L	167	277	704R5
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	JU	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	JU	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	JU	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene		0.011	mg/L		0.001	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L		0.005	SW846-8260
Vinyl acetate	JU	0.01	mg/L		0.01	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260

**WETCHEM**



**MW391**

**SG03-01**

**C-746 S&T QUARTERLY - OCTOBER SG03-01**

Chemical Oxygen Demand (COD)	U	35 mg/L	35	EPA-410.4 1978
Cyanide	U	0.02 mg/L	0.02	SW846-9010-A
Iodide	BU	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	UX	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.05 mg/L	0.05	SW846-9020B
Turbidity		9.7 NTU	0.5	EPA-180.1 1978

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Paducah-OREIS Data Report

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12/18/2007

MW392

SG03-01

C-746 S&T QUARTERLY - OCTOBER SG03-01

MW392SG1-03

Collected: 10/16/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		43.7	mg/L		2	SW846-9056
Fluoride		0.39	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate	U	5	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.65	Inches/Hg			
Conductivity		475	umho/cm			
Depth to Water		41.46	ft			
Dissolved Oxygen		0.58	mg/L			
pH		6.37	Std Unit			
Temperature		58.4	deg F			
<b>METAL</b>						
Aluminum	JU	0.2	mg/L		0.2	SW846-6020
Antimony	U	0.005	mg/L		0.005	SW846-6020
Barium	N	0.282	mg/L		0.05	SW846-6020
Beryllium	NU	0.001	mg/L		0.001	SW846-6020
Boron	JU	0.2	mg/L		0.2	SW846-6020
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		26	mg/L		10	SW846-6020
Chromium	NU	0.02	mg/L		0.02	SW846-6020
Cobalt	U	0.001	mg/L		0.001	SW846-6020
Copper	BNU	0.02	mg/L		0.02	SW846-6020
Iron	NW	6.15	mg/L		0.2	SW846-6020
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium	JX	9.01	mg/L		0.2	SW846-6020
Manganese		2.2	mg/L		0.5	SW846-6020
Mercury	BUW	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	UWX	0.005	mg/L		0.005	SW846-6020
Potassium	NW	1.68	mg/L		0.2	SW846-6020
Selenium	U	0.005	mg/L		0.005	SW846-6020
Silver	U	0.002	mg/L		0.002	SW846-6020
Sodium		61.1	mg/L		1	SW846-6020
Thallium	U	0.01	mg/L		0.01	SW846-6020
Uranium	NU	0.001	mg/L		0.001	SW846-6020
Vanadium	NU	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.025	mg/L		0.025	SW846-6020
<b>METAL-D</b>						
Barium, Dissolved	N	0.266	mg/L		0.05	SW846-6020
<b>PHYSC</b>						
Dissolved Solids		280	mg/L		100	EPA-160.2
<b>RADS</b>						
Alpha activity		9.34	pCi/L	3.89	7.7	EPA-900.0
Beta activity		10.9	pCi/L	1.88	5.76	EPA-900.0
Iodine-131	U	2.52	pCi/L	5.05	35.1	RL-7124
Strontium-90	U	3.9	pCi/L	0.616	5.2	RL-7145
Technetium-99	U	-4.06	pCi/L	0	15.6	RL-7100
Thorium-234	U	8.53	pCi/L	17.1	292	RL-7124

## MW392

## SG03-01

## C-746 S&amp;T QUARTERLY - OCTOBER SG03-01

Tritium	U	-178	pCi/L	162	277	704R5
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	J	0.056	mg/L		0.01	SW846-8260
Acrylonitrile	JU	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	JU	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	JU	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	UX	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene		0.008	mg/L		0.001	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L		0.005	SW846-8260
Vinyl acetate	JU	0.01	mg/L		0.01	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260
<b>WETCHEM</b>						
Chemical Oxygen Demand (COD)	U	35	mg/L		35	EPA-410.4 1978
Cyanide	U	0.02	mg/L		0.02	SW846-9010-A
Iodide	B	2.9	mg/L		2	EPA-345.1 1974
Total Organic Carbon (TOC)		11.8	mg/L		1	SW846-9060

**MW392**

**SG03-01**

**C-746 S&T QUARTERLY - OCTOBER SG03-01**

Total Organic Halides (TOX)

0.217 mg/L

0.05 SW846-9020B

Turbidity

J

90 NTU

0.5 EPA-180.1 1978

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SG03-01

C-746 S&T QUARTERLY - OCTOBER SG03-01

MW393SG1-03

Collected: 10/16/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	*U	1	mg/L		1	SW846-9056
Chloride	*	25.1	mg/L		2	SW846-9056
Fluoride		0.18	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate	*NU	5	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.65	Inches/Hg			
Conductivity		817	umho/cm			
Depth to Water		36.2	ft			
Dissolved Oxygen		0.29	mg/L			
pH		6.31	Std Unit			
Temperature		59.5	deg F			
<b>METAL</b>						
Aluminum	JNU	0.2	mg/L		0.2	SW846-6020
Antimony	UX	0.005	mg/L		0.005	SW846-6020
Barium		0.0343	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	JU	0.2	mg/L		0.2	SW846-6020
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium	N	24.9	mg/L		10	SW846-6020
Chromium	NU	0.02	mg/L		0.02	SW846-6020
Cobalt	U	0.001	mg/L		0.001	SW846-6020
Copper	NU	0.02	mg/L		0.02	SW846-6020
Iron	N	2.85	mg/L		0.2	SW846-6020
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		5.99	mg/L		0.2	SW846-6020
Manganese	N	0.103	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BUX	0.001	mg/L		0.001	SW846-6020
Nickel	BNU	0.005	mg/L		0.005	SW846-6020
Potassium	N	0.63	mg/L		0.2	SW846-6020
Rhodium	UX	0.005	mg/L		0.005	SW846-6020
Selenium	U	0.005	mg/L		0.005	SW846-6020
Silver	UX	0.002	mg/L		0.002	SW846-6020
Sodium	N	160	mg/L		100	SW846-6020
Tantalum	UX	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.01	mg/L		0.01	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Vanadium	NU	0.02	mg/L		0.02	SW846-6020
Zinc	NU	0.025	mg/L		0.025	SW846-6020
<b>METAL-D</b>						
Barium, Dissolved	B	0.0295	mg/L		0.005	SW846-6020
<b>PHYSC</b>						
Dissolved Solids		662	mg/L		100	EPA-160.2
<b>RADS</b>						
Alpha activity		17.6	pCi/L	7.49	14.3	EPA-900.0
Beta activity	U	9.48	pCi/L	1.96	11.2	EPA-900.0
Iodine-131	U	15.1	pCi/L	30.1	39.9	RL-7124
Strontium-90	U	0	pCi/L	0	5.2	RL-7145

## MW393

## SG03-01

## C-746 S&amp;T QUARTERLY - OCTOBER SG03-01

Technetium-99	U	-2.92	pCi/L	0	15.6	RL-7100
Thorium-234	U	29.6	pCi/L	59.2	300	RL-7124
Tritium	U	-167	pCi/L	162	277	704R5
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	UX	0.01	mg/L		0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	J	0.1	mg/L		0.01	SW846-8260
Acrylonitrile	JU	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	JU	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	UX	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	UX	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene	U	0.001	mg/L		0.001	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L		0.005	SW846-8260
Vinyl acetate	JU	0.01	mg/L		0.01	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260
<b>WETCHEM</b>						
Chemical Oxygen Demand (COD)	J	181	mg/L		35	EPA-410.4 1978
Cyanide	U	0.02	mg/L		0.02	SW846-9010-A

**MW393**

**SG03-01**

**C-746 S&T QUARTERLY - OCTOBER SG03-01**

Iodide	BU	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	X	95 mg/L	1	SW846-9060
Total Organic Halides (TOX)		1.151 mg/L	0.05	SW846-9020B
Turbidity		36 NTU	0.5	EPA-180.1 1978

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SG03-01

C-746 S&T QUARTERLY - OCTOBER SG03-01

MW394SG1-03

Collected: 10/16/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	*U	1	mg/L		1	SW846-9056
Chloride	*	58	mg/L		2	SW846-9056
Fluoride		0.16	mg/L		0.1	9214
Nitrate as Nitrogen		1.1	mg/L		1	SW846-9056
Sulfate	*N	8	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.47	Inches/Hg			
Conductivity		411	umho/cm			
Depth to Water		53.58	ft			
Dissolved Oxygen		5.11	mg/L			
pH		5.42	Std Unit			
Redox		185	mV			
Temperature		60.3	deg F			
<b>METAL</b>						
Aluminum	JU	0.2	mg/L		0.2	SW846-6020
Antimony	U	0.005	mg/L		0.005	SW846-6020
Barium	N	0.243	mg/L		0.05	SW846-6020
Beryllium	NU	0.001	mg/L		0.001	SW846-6020
Boron	JU	0.2	mg/L		0.2	SW846-6020
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		31.2	mg/L		10	SW846-6020
Chromium	NU	0.02	mg/L		0.02	SW846-6020
Cobalt	U	0.001	mg/L		0.001	SW846-6020
Copper	BNU	0.02	mg/L		0.02	SW846-6020
Iron	NW	1.38	mg/L		0.2	SW846-6020
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		11.3	mg/L		2	SW846-6020
Manganese		0.103	mg/L		0.005	SW846-6020
Mercury	BUW	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	UW	0.005	mg/L		0.005	SW846-6020
Potassium	NW	1.03	mg/L		0.2	SW846-6020
Selenium		0.00683	mg/L		0.005	SW846-6020
Silver	U	0.002	mg/L		0.002	SW846-6020
Sodium		29	mg/L		10	SW846-6020
Thallium	U	0.01	mg/L		0.01	SW846-6020
Uranium	NU	0.001	mg/L		0.001	SW846-6020
Vanadium	NU	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.025	mg/L		0.025	SW846-6020
<b>METAL-D</b>						
Barium, Dissolved	N	0.236	mg/L		0.05	SW846-6020
Selenium, Dissolved	BU	0.005	mg/L		0.005	SW846-6020
<b>PHYSC</b>						
Dissolved Solids		201	mg/L		100	EPA-160.2
<b>RADS</b>						
Alpha activity		8.26	pCi/L	3.24	5.92	EPA-900.0
Beta activity		12.8	pCi/L	2.05	5.28	EPA-900.0
Iodine-131	U	-4.25	pCi/L	8.49	35.5	RL-7124
Strontium-90	U	1.18	pCi/L	0.211	5.2	RL-7145



## MW394

## SG03-01

## C-746 S&amp;T QUARTERLY - OCTOBER SG03-01

Technetium-99	U	2.49	pCi/L	10.6	15.6	RL-7100
Thorium-234	U	26.1	pCi/L	52.2	297	RL-7124
Tritium	U	-114	pCi/L	163	277	704R5
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	JU	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	JU	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	JU	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene		0.017	mg/L		0.001	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L		0.005	SW846-8260
Vinyl acetate	JU	0.01	mg/L		0.01	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260
<b>WETCHEM</b>						
Chemical Oxygen Demand (COD)	U	35	mg/L		35	EPA-410.4 1978
Cyanide	U	0.02	mg/L		0.02	SW846-9010-A

**MW394**

**SG03-01**

**C-746 S&T QUARTERLY - OCTOBER SG03-01**

Iodide	BU	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	UX	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.05 mg/L	0.05	SW846-9020B
Turbidity		8.9 NTU	0.5	EPA-180.1 1978

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**MW395**

**SG03-01**

**C-746 S&T QUARTERLY - OCTOBER SG03-01**

**MW395SG1-03**

Collected: 10/16/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	*U	1	mg/L		1	SW846-9056
Chloride	*	62.2	mg/L		2	SW846-9056
Fluoride		0.15	mg/L		0.1	9214
Nitrate as Nitrogen		1.5	mg/L		1	SW846-9056
Sulfate	*N	8.8	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.44	Inches/Hg			
Conductivity		392	umho/cm			
Depth to Water		54.25	ft			
Dissolved Oxygen		3.85	mg/L			
pH		5.47	Std Unit			
Redox		125	mV			
Temperature		61	deg F			
<b>METAL</b>						
Aluminum	JNU	0.0002	mg/L		0.0002	SW846-6020
Antimony	UX	0.005	mg/L		0.005	SW846-6020
Barium		0.226	mg/L		0.05	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	JU	0.2	mg/L		0.2	SW846-6020
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium	N	0.0295	mg/L		0.01	SW846-6020
Chromium	NU	0.02	mg/L		0.02	SW846-6020
Cobalt	U	0.001	mg/L		0.001	SW846-6020
Copper	N	0.0281	mg/L		0.02	SW846-6020
Iron	NU	0.0002	mg/L		0.0002	SW846-6020
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		0.0127	mg/L		0.002	SW846-6020
Manganese		0.026	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BUX	0.001	mg/L		0.001	SW846-6020
Nickel	BN	0.00702	mg/L		0.005	SW846-6020
Potassium	N	0.00129	mg/L		0.0002	SW846-6020
Rhodium	UX	0.005	mg/L		0.005	SW846-6020
Selenium	U	0.005	mg/L		0.005	SW846-6020
Silver	UX	0.002	mg/L		0.002	SW846-6020
Sodium	N	0.0253	mg/L		0.01	SW846-6020
Tantalum	UX	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.01	mg/L		0.01	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Vanadium	NU	0.02	mg/L		0.02	SW846-6020
Zinc	NU	0.025	mg/L		0.025	SW846-6020
<b>METAL-D</b>						
Barium, Dissolved		0.235	mg/L		0.05	SW846-6020
<b>PHYSC</b>						
Dissolved Solids		255	mg/L		100	EPA-160.2
<b>RADS</b>						
Alpha activity	U	5.05	pCi/L	2.38	5.73	EPA-900.0
Beta activity		6.82	pCi/L	1.29	5.23	EPA-900.0
Iodine-131	U	-2.09	pCi/L	4.18	37.4	RL-7124

**MW395**

**SG03-01**

**C-746 S&T QUARTERLY - OCTOBER SG03-01**

Strontium-90	U	2.16	pCi/L	0.368	5.2	RL-7145
Technetium-99	U	8.28	pCi/L	10.8	15.6	RL-7100
Thorium-234	U	-91.6	pCi/L	183	294	RL-7124
Tritium	U	-83.4	pCi/L	164	277	704R5
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	JUX	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	JU	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	JU	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	JU	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene		0.012	mg/L		0.001	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L		0.005	SW846-8260
Vinyl acetate	JU	0.01	mg/L		0.01	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260
<b>WETCHEM</b>						
Chemical Oxygen Demand (COD)	U	35	mg/L		35	EPA-410.4 1978

**MW395**

**SG03-01**

**C-746 S&T QUARTERLY - OCTOBER SG03-01**

Cyanide	U	0.02 mg/L	0.02	SW846-9010-A
Iodide	BU	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.05 mg/L	0.05	SW846-9020B
Turbidity		1.8 NTU	0.5	EPA-180.1 1978

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**MW396**

**SG03-01**

**C-746 S&T QUARTERLY - OCTOBER SG03-01**

**MW396SG1-03**

Collected: 10/16/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	*	1.6	mg/L		1	SW846-9056
Chloride	*	101.4	mg/L		2	SW846-9056
Fluoride		0.46	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		20.6	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.44	Inches/Hg			
Conductivity		868	umho/cm			
Depth to Water		11.26	ft			
Dissolved Oxygen		0.54	mg/L			
pH		5.9	Std Unit			
Temperature		62.9	deg F			
<b>METAL</b>						
Aluminum	JNU	0.2	mg/L		0.2	SW846-6020
Antimony	UX	0.005	mg/L		0.005	SW846-6020
Barium		0.214	mg/L		0.05	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	JU	0.2	mg/L		0.2	SW846-6020
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium	N	40.2	mg/L		10	SW846-6020
Chromium	NU	0.02	mg/L		0.02	SW846-6020
Cobalt	U	0.001	mg/L		0.001	SW846-6020
Copper	N	0.026	mg/L		0.02	SW846-6020
Iron	N	7.43	mg/L		0.2	SW846-6020
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		17.8	mg/L		2	SW846-6020
Manganese		0.88	mg/L		0.05	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BUX	0.001	mg/L		0.001	SW846-6020
Nickel	BNU	0.005	mg/L		0.005	SW846-6020
Potassium	N	0.978	mg/L		0.2	SW846-6020
Rhodium	UX	0.005	mg/L		0.005	SW846-6020
Selenium		0.0102	mg/L		0.005	SW846-6020
Silver	UX	0.002	mg/L		0.002	SW846-6020
Sodium	N	117	mg/L		100	SW846-6020
Tantalum	UX	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.01	mg/L		0.01	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Vanadium	NU	0.02	mg/L		0.02	SW846-6020
Zinc	NU	0.025	mg/L		0.025	SW846-6020
<b>METAL-D</b>						
Barium, Dissolved		0.22	mg/L		0.05	SW846-6020
Selenium, Dissolved		0.00697	mg/L		0.005	SW846-6020
<b>PHYSC</b>						
Dissolved Solids		543	mg/L		100	EPA-160.2
<b>RADS</b>						
Alpha activity		16.9	pCi/L	6.51	10.7	EPA-900.0
Beta activity		7.28	pCi/L	1.43	6.62	EPA-900.0
Iodine-131	U	-4.57	pCi/L	9.15	37.4	RL-7124

## MW396

## SG03-01

## C-746 S&amp;T QUARTERLY - OCTOBER SG03-01

Strontium-90	U	2.62	pCi/L	0.437	5.2	RL-7145
Technetium-99	U	4.55	pCi/L	10.6	15.6	RL-7100
Thorium-234	U	23.2	pCi/L	46.5	302	RL-7124
Tritium	U	-76.8	pCi/L	164	277	704R5
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	JU	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	JU	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	JU	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	UX	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene	U	0.001	mg/L		0.001	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L		0.005	SW846-8260
Vinyl acetate	JU	0.01	mg/L		0.01	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260
<b>WETCHEM</b>						
Chemical Oxygen Demand (COD)		37	mg/L		35	EPA-410.4 1978

**MW396**

**SG03-01**

**C-746 S&T QUARTERLY - OCTOBER SG03-01**

Cyanide	U	0.02 mg/L	0.02	SW846-9010-A
Iodide	BU	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	X	10.4 mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.221 mg/L	0.05	SW846-9020B
Turbidity		34 NTU	0.5	EPA-180.1 1978

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MW397

SG03-01

C-746 S&T QUARTERLY - OCTOBER SG03-01

MW397SG1-03

Collected: 10/17/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	*U	1	mg/L		1	SW846-9056
Chloride	*	39.3	mg/L		2	SW846-9056
Fluoride		0.16	mg/L		0.1	9214
Nitrate as Nitrogen		2.1	mg/L		1	SW846-9056
Sulfate	*N	12.3	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.71	Inches/Hg			
Conductivity		317	umho/cm			
Depth to Water		62.19	ft			
Dissolved Oxygen		5.94	mg/L			
pH		5.75	Std Unit			
Redox		185	mV			
Temperature		60.3	deg F			
<b>METAL</b>						
Aluminum	JNU	0.0002	mg/L		0.0002	SW846-6020
Antimony	UX	0.005	mg/L		0.005	SW846-6020
Barium		0.129	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	JU	0.2	mg/L		0.2	SW846-6020
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium	N	0.0179	mg/L		0.01	SW846-6020
Chromium	NU	0.02	mg/L		0.02	SW846-6020
Cobalt	U	0.001	mg/L		0.001	SW846-6020
Copper	NU	0.02	mg/L		0.02	SW846-6020
Iron	NU	0.0002	mg/L		0.0002	SW846-6020
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		0.00658	mg/L		0.0002	SW846-6020
Manganese	N	0.028	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BUX	0.001	mg/L		0.001	SW846-6020
Nickel	BNU	0.005	mg/L		0.005	SW846-6020
Potassium	N	0.00145	mg/L		0.0002	SW846-6020
Rhodium	UX	0.005	mg/L		0.005	SW846-6020
Selenium	U	0.005	mg/L		0.005	SW846-6020
Silver	UX	0.002	mg/L		0.002	SW846-6020
Sodium	N	0.0336	mg/L		0.01	SW846-6020
Tantalum	UX	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.01	mg/L		0.01	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Vanadium	NU	0.02	mg/L		0.02	SW846-6020
Zinc	NU	0.025	mg/L		0.025	SW846-6020
<b>METAL-D</b>						
Barium, Dissolved		0.127	mg/L		0.05	SW846-6020
<b>PHYSC</b>						
Dissolved Solids		183	mg/L		100	EPA-160.2
<b>RADS</b>						
Alpha activity		6.11	pCi/L	2.6	5.34	EPA-900.0
Beta activity		9.3	pCi/L	1.62	5.12	EPA-900.0
Iodine-131	U	-3.76	pCi/L	7.53	36.8	RL-7124

## MW397

## SG03-01

## C-746 S&amp;T QUARTERLY - OCTOBER SG03-01

Strontium-90	U	2.07	pCi/L	0.353	5.2	RL-7145
Technetium-99		25.7	pCi/L	11.4	15.6	RL-7100
Thorium-234	U	252	pCi/L	504	311	RL-7124
Tritium	U	-110	pCi/L	164	277	704R5
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	JUX	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	JU	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	JU	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	JU	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene	U	0.001	mg/L		0.001	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L		0.005	SW846-8260
Vinyl acetate	JU	0.01	mg/L		0.01	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260
<b>WETCHEM</b>						
Chemical Oxygen Demand (COD)	U	35	mg/L		35	EPA-410.4 1978

**MW397**

**SG03-01**

**C-746 S&T QUARTERLY - OCTOBER SG03-01**

Cyanide	U	0.02 mg/L	0.02	SW846-9010-A
Iodide	BU	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.05 mg/L	0.05	SW846-9020B
Turbidity		1.8 NTU	0.5	EPA-180.1 1978

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## MW220

## SG03-02

## C-746 S&amp;T QUARTERLY - JANUARY SG03-02

## MW220SG2-03

Collected: 1/15/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		43.2	mg/L		2	SW846-9056
Fluoride		0.16	mg/L		0.1	9214
Nitrate as Nitrogen		1.5	mg/L		1	SW846-9056
Sulfate		9.8	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.97	Inches/Hg			
Conductivity		433.2	umho/cm			
Depth to Water		57.71	ft			
Dissolved Oxygen		7.25	mg/L			
pH		6.31	Std Unit			
Redox		1.95	mV			
Temperature		57.7	deg F			
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6020
Antimony	U	0.005	mg/L		0.005	SW846-6020
Barium		0.23	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	JU	0.2	mg/L		0.2	SW846-6020
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium	N	25.9	mg/L		10	SW846-6020
Chromium	N	0.0389	mg/L		0.02	SW846-6020
Cobalt		0.00496	mg/L		0.001	SW846-6020
Copper	BU	0.02	mg/L		0.02	SW846-6020
Iron	U	0.2	mg/L		0.2	SW846-6020
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium	J	10	mg/L		2	SW846-6020
Manganese		0.0291	mg/L		0.005	SW846-6020
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470
Molybdenum		0.00983	mg/L		0.001	SW846-6020
Nickel	N	0.738	mg/L		0.05	SW846-6020
Potassium	N	29.7	mg/L		2	SW846-6020
Rhodium	U	0.005	mg/L		0.005	SW846-6020
Selenium		0.00597	mg/L		0.005	SW846-6020
Silver	U	0.001	mg/L		0.001	SW846-6020
Sodium	N	40.6	mg/L		10	SW846-6020
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.01	mg/L		0.01	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.035	mg/L		0.035	SW846-6020
<b>METAL-D</b>						
Barium, Dissolved		0.228	mg/L		0.005	SW846-6020
Chromium, Dissolved		0.0208	mg/L		0.02	SW846-6020
<b>PHYSIC</b>						
Dissolved Solids		257	mg/L		50	EPA-160.2
<b>RADS</b>						
Alpha activity	U	0.876	pCi/L	0.468	4.57	EPA-900.0
Beta activity		42.5	pCi/L	4.81	6.03	EPA-900.0

## MW220

## SG03-02

## C-746 S&amp;T QUARTERLY - JANUARY SG03-02

Iodine-131	U	-7.69	pCi/L	15.4	20.2	RL-7124
Strontium-90	U	-2.15	pCi/L	0.38	7.68	RL-7145
Technetium-99		26.1	pCi/L	11.5	14.8	RL-7100
Thorium-234	U	-47.5	pCi/L	95	271	RL-7124
Tritium	U	-25.7	pCi/L	152	254	704R5
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	JU	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	JU	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	JU	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	JU	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene	U	0.001	mg/L		0.001	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L		0.005	SW846-8260
Vinyl acetate	U	0.01	mg/L		0.01	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260

**MW220**

**SG03-02**

**C-746 S&T QUARTERLY - JANUARY SG03-02**

**WETCHEM**

Chemical Oxygen Demand (COD)	U	35 mg/L	35	EPA-410.4 1978
Cyanide	UX	0.02 mg/L	0.02	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	XY	1.1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.01 mg/L	0.01	SW846-9020A
Turbidity		0.9 NTU	0.5	EPA-180.1 1978

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Paducah-OREIS Data Report

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12/18/2007

MW221

SG03-02

C-746 S&T QUARTERLY - JANUARY SG03-02

MW221SG2-03

Collected: 1/14/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		46.3	mg/L		2	SW846-9056
Fluoride		0.16	mg/L		0.1	9214
Nitrate as Nitrogen		1.8	mg/L		1	SW846-9056
Sulfate		12.9	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.97	Inches/Hg			
Conductivity		403	umho/cm			
Depth to Water		67.05	ft			
Dissolved Oxygen		3.35	mg/L			
pH		6.2	Std Unit			
Redox		235	mV			
Temperature		54.2	deg F			
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6020
Antimony	U	0.005	mg/L		0.005	SW846-6020
Barium	WX	0.232	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6020
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium	NW	23.1	mg/L		10	SW846-6020
Chromium		0.0347	mg/L		0.02	SW846-6020
Cobalt		0.0021	mg/L		0.001	SW846-6020
Copper	U	0.02	mg/L		0.02	SW846-6020
Iron	N	0.289	mg/L		0.2	SW846-6020
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium	JNX	9.44	mg/L		0.2	SW846-6020
Manganese	N	0.00735	mg/L		0.005	SW846-6020
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	B	0.00646	mg/L		0.001	SW846-6020
Nickel		0.176	mg/L		0.05	SW846-6020
Potassium	N	1.91	mg/L		0.2	SW846-6020
Rhodium	U	0.005	mg/L		0.005	SW846-6020
Selenium		0.00599	mg/L		0.005	SW846-6020
Silver	U	0.001	mg/L		0.001	SW846-6020
Sodium	JNX	39.8	mg/L		10	SW846-6020
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.01	mg/L		0.01	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.035	mg/L		0.035	SW846-6020
<b>METAL-D</b>						
Barium, Dissolved		0.22	mg/L		0.005	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
<b>PHYSC</b>						
Dissolved Solids		231	mg/L		50	EPA-160.2
<b>RADS</b>						
Alpha activity	U	-0.0004	pCi/L	0.0003	3.75	EPA-900.0
Beta activity		7.15	pCi/L	1.4	6.12	EPA-900.0

**MW221**

**SG03-02**

**C-746 S&T QUARTERLY - JANUARY SG03-02**

Iodine-131	U	-7.8	pCi/L	15.6	20.4	RL-7124
Strontium-90	U	-4.31	pCi/L	0.83	7.68	RL-7145
Technetium-99		15.3	pCi/L	11.1	14.8	RL-7100
Thorium-234		4290	pCi/L	262	228	RL-7124
Tritium	U	70	pCi/L	154	254	704R5
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	JU	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	JU	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	JU	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	JU	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene		0.002	mg/L		0.001	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L		0.005	SW846-8260
Vinyl acetate	U	0.01	mg/L		0.01	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260



**MW221**

**SG03-02**

**C-746 S&T QUARTERLY - JANUARY SG03-02**

**WETCHEM**

Chemical Oxygen Demand (COD)	U	35 mg/L	35	EPA-410.4 1978
Cyanide	UX	0.02 mg/L	0.02	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	UY	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.01 mg/L	0.01	SW846-9020A
Turbidity		2.5 NTU	0.5	EPA-180.1 1978

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MW222

SG03-02

C-746 S&T QUARTERLY - JANUARY SG03-02

MW222SG2-03

Collected: 1/14/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		34.8	mg/L		2	SW846-9056
Fluoride		0.25	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		10	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.97	Inches/Hg			
Conductivity		360	umho/cm			
Depth to Water		71.11	ft			
Dissolved Oxygen		0.47	mg/L			
pH		6.6	Std Unit			
Redox		195	mV			
Temperature		58.1	deg F			
<b>METAL</b>						
Aluminum		3.72	mg/L		0.2	SW846-6020
Antimony	U	0.005	mg/L		0.005	SW846-6020
Barium	WX	0.273	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6020
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium	NW	17.5	mg/L		10	SW846-6020
Chromium	U	0.2	mg/L		0.2	SW846-6020
Cobalt	U	0.01	mg/L		0.01	SW846-6020
Copper	U	0.2	mg/L		0.2	SW846-6020
Iron	NW	5.62	mg/L		2	SW846-6020
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium	JNX	7.29	mg/L		0.2	SW846-6020
Manganese	N	0.234	mg/L		0.05	SW846-6020
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	B	0.00522	mg/L		0.001	SW846-6020
Nickel		0.113	mg/L		0.05	SW846-6020
Potassium	U	2	mg/L		2	SW846-6020
Rhodium	U	0.005	mg/L		0.005	SW846-6020
Selenium	U	0.05	mg/L		0.05	SW846-6020
Silver	U	0.001	mg/L		0.001	SW846-6020
Sodium	JNX	44.2	mg/L		10	SW846-6020
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.01	mg/L		0.01	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.2	mg/L		0.2	SW846-6020
Zinc	*NU	0.35	mg/L		0.35	SW846-6020
<b>METAL-D</b>						
Barium, Dissolved		0.244	mg/L		0.005	SW846-6020
<b>PHYSC</b>						
Dissolved Solids		246	mg/L		50	EPA-160.2
<b>RADS</b>						
Alpha activity	U	0.673	pCi/L	0.509	3.57	EPA-900.0
Beta activity	U	5.14	pCi/L	1.07	6	EPA-900.0
Iodine-131	U	-3.05	pCi/L	6.09	21.9	RL-7124

## MW222

## SG03-02

## C-746 S&amp;T QUARTERLY - JANUARY SG03-02

Strontium-90	U	-3.68	pCi/L	0.695	7.68	RL-7145
Technetium-99		20	pCi/L	11.2	14.8	RL-7100
Thorium-234	U	32.4	pCi/L	167	156	RL-7124
Tritium	U	7	pCi/L	152	254	704R5
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	UX	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	JU	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	JU	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	JU	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene	U	0.001	mg/L		0.001	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L		0.005	SW846-8260
Vinyl acetate	U	0.01	mg/L		0.01	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260

**WETCHEM**

**MW222**

**SG03-02**

**C-746 S&T QUARTERLY - JANUARY SG03-02**

Chemical Oxygen Demand (COD)	U	35 mg/L	35	EPA-410.4 1978
Cyanide	UX	0.02 mg/L	0.02	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	Y	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.01 mg/L	0.01	SW846-9020A
Turbidity	J	65 NTU	0.5	EPA-180.1 1978

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Paducah-OREIS Data Report

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12/18/2007

MW223

SG03-02

C-746 S&T QUARTERLY - JANUARY SG03-02

MW223SG2-03

Collected: 1/14/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		41.3	mg/L		2	SW846-9056
Fluoride		0.18	mg/L		0.1	9214
Nitrate as Nitrogen		2	mg/L		1	SW846-9056
Sulfate		10.8	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.97	Inches/Hg			
Conductivity		368	umho/cm			
Depth to Water		70.32	ft			
Dissolved Oxygen		3.31	mg/L			
pH		6.3	Std Unit			
Redox		230	mV			
Temperature		56.9	deg F			
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6020
Antimony	U	0.005	mg/L		0.005	SW846-6020
Barium	WX	0.193	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6020
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium	NW	19.6	mg/L		10	SW846-6020
Chromium		0.0751	mg/L		0.02	SW846-6020
Cobalt		0.00412	mg/L		0.001	SW846-6020
Copper	U	0.02	mg/L		0.02	SW846-6020
Iron	N	0.82	mg/L		0.2	SW846-6020
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium	JNX	6.92	mg/L		0.2	SW846-6020
Manganese	N	0.0898	mg/L		0.005	SW846-6020
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	B	0.0121	mg/L		0.001	SW846-6020
Nickel		0.688	mg/L		0.05	SW846-6020
Potassium	N	3.21	mg/L		0.2	SW846-6020
Rhodium	U	0.005	mg/L		0.005	SW846-6020
Selenium	U	0.005	mg/L		0.005	SW846-6020
Silver	U	0.001	mg/L		0.001	SW846-6020
Sodium	JNX	36.6	mg/L		10	SW846-6020
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.01	mg/L		0.01	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.035	mg/L		0.035	SW846-6020
<b>METAL-D</b>						
Barium, Dissolved		0.179	mg/L		0.005	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
<b>PHYSC</b>						
Dissolved Solids		213	mg/L		100	EPA-160.2
<b>RADS</b>						
Alpha activity	U	0.199	pCi/L	0.163	3.6	EPA-900.0
Beta activity		9.38	pCi/L	1.72	6.02	EPA-900.0

## MW223

## SG03-02

## C-746 S&amp;T QUARTERLY - JANUARY SG03-02

Iodine-131	U	7.85	pCi/L	15.7	22.4	RL-7124
Strontium-90	U	-3.68	pCi/L	0.689	7.68	RL-7145
Technetium-99		24.5	pCi/L	11.3	14.8	RL-7100
Thorium-234		474	pCi/L	203	167	RL-7124
Tritium	U	-2.33	pCi/L	152	254	704R5
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	JU	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	JU	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	JU	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	JU	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene	U	0.001	mg/L		0.001	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L		0.005	SW846-8260
Vinyl acetate	U	0.01	mg/L		0.01	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260

**MW223**

**SG03-02**

**C-746 S&T QUARTERLY - JANUARY SG03-02**

**WETCHEM**

Chemical Oxygen Demand (COD)	U	35 mg/L	35	EPA-410.4 1978
Cyanide	UX	0.02 mg/L	0.02	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	UXY	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.01 mg/L	0.01	SW846-9020A
Turbidity		9.4 NTU	0.5	EPA-180.1 1978

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**MW224**

**SG03-02**

**C-746 S&T QUARTERLY - JANUARY SG03-02**

**MW224SG2-03**

Collected: 1/14/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		35.4	mg/L		2	SW846-9056
Fluoride		0.23	mg/L		0.1	9214
Nitrate as Nitrogen		1.4	mg/L		1	SW846-9056
Sulfate		12.9	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.97	Inches/Hg			
Conductivity		452	umho/cm			
Depth to Water		71.54	ft			
Dissolved Oxygen		1.84	mg/L			
pH		6.2	Std Unit			
Redox		200	mV			
Temperature		57.8	deg F			
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6020
Antimony	U	0.005	mg/L		0.005	SW846-6020
Barium	WX	0.229	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6020
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium	NW	26.9	mg/L		10	SW846-6020
Chromium	U	0.02	mg/L		0.02	SW846-6020
Cobalt	U	0.001	mg/L		0.001	SW846-6020
Copper	U	0.02	mg/L		0.02	SW846-6020
Iron	NU	0.2	mg/L		0.2	SW846-6020
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium	JNX	9.97	mg/L		2	SW846-6020
Manganese	N	0.00976	mg/L		0.005	SW846-6020
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	N	0.0131	mg/L		0.005	SW846-6020
Potassium	N	1.07	mg/L		0.2	SW846-6020
Rhodium	U	0.005	mg/L		0.005	SW846-6020
Selenium		0.00554	mg/L		0.005	SW846-6020
Silver	U	0.001	mg/L		0.001	SW846-6020
Sodium	JNX	51.5	mg/L		10	SW846-6020
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.01	mg/L		0.01	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.035	mg/L		0.035	SW846-6020
<b>METAL-D</b>						
Barium, Dissolved		0.229	mg/L		0.005	SW846-6020
<b>PHYSC</b>						
Dissolved Solids		266	mg/L		50	EPA-160.2
<b>RADS</b>						
Alpha activity	U	1.04	pCi/L	0.732	3.92	EPA-900.0
Beta activity	U	5.98	pCi/L	1.22	6.23	EPA-900.0
Iodine-131	U	5.95	pCi/L	11.9	22.6	RL-7124



## MW224

## SG03-02

## C-746 S&amp;T QUARTERLY - JANUARY SG03-02

Strontium-90	U	-5.48	pCi/L	1.14	7.68	RL-7145
Technetium-99	U	6.69	pCi/L	10.7	14.8	RL-7100
Thorium-234	U	-116	pCi/L	232	274	RL-7124
Tritium	U	18.7	pCi/L	153	254	704R5
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	JU	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	JU	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	JU	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	JU	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene		0.002	mg/L		0.001	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L		0.005	SW846-8260
Vinyl acetate	U	0.01	mg/L		0.01	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260

## WETCHEM

**MW224**

**SG03-02**

**C-746 S&T QUARTERLY - JANUARY SG03-02**

Chemical Oxygen Demand (COD)	U	35 mg/L	35	EPA-410.4 1978
Cyanide	UX	0.02 mg/L	0.02	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	XY	1.1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.01 mg/L	0.01	SW846-9020A
Turbidity		0.6 NTU	0.5	EPA-180.1 1978

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**MW384**

**SG03-02**

**C-746 S&T QUARTERLY - JANUARY SG03-02**

**MW384SG2-03**

Collected: 1/13/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		68.9	mg/L		2	SW846-9056
Fluoride		0.36	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		8.9	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		30.03	Inches/Hg			
Conductivity		880	umho/cm			
Depth to Water		41.25	ft			
Dissolved Oxygen		0.94	mg/L			
pH		6.54	Std Unit			
Temperature		58.9	deg F			
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6020
Antimony	U	0.005	mg/L		0.005	SW846-6020
Arsenic		0.0175	mg/L		0.01	SW846-6020
Barium	WX	0.336	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6020
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium	NW	34.9	mg/L		10	SW846-6020
Chromium	U	0.02	mg/L		0.02	SW846-6020
Cobalt	U	0.001	mg/L		0.001	SW846-6020
Copper	U	0.02	mg/L		0.02	SW846-6020
Iron	N	6.47	mg/L		0.2	SW846-6020
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium	JNX	11.1	mg/L		2	SW846-6020
Manganese	N	2.78	mg/L		0.05	SW846-6020
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	NU	0.005	mg/L		0.005	SW846-6020
Potassium	N	1.35	mg/L		0.2	SW846-6020
Rhodium	U	0.005	mg/L		0.005	SW846-6020
Selenium		0.00608	mg/L		0.005	SW846-6020
Silver	U	0.001	mg/L		0.001	SW846-6020
Sodium	JNX	112	mg/L		10	SW846-6020
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.01	mg/L		0.01	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.035	mg/L		0.035	SW846-6020
<b>METAL-D</b>						
Barium, Dissolved		0.311	mg/L		0.005	SW846-6020
<b>PHYSC</b>						
Dissolved Solids		408	mg/L		50	EPA-160.2
<b>RADS</b>						
Alpha activity	U	1.52	pCi/L	0.963	5.81	EPA-900.0
Beta activity		24.2	pCi/L	3.54	7.29	EPA-900.0
Iodine-131	U	5.99	pCi/L	12	21.6	RL-7124

## MW384

## SG03-02

## C-746 S&amp;T QUARTERLY - JANUARY SG03-02

Strontium-90	U	6.52	pCi/L	0.886	7.68	RL-7145
Technetium-99		33	pCi/L	11.7	14.8	RL-7100
Thorium-234	U	-86.7	pCi/L	173	272	RL-7124
Tritium	U	37.3	pCi/L	153	254	704R5
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	JU	0.01	mg/L		0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	JU	0.01	mg/L		0.01	SW846-8260
Acetone	JUX	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	JU	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	JU	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	JU	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	JU	0.005	mg/L		0.005	SW846-8260
Methylene chloride	JU	0.005	mg/L		0.005	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	UX	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene		0.002	mg/L		0.001	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L		0.005	SW846-8260
Vinyl acetate	JU	0.01	mg/L		0.01	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260

## WETCHEM

**MW384**

**SG03-02**

**C-746 S&T QUARTERLY - JANUARY SG03-02**

Chemical Oxygen Demand (COD)	U	35 mg/L	35	EPA-410.4 1978
Cyanide	UX	0.02 mg/L	0.02	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		10.2 mg/L	2	SW846-9060
Total Organic Halides (TOX)		0.24 mg/L	0.01	SW846-9020A
Turbidity		28 NTU	0.5	EPA-180.1 1978

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MW385

SG03-02

C-746 S&T QUARTERLY - JANUARY SG03-02

MW385SG2-03

Collected: 1/14/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		34	mg/L		2	SW846-9056
Fluoride		0.55	mg/L		0.1	9214
Nitrate as Nitrogen		1.2	mg/L		1	SW846-9056
Sulfate		22.4	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.97	Inches/Hg			
Conductivity		460	umho/cm			
Depth to Water		41.7	ft			
Dissolved Oxygen		2.14	mg/L			
pH		6.5	Std Unit			
Redox		155	mV			
Temperature		59.2	deg F			
<b>METAL</b>						
Aluminum		0.268	mg/L		0.2	SW846-6020
Antimony	U	0.005	mg/L		0.005	SW846-6020
Barium	WX	0.171	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6020
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium	NW	36	mg/L		10	SW846-6020
Chromium	U	0.02	mg/L		0.02	SW846-6020
Cobalt	U	0.001	mg/L		0.001	SW846-6020
Copper	U	0.02	mg/L		0.02	SW846-6020
Iron	NU	0.2	mg/L		0.2	SW846-6020
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium	JNX	8.57	mg/L		0.2	SW846-6020
Manganese	N	0.0303	mg/L		0.005	SW846-6020
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	B	0.00214	mg/L		0.001	SW846-6020
Nickel	NU	0.005	mg/L		0.005	SW846-6020
Potassium	N	1.74	mg/L		0.2	SW846-6020
Rhodium	U	0.005	mg/L		0.005	SW846-6020
Selenium		0.00608	mg/L		0.005	SW846-6020
Silver	U	0.001	mg/L		0.001	SW846-6020
Sodium	JNX	32.4	mg/L		10	SW846-6020
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.01	mg/L		0.01	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.035	mg/L		0.035	SW846-6020
<b>METAL-D</b>						
Barium, Dissolved		0.172	mg/L		0.005	SW846-6020
<b>PHYSC</b>						
Dissolved Solids		269	mg/L		50	EPA-160.2
<b>RADS</b>						
Alpha activity		4.11	pCi/L	1.61	3.64	EPA-900.0
Beta activity		59.2	pCi/L	5.67	6.04	EPA-900.0
Iodine-131	U	4.57	pCi/L	9.14	22.2	RL-7124

**MW385****SG03-02****C-746 S&T QUARTERLY - JANUARY SG03-02**

Strontium-90	U	-4.6	pCi/L	0.906	7.68	RL-7145
Technetium-99		109	pCi/L	14.2	14.8	RL-7100
Thorium-234		210	pCi/L	158	160	RL-7124
Tritium	U	23.3	pCi/L	153	254	704R5
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	JU	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	JU	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	JU	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	JU	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	JU	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene	U	0.001	mg/L		0.001	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L		0.005	SW846-8260
Vinyl acetate	U	0.01	mg/L		0.01	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260

**WETCHEM**

**MW385**

**SG03-02**

**C-746 S&T QUARTERLY - JANUARY SG03-02**

Chemical Oxygen Demand (COD)	U	35 mg/L	35	EPA-410.4 1978
Cyanide	UX	0.02 mg/L	0.02	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	Y	1.7 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.01 mg/L	0.01	SW846-9020A
Turbidity		2.2 NTU	0.5	EPA-180.1 1978

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SG03-02

C-746 S&T QUARTERLY - JANUARY SG03-02

MW386SG2-03

Collected: 1/13/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		28.2	mg/L		2	SW846-9056
Fluoride		0.21	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		14.1	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		30.03	Inches/Hg			
Conductivity		526	umho/cm			
Depth to Water		20.5	ft			
Dissolved Oxygen		1.16	mg/L			
pH		6.15	Std Unit			
Redox		0	mV			
Temperature		58	deg F			
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6020
Antimony	U	0.005	mg/L		0.005	SW846-6020
Barium	WX	0.0383	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6020
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium	NW	18.8	mg/L		10	SW846-6020
Chromium	U	0.2	mg/L		0.2	SW846-6020
Cobalt	U	0.01	mg/L		0.01	SW846-6020
Copper	U	0.2	mg/L		0.2	SW846-6020
Iron	NUW	2	mg/L		2	SW846-6020
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium	JX	7.04	mg/L		0.2	SW846-6020
Manganese	N	0.144	mg/L		0.05	SW846-6020
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	B	0.00148	mg/L		0.001	SW846-6020
Nickel	U	0.05	mg/L		0.05	SW846-6020
Potassium	U	2	mg/L		2	SW846-6020
Rhodium	U	0.005	mg/L		0.005	SW846-6020
Selenium	U	0.005	mg/L		0.005	SW846-6020
Silver	U	0.001	mg/L		0.001	SW846-6020
Sodium	JNX	70	mg/L		10	SW846-6020
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.01	mg/L		0.01	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.2	mg/L		0.2	SW846-6020
Zinc	U	0.035	mg/L		0.035	SW846-6020
<b>METAL-D</b>						
Barium, Dissolved		0.0404	mg/L		0.005	SW846-6020
<b>PHYSC</b>						
Dissolved Solids		306	mg/L		50	EPA-160.2
<b>RADS</b>						
Alpha activity	U	1.32	pCi/L	0.932	4.67	EPA-900.0
Beta activity	U	4.68	pCi/L	1.01	6.67	EPA-900.0
Iodine-131	U	-7.21	pCi/L	14.4	15.6	RL-7124

## MW386

## SG03-02

## C-746 S&amp;T QUARTERLY - JANUARY SG03-02

Strontium-90	U	-3.49	pCi/L	0.635	7.68	RL-7145
Technetium-99	U	14.1	pCi/L	11	14.8	RL-7100
Thorium-234		1010	pCi/L	178	190	RL-7124
Tritium	U	84	pCi/L	154	254	704R5
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	JU	0.01	mg/L		0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	JU	0.01	mg/L		0.01	SW846-8260
Acetone	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	JU	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	JU	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	JU	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	JU	0.005	mg/L		0.005	SW846-8260
Methylene chloride	JU	0.005	mg/L		0.005	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene	U	0.001	mg/L		0.001	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L		0.005	SW846-8260
Vinyl acetate	JU	0.01	mg/L		0.01	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260

## WETCHEM

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## MW386

### SG03-02

### C-746 S&T QUARTERLY - JANUARY SG03-02

Chemical Oxygen Demand (COD)	U	35	mg/L	35	EPA-410.4 1978
Cyanide	UX	0.02	mg/L	0.02	SW846-9010-A
Iodide	U	2	mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	Y	5.4	mg/L	2	SW846-9060
Total Organic Halides (TOX)		0.0306	mg/L	0.01	SW846-9020A
Turbidity		2.8	NTU	0.5	EPA-180.1 1978

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MW386

SG03-02

C-746 S&T QUARTERLY - JANUARY SG03-02

MW386DSG2-03

Collected: 1/13/2003

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		22.3	mg/L		2	SW846-9056
Fluoride		0.2	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		16.5	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		30.03	Inches/Hg			
Conductivity		526	umho/cm			
Depth to Water		20.5	ft			
Dissolved Oxygen		1.16	mg/L			
pH		6.15	Std Unit			
Redox		0	mV			
Temperature		58	deg F			
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6020
Antimony	U	0.005	mg/L		0.005	SW846-6020
Barium	WX	0.0334	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6020
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium	NW	17.3	mg/L		10	SW846-6020
Chromium	U	0.02	mg/L		0.02	SW846-6020
Cobalt	U	0.001	mg/L		0.001	SW846-6020
Copper	U	0.02	mg/L		0.02	SW846-6020
Iron	N	0.542	mg/L		0.2	SW846-6020
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium	JNX	5.75	mg/L		0.2	SW846-6020
Manganese	N	0.129	mg/L		0.005	SW846-6020
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	B	0.00137	mg/L		0.001	SW846-6020
Nickel	NU	0.005	mg/L		0.005	SW846-6020
Potassium	N	0.785	mg/L		0.2	SW846-6020
Rhodium	U	0.005	mg/L		0.005	SW846-6020
Selenium	U	0.005	mg/L		0.005	SW846-6020
Silver	U	0.001	mg/L		0.001	SW846-6020
Sodium	JNX	71.2	mg/L		10	SW846-6020
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.01	mg/L		0.01	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.035	mg/L		0.035	SW846-6020
<b>METAL-D</b>						
Barium, Dissolved		0.0335	mg/L		0.005	SW846-6020
<b>PHYSC</b>						
Dissolved Solids		309	mg/L		50	EPA-160.2
<b>RADS</b>						
Alpha activity	U	0.832	pCi/L	0.629	4.55	EPA-900.0
Beta activity	U	6.18	pCi/L	1.27	6.61	EPA-900.0
Iodine-131	U	-0.281	pCi/L	0.561	17.5	RL-7124

## MW386

## SG03-02

## C-746 S&amp;T QUARTERLY - JANUARY SG03-02

Strontium-90	U	-4.43	pCi/L	0.838	7.68	RL-7145
Technetium-99		17.2	pCi/L	11.2	14.8	RL-7100
Thorium-234	U	-118	pCi/L	237	261	RL-7124
Tritium	U	70	pCi/L	154	254	704R5
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	JU	0.01	mg/L		0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	JU	0.01	mg/L		0.01	SW846-8260
Acetone	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	JU	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	JU	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	JU	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	JU	0.005	mg/L		0.005	SW846-8260
Methylene chloride	JU	0.005	mg/L		0.005	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene	U	0.001	mg/L		0.001	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L		0.005	SW846-8260
Vinyl acetate	JU	0.01	mg/L		0.01	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260

## WETCHEM

**MW386**

**SG03-02**

**C-746 S&T QUARTERLY - JANUARY SG03-02**

Chemical Oxygen Demand (COD)	U	35 mg/L	35	EPA-410.4 1978
Cyanide	UX	0.02 mg/L	0.02	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	Y	6.7 mg/L	2	SW846-9060
Total Organic Halides (TOX)		0.0269 mg/L	0.01	SW846-9020A
Turbidity		1.9 NTU	0.5	EPA-180.1 1978

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MW387

SG03-02

C-746 S&T QUARTERLY - JANUARY SG03-02

MW387SG2-03

Collected: 1/14/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		49.4	mg/L		2	SW846-9056
Fluoride		0.96	mg/L		0.1	9214
Nitrate as Nitrogen		1.7	mg/L		1	SW846-9056
Sulfate		26.6	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.97	Inches/Hg			
Conductivity		489	umho/cm			
Depth to Water		39.47	ft			
Dissolved Oxygen		4.57	mg/L			
pH		5.96	Std Unit			
Redox		155	mV			
Temperature		60.5	deg F			
<b>METAL</b>						
Aluminum		0.639	mg/L		0.2	SW846-6020
Antimony	U	0.005	mg/L		0.005	SW846-6020
Barium	WX	0.184	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6020
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium	NW	32	mg/L		10	SW846-6020
Chromium	U	0.02	mg/L		0.02	SW846-6020
Cobalt	U	0.001	mg/L		0.001	SW846-6020
Copper	U	0.02	mg/L		0.02	SW846-6020
Iron	N	1.08	mg/L		0.2	SW846-6020
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium	JNX	12.2	mg/L		2	SW846-6020
Manganese	N	0.0665	mg/L		0.005	SW846-6020
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	NU	0.005	mg/L		0.005	SW846-6020
Potassium	N	1.78	mg/L		0.2	SW846-6020
Rhodium	U	0.005	mg/L		0.005	SW846-6020
Selenium		0.00797	mg/L		0.005	SW846-6020
Silver	U	0.001	mg/L		0.001	SW846-6020
Sodium	JNX	45.5	mg/L		10	SW846-6020
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.01	mg/L		0.01	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.035	mg/L		0.035	SW846-6020
<b>METAL-D</b>						
Barium, Dissolved		0.181	mg/L		0.005	SW846-6020
<b>PHYSC</b>						
Dissolved Solids		278	mg/L		50	EPA-160.2
<b>RADS</b>						
Alpha activity		5.35	pCi/L	1.89	4.06	EPA-900.0
Beta activity		89.6	pCi/L	7.28	6.32	EPA-900.0
Iodine-131	U	-18.9	pCi/L	37.8	18.1	RL-7124

## MW387

## SG03-02

## C-746 S&amp;T QUARTERLY - JANUARY SG03-02

Strontium-90	U	-0.19	pCi/L	0.031	7.68	RL-7145
Technetium-99		112	pCi/L	14.3	14.8	RL-7100
Thorium-234	U	139	pCi/L	279	298	RL-7124
Tritium	U	-44.3	pCi/L	151	254	704R5
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	JU	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	JU	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	JU	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	JU	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene		0.002	mg/L		0.001	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L		0.005	SW846-8260
Vinyl acetate	U	0.01	mg/L		0.01	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260

## WETCHEM



**MW387**

**SG03-02**

**C-746 S&T QUARTERLY - JANUARY SG03-02**

Chemical Oxygen Demand (COD)	U	35 mg/L	35	EPA-410.4 1978
Cyanide	UX	0.02 mg/L	0.02	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	Y	1.4 mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.0104 mg/L	0.01	SW846-9020A
Turbidity		18 NTU	0.5	EPA-180.1 1978

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MW388

SG03-02

C-746 S&amp;T QUARTERLY - JANUARY SG03-02

MW388SG2-03

Collected: 1/14/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		45.1	mg/L		2	SW846-9056
Fluoride		0.31	mg/L		0.1	9214
Nitrate as Nitrogen		1.7	mg/L		1	SW846-9056
Sulfate		16.5	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.97	Inches/Hg			
Conductivity		409	umho/cm			
Depth to Water		39.5	ft			
Dissolved Oxygen		4.5	mg/L			
pH		5.93	Std Unit			
Redox		165	mV			
Temperature		58.8	deg F			
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6020
Antimony	U	0.005	mg/L		0.005	SW846-6020
Barium	WX	0.186	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6020
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium	NW	25.3	mg/L		10	SW846-6020
Chromium	U	0.02	mg/L		0.02	SW846-6020
Cobalt	U	0.001	mg/L		0.001	SW846-6020
Copper	U	0.02	mg/L		0.02	SW846-6020
Iron	NU	0.2	mg/L		0.2	SW846-6020
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium	JNX	10.3	mg/L		0.2	SW846-6020
Manganese	N	0.0578	mg/L		0.005	SW846-6020
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	N	0.00568	mg/L		0.005	SW846-6020
Potassium	N	1.67	mg/L		0.2	SW846-6020
Rhodium	U	0.005	mg/L		0.005	SW846-6020
Selenium		0.00717	mg/L		0.005	SW846-6020
Silver	U	0.001	mg/L		0.001	SW846-6020
Sodium	JNX	39.5	mg/L		10	SW846-6020
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.01	mg/L		0.01	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.035	mg/L		0.035	SW846-6020
<b>METAL-D</b>						
Barium, Dissolved		0.19	mg/L		0.005	SW846-6020
<b>PHYSC</b>						
Dissolved Solids		230	mg/L		50	EPA-160.2
<b>RADS</b>						
Alpha activity	U	3.51	pCi/L	1.57	3.63	EPA-900.0
Beta activity		30.8	pCi/L	3.85	6.04	EPA-900.0
Iodine-131	U	-0.194	pCi/L	0.388	20.1	RL-7124

## MW388

## SG03-02

## C-746 S&amp;T QUARTERLY - JANUARY SG03-02

Strontium-90	U	-2.58	pCi/L	0.459	7.68	RL-7145
Technetium-99		43.8	pCi/L	12.1	14.8	RL-7100
Thorium-234	U	-87	pCi/L	174	268	RL-7124
Tritium	U	16.3	pCi/L	153	254	704R5
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	JU	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	JU	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	JU	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	JU	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene		0.002	mg/L		0.001	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L		0.005	SW846-8260
Vinyl acetate	U	0.01	mg/L		0.01	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260

## WETCHEM

**MW388**

**SG03-02**

**C-746 S&T QUARTERLY - JANUARY SG03-02**

Chemical Oxygen Demand (COD)	U	35 mg/L	35	EPA-410.4 1978
Cyanide	UX	0.02 mg/L	0.02	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	Y	1.2 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.01 mg/L	0.01	SW846-9020A
Turbidity		1.9 NTU	0.5	EPA-180.1 1978

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**MW390**

**SG03-02**

**C-746 S&T QUARTERLY - JANUARY SG03-02**

**MW390SG2-03**

Collected: 1/14/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide		2.8	mg/L		1	SW846-9056
Chloride		316	mg/L		2	SW846-9056
Fluoride		0.21	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		6.2	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.97	Inches/Hg			
Conductivity		1278	umho/cm			
Depth to Water		36.55	ft			
Dissolved Oxygen		1.43	mg/L			
pH		6.03	Std Unit			
Redox		25	mV			
Temperature		58.3	deg F			
<b>METAL</b>						
Aluminum		5.98	mg/L		0.2	SW846-6020
Antimony	U	0.005	mg/L		0.005	SW846-6020
Barium	WX	0.542	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6020
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium	NW	73.5	mg/L		10	SW846-6020
Chromium	U	0.2	mg/L		0.2	SW846-6020
Cobalt		0.0289	mg/L		0.01	SW846-6020
Copper	U	0.2	mg/L		0.2	SW846-6020
Iron	NW	11.1	mg/L		2	SW846-6020
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium	JNX	26.4	mg/L		2	SW846-6020
Manganese	N	0.496	mg/L		0.05	SW846-6020
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	U	0.05	mg/L		0.05	SW846-6020
Potassium	U	2	mg/L		2	SW846-6020
Rhodium	U	0.005	mg/L		0.005	SW846-6020
Selenium	U	0.05	mg/L		0.05	SW846-6020
Silver	U	0.001	mg/L		0.001	SW846-6020
Sodium	JNX	100	mg/L		10	SW846-6020
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.01	mg/L		0.01	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.2	mg/L		0.2	SW846-6020
Zinc	*NU	0.35	mg/L		0.35	SW846-6020
<b>METAL-D</b>						
Barium, Dissolved		0.498	mg/L		0.005	SW846-6020
<b>PHYSC</b>						
Dissolved Solids		727	mg/L		50	EPA-160.2
<b>RADS</b>						
Alpha activity	U	6.82	pCi/L	3.31	7.5	EPA-900.0
Beta activity		19.5	pCi/L	3.16	8.08	EPA-900.0
Iodine-131	U	-4.61	pCi/L	9.23	20.4	RL-7124

## MW390

## SG03-02

## C-746 S&amp;T QUARTERLY - JANUARY SG03-02

Strontium-90	U	-0.192	pCi/L	0.0313	7.68	RL-7145
Technetium-99		28.4	pCi/L	11.5	14.8	RL-7100
Thorium-234	U	-113	pCi/L	226	268	RL-7124
Tritium	U	-58.3	pCi/L	151	254	704R5
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	JU	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	JU	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	JU	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	JU	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene	U	0.001	mg/L		0.001	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L		0.005	SW846-8260
Vinyl acetate	U	0.01	mg/L		0.01	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260

## WETCHEM

**MW390**

**SG03-02**

**C-746 S&T QUARTERLY - JANUARY SG03-02**

Chemical Oxygen Demand (COD)	U	35 mg/L	35	EPA-410.4 1978
Cyanide	UX	0.02 mg/L	0.02	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	XY	2.7 mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.0109 mg/L	0.01	SW846-9020A
Turbidity	J	75 NTU	0.5	EPA-180.1 1978

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MW391

SG03-02

C-746 S&T QUARTERLY - JANUARY SG03-02

MW391SG2-03

Collected: 1/15/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		42	mg/L		2	SW846-9056
Fluoride		0.16	mg/L		0.1	9214
Nitrate as Nitrogen		1.1	mg/L		1	SW846-9056
Sulfate		9.3	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		30.24	Inches/Hg			
Conductivity		336	umho/cm			
Depth to Water		43.02	ft			
Dissolved Oxygen		3.98	mg/L			
pH		5.9	Std Unit			
Redox		245	mV			
Temperature		54.4	deg F			
<b>METAL</b>						
Aluminum		5.57	mg/L		0.2	SW846-6020
Antimony	U	0.005	mg/L		0.005	SW846-6020
Barium	WX	0.311	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6020
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium	NW	24.1	mg/L		10	SW846-6020
Chromium	U	0.2	mg/L		0.2	SW846-6020
Cobalt	U	0.01	mg/L		0.01	SW846-6020
Copper	U	0.2	mg/L		0.2	SW846-6020
Iron	NW	25.9	mg/L		2	SW846-6020
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium	JNX	9.29	mg/L		0.2	SW846-6020
Manganese	N	0.387	mg/L		0.05	SW846-6020
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	B	0.00115	mg/L		0.001	SW846-6020
Nickel	U	0.05	mg/L		0.05	SW846-6020
Potassium	U	2	mg/L		2	SW846-6020
Rhodium	U	0.005	mg/L		0.005	SW846-6020
Selenium	U	0.05	mg/L		0.05	SW846-6020
Silver	U	0.001	mg/L		0.001	SW846-6020
Sodium	JNX	28.4	mg/L		10	SW846-6020
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.01	mg/L		0.01	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.2	mg/L		0.2	SW846-6020
Zinc	*NU	0.35	mg/L		0.35	SW846-6020
<b>METAL-D</b>						
Barium, Dissolved		0.216	mg/L		0.005	SW846-6020
<b>PHYSC</b>						
Dissolved Solids		222	mg/L		52	EPA-160.2
<b>RADS</b>						
Alpha activity	U	2.58	pCi/L	1.38	3.32	EPA-900.0
Beta activity	U	4.54	pCi/L	0.963	5.83	EPA-900.0
Iodine-131	U	-6.8	pCi/L	13.6	20.9	RL-7124



**MW391**

**SG03-02**

**C-746 S&T QUARTERLY - JANUARY SG03-02**

Strontium-90	U	-1.26	pCi/L	0.215	7.68	RL-7145
Technetium-99		28.7	pCi/L	11.6	14.8	RL-7100
Thorium-234	U	9.63	pCi/L	19.3	273	RL-7124
Tritium	U	-25.7	pCi/L	152	254	704R5
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	JUX	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	JU	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	JU	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	JU	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene		0.013	mg/L		0.001	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L		0.005	SW846-8260
Vinyl acetate	U	0.01	mg/L		0.01	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260

**WETCHEM**

**MW391**

**SG03-02**

**C-746 S&T QUARTERLY - JANUARY SG03-02**

Chemical Oxygen Demand (COD)	U	35 mg/L	35	EPA-410.4 1978
Cyanide	UX	0.02 mg/L	0.02	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	UXY	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.01 mg/L	0.01	SW846-9020A
Turbidity	JX	240 NTU	0.5	EPA-180.1 1978

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MW392

SG03-02

C-746 S&T QUARTERLY - JANUARY SG03-02

MW392SG2-03

Collected: 1/15/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		43.8	mg/L		2	SW846-9056
Fluoride		0.28	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		7.3	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.97	Inches/Hg			
Conductivity		465.2	umho/cm			
Depth to Water		42.1	ft			
Dissolved Oxygen		0.14	mg/L			
pH		6.43	Std Unit			
Temperature		58	deg F			
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6020
Antimony	U	0.005	mg/L		0.005	SW846-6020
Barium		0.275	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	JU	0.2	mg/L		0.2	SW846-6020
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium	N	26.5	mg/L		10	SW846-6020
Chromium	NU	0.02	mg/L		0.02	SW846-6020
Cobalt	BU	0.001	mg/L		0.001	SW846-6020
Copper	BU	0.02	mg/L		0.02	SW846-6020
Iron		7.68	mg/L		0.2	SW846-6020
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium	J	10.4	mg/L		0.2	SW846-6020
Manganese		1.709	mg/L		0.05	SW846-6020
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	U	0.005	mg/L		0.005	SW846-6020
Potassium		1.76	mg/L		0.2	SW846-6020
Rhodium	U	0.005	mg/L		0.005	SW846-6020
Selenium	U	0.005	mg/L		0.005	SW846-6020
Silver	U	0.001	mg/L		0.001	SW846-6020
Sodium	N	63.3	mg/L		10	SW846-6020
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.01	mg/L		0.01	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.035	mg/L		0.035	SW846-6020
<b>METAL-D</b>						
Barium, Dissolved		0.258	mg/L		0.005	SW846-6020
<b>PHYSC</b>						
Dissolved Solids		290	mg/L		50	EPA-160.2
<b>RADS</b>						
Alpha activity	U	2.93	pCi/L	1.62	4.45	EPA-900.0
Beta activity		8.34	pCi/L	1.6	6.55	EPA-900.0
Iodine-131	U	-0.558	pCi/L	1.12	24.1	RL-7124
Strontium-90	U	-2.22	pCi/L	0.4	6.32	RL-7145

## MW392

## SG03-02

## C-746 S&amp;T QUARTERLY - JANUARY SG03-02

Technetium-99	U	-7.38	pCi/L	0	20.1	RL-7100
Thorium-234	U	50	pCi/L	178	143	RL-7124
Tritium	U	-74.6	pCi/L	151	254	704R5
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	JU	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	JU	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	JU	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	UX	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	JU	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	UX	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene		0.008	mg/L		0.001	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L		0.005	SW846-8260
Vinyl acetate	U	0.01	mg/L		0.01	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260
<b>WETCHEM</b>						
Chemical Oxygen Demand (COD)	U	35	mg/L		35	EPA-410.4 1978

**MW392**

**SG03-02**

**C-746 S&T QUARTERLY - JANUARY SG03-02**

Cyanide	UX	0.02 mg/L	0.02	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	XY	9.4 mg/L	2	SW846-9060
Total Organic Halides (TOX)		0.108 mg/L	0.01	SW846-9020A
Turbidity		17 NTU	0.5	EPA-180.1 1978

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## MW393

## SG03-02

## C-746 S&amp;T QUARTERLY - JANUARY SG03-02

## MW393SG2-03

Collected: 1/15/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		26.3	mg/L		2	SW846-9056
Fluoride		0.2	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate	U	5	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		30.24	Inches/Hg			
Conductivity		848	umho/cm			
Depth to Water		27.66	ft			
Dissolved Oxygen		1.63	mg/L			
pH		6.4	Std Unit			
Temperature		55.1	deg F			
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6020
Antimony	U	0.005	mg/L		0.005	SW846-6020
Barium	WX	0.0768	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6020
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium	NW	23.6	mg/L		10	SW846-6020
Chromium	U	0.2	mg/L		0.2	SW846-6020
Cobalt	U	0.01	mg/L		0.01	SW846-6020
Copper	U	0.2	mg/L		0.2	SW846-6020
Iron	NW	8.28	mg/L		2	SW846-6020
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium	JNX	6.46	mg/L		0.2	SW846-6020
Manganese	N	0.111	mg/L		0.05	SW846-6020
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	U	0.05	mg/L		0.05	SW846-6020
Potassium	U	2	mg/L		2	SW846-6020
Rhodium	U	0.005	mg/L		0.005	SW846-6020
Selenium	U	0.005	mg/L		0.05	SW846-6020
Silver	U	0.001	mg/L		0.001	SW846-6020
Sodium	JNX	167	mg/L		10	SW846-6020
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.01	mg/L		0.01	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.2	mg/L		0.2	SW846-6020
Zinc	U	0.035	mg/L		0.035	SW846-6020
<b>METAL-D</b>						
Barium, Dissolved		0.0696	mg/L		0.005	SW846-6020
<b>PHYSC</b>						
Dissolved Solids		624	mg/L		50	EPA-160.2
<b>RADS</b>						
Alpha activity	U	-0.259	pCi/L	0.299	4.53	EPA-900.0
Beta activity	U	-2.4	pCi/L	0.715	6.59	EPA-900.0
Iodine-131	U	3.19	pCi/L	6.38	21.7	RL-7124
Strontium-90	U	-3.19	pCi/L	0.59	7.68	RL-7145

## MW393

## SG03-02

## C-746 S&amp;T QUARTERLY - JANUARY SG03-02

Technetium-99	U	14	pCi/L	11	14.8	RL-7100
Thorium-234	U	-174	pCi/L	348	265	RL-7124
Tritium	U	14	pCi/L	152	254	704R5
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	UX	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	J	0.082	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	JU	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	JU	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	UX	0.005	mg/L		0.005	SW846-8260
Iodomethane	JU	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	UX	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene	U	0.001	mg/L		0.001	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L		0.005	SW846-8260
Vinyl acetate	U	0.01	mg/L		0.01	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260
<b>WETCHEM</b>						
Chemical Oxygen Demand (COD)		254	mg/L		140	EPA-410.4 1978

**MW393**

**SG03-02**

**C-746 S&T QUARTERLY - JANUARY SG03-02**

Cyanide	UX	0.02 mg/L	0.02	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	XY	88 mg/L	20	SW846-9060
Total Organic Halides (TOX)		0.668 mg/L	0.01	SW846-9020A
Turbidity		35 NTU	0.5	EPA-180.1 1978

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**MW394**

**SG03-02**

**C-746 S&T QUARTERLY - JANUARY SG03-02**

**MW394SG2-03**

Collected: 1/13/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		60.7	mg/L		2	SW846-9056
Fluoride		0.15	mg/L		0.1	9214
Nitrate as Nitrogen		1.2	mg/L		1	SW846-9056
Sulfate		8.5	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		30.03	Inches/Hg			
Conductivity		422	umho/cm			
Depth to Water		54.54	ft			
Dissolved Oxygen		3.83	mg/L			
pH		6	Std Unit			
Redox		220	mV			
Temperature		56.6	deg F			
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6020
Antimony	U	0.005	mg/L		0.005	SW846-6020
Barium	WX	0.244	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6020
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium	NW	30.7	mg/L		10	SW846-6020
Chromium	U	0.02	mg/L		0.02	SW846-6020
Cobalt	U	0.001	mg/L		0.001	SW846-6020
Copper	U	0.02	mg/L		0.02	SW846-6020
Iron	N	1.3	mg/L		0.2	SW846-6020
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium	JNX	10.3	mg/L		0.2	SW846-6020
Manganese	N	0.128	mg/L		0.005	SW846-6020
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	NU	0.005	mg/L		0.005	SW846-6020
Potassium	N	1.1	mg/L		0.2	SW846-6020
Rhodium	U	0.005	mg/L		0.005	SW846-6020
Selenium		0.00756	mg/L		0.005	SW846-6020
Silver	U	0.001	mg/L		0.001	SW846-6020
Sodium	JNX	27.1	mg/L		10	SW846-6020
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.01	mg/L		0.01	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.035	mg/L		0.035	SW846-6020
<b>METAL-D</b>						
Barium, Dissolved		0.255	mg/L		0.005	SW846-6020
<b>PHYSC</b>						
Dissolved Solids		228	mg/L		50	EPA-160.2
<b>RADS</b>						
Alpha activity	U	0.108	pCi/L	0.0964	3.44	EPA-900.0
Beta activity	U	4.3	pCi/L	0.922	5.91	EPA-900.0
Iodine-131	U	3.41	pCi/L	6.82	20.9	RL-7124

## MW394

## SG03-02

## C-746 S&amp;T QUARTERLY - JANUARY SG03-02

Strontium-90	U	-0.953	pCi/L	0.159	7.68	RL-7145
Technetium-99		18.3	pCi/L	11.2	14.8	RL-7100
Thorium-234	U	-24.7	pCi/L	49.3	275	RL-7124
Tritium	U	-107	pCi/L	150	254	704R5
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	JU	0.01	mg/L		0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	JU	0.01	mg/L		0.01	SW846-8260
Acetone	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	JU	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	JU	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	JU	0.005	mg/L		0.005	SW846-8260
Methylene chloride	JU	0.005	mg/L		0.005	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene		0.015	mg/L		0.001	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L		0.005	SW846-8260
Vinyl acetate	JU	0.01	mg/L		0.01	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260

## WETCHEM

**MW394**

**SG03-02**

**C-746 S&T QUARTERLY - JANUARY SG03-02**

Chemical Oxygen Demand (COD)	U	35 mg/L	35	EPA-410.4 1978
Cyanide	JNU	0.02 mg/L	0.02	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	Y	1.6 mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.0361 mg/L	0.01	SW846-9020A
Turbidity		12 NTU	0.5	EPA-180.1 1978

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**MW395**

**SG03-02**

**C-746 S&T QUARTERLY - JANUARY SG03-02**

**MW395SG2-03**

Collected: 1/13/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		63.5	mg/L		2	SW846-9056
Fluoride		0.14	mg/L		0.1	9214
Nitrate as Nitrogen		1.4	mg/L		1	SW846-9056
Sulfate		9	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		30.03	Inches/Hg			
Conductivity		404	umho/cm			
Depth to Water		55.11	ft			
Dissolved Oxygen		2.36	mg/L			
pH		6	Std Unit			
Redox		85	mV			
Temperature		57.8	deg F			
<b>METAL</b>						
Aluminum		0.737	mg/L		0.2	SW846-6020
Antimony	U	0.005	mg/L		0.005	SW846-6020
Barium	WX	0.248	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6020
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium	NW	32.1	mg/L		10	SW846-6020
Chromium		0.075	mg/L		0.02	SW846-6020
Cobalt		0.00148	mg/L		0.001	SW846-6020
Copper	U	0.02	mg/L		0.02	SW846-6020
Iron	N	1.33	mg/L		0.2	SW846-6020
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium	JNX	11.2	mg/L		2	SW846-6020
Manganese	N	0.0713	mg/L		0.005	SW846-6020
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	B	0.00609	mg/L		0.001	SW846-6020
Nickel	N	0.029	mg/L		0.005	SW846-6020
Potassium	N	1.51	mg/L		0.2	SW846-6020
Rhodium	U	0.005	mg/L		0.005	SW846-6020
Selenium		0.0103	mg/L		0.005	SW846-6020
Silver	U	0.001	mg/L		0.001	SW846-6020
Sodium	JNX	22.6	mg/L		10	SW846-6020
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.01	mg/L		0.01	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.035	mg/L		0.035	SW846-6020
<b>METAL-D</b>						
Barium, Dissolved		0.238	mg/L		0.005	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
<b>PHYSC</b>						
Dissolved Solids		211	mg/L		50	EPA-160.2
<b>RADS</b>						
Alpha activity	U	2.3	pCi/L	1.28	3.35	EPA-900.0
Beta activity	U	5.01	pCi/L	1.05	5.85	EPA-900.0

## MW395

## SG03-02

## C-746 S&amp;T QUARTERLY - JANUARY SG03-02

Iodine-131	U	3.43	pCi/L	6.86	20.3	RL-7124
Strontium-90	U	-5.74	pCi/L	1.17	7.68	RL-7145
Technetium-99	U	13	pCi/L	10.9	14.8	RL-7100
Thorium-234		546	pCi/L	207	185	RL-7124
Tritium	U	-32.7	pCi/L	152	254	704R5
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	JU	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	JU	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	JU	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	JU	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene		0.014	mg/L		0.001	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L		0.005	SW846-8260
Vinyl acetate	U	0.01	mg/L		0.01	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260

**MW395**

**SG03-02**

**C-746 S&T QUARTERLY - JANUARY SG03-02**

**WETCHEM**

Chemical Oxygen Demand (COD)	U	35 mg/L	35	EPA-410.4 1978
Cyanide	UX	0.02 mg/L	0.02	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	Y	2 mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.0183 mg/L	0.01	SW846-9020A
Turbidity		12 NTU	0.5	EPA-180.1 1978

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# Paducah-OREIS Data Report

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12/18/2007

**MW396**

**SG03-02**

## C-746 S&T QUARTERLY - JANUARY SG03-02

**MW396SG2-03**

Collected: 1/13/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		108.3	mg/L		2	SW846-9056
Fluoride		0.45	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		16.6	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		30.03	Inches/Hg			
Conductivity		912	umho/cm			
Depth to Water		8.13	ft			
Dissolved Oxygen		0.72	mg/L			
pH		6.4	Std Unit			
Temperature		56.9	deg F			
<b>METAL</b>						
Aluminum		0.501	mg/L		0.2	SW846-6020
Antimony	U	0.005	mg/L		0.005	SW846-6020
Barium		0.294	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	JU	0.2	mg/L		0.2	SW846-6020
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium	N	46.7	mg/L		10	SW846-6020
Chromium	NU	0.02	mg/L		0.02	SW846-6020
Cobalt	B	0.00324	mg/L		0.001	SW846-6020
Copper	BU	0.02	mg/L		0.02	SW846-6020
Iron		9.93	mg/L		0.2	SW846-6020
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium	J	19.2	mg/L		2	SW846-6020
Manganese		1.132	mg/L		0.05	SW846-6020
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	B	0.00128	mg/L		0.001	SW846-6020
Nickel	U	0.005	mg/L		0.005	SW846-6020
Potassium		1.08	mg/L		0.2	SW846-6020
Rhodium	U	0.005	mg/L		0.005	SW846-6020
Selenium		0.0122	mg/L		0.005	SW846-6020
Silver	U	0.001	mg/L		0.001	SW846-6020
Sodium	JN	122	mg/L		10	SW846-6020
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.01	mg/L		0.01	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.035	mg/L		0.035	SW846-6020
<b>METAL-D</b>						
Barium, Dissolved		0.285	mg/L		0.005	SW846-6020
<b>PHYSC</b>						
Dissolved Solids		521	mg/L		50	EPA-160.2
<b>RADS</b>						
Alpha activity	U	2.5	pCi/L	1.66	7.08	EPA-900.0
Beta activity	U	6.97	pCi/L	1.44	7.89	EPA-900.0
Iodine-131	U	3.83	pCi/L	7.67	20.5	RL-7124
Strontium-90	U	-5.25	pCi/L	1.05	7.68	RL-7145

## MW396

## SG03-02

## C-746 S&amp;T QUARTERLY - JANUARY SG03-02

Technetium-99		16.5	pCi/L	11.1	14.8	RL-7100
Thorium-234	U	-229	pCi/L	457	263	RL-7124
Tritium	U	65.3	pCi/L	154	254	704R5
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	JU	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	JU	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	JU	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	JU	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	UX	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene	U	0.001	mg/L		0.001	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L		0.005	SW846-8260
Vinyl acetate	U	0.01	mg/L		0.01	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260
<b>WETCHEM</b>						
Chemical Oxygen Demand (COD)	U	35	mg/L		35	EPA-410.4 1978



**MW396**

**SG03-02**

**C-746 S&T QUARTERLY - JANUARY SG03-02**

Cyanide	UX	0.02 mg/L	0.02	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	Y	4.4 mg/L	2	SW846-9060
Total Organic Halides (TOX)		0.106 mg/L	0.01	SW846-9020A
Turbidity		19 NTU	0.5	EPA-180.1 1978

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MW397

SG03-02

C-746 S&T QUARTERLY - JANUARY SG03-02

MW397SG2-03

Collected: 1/13/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		40.5	mg/L		2	SW846-9056
Fluoride		0.14	mg/L		0.1	9214
Nitrate as Nitrogen		2	mg/L		1	SW846-9056
Sulfate		12.7	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		30.03	Inches/Hg			
Conductivity		320	umho/cm			
Depth to Water		63.15	ft			
Dissolved Oxygen		4.66	mg/L			
pH		6	Std Unit			
Redox		230	mV			
Temperature		54.5	deg F			
<b>METAL</b>						
Aluminum		0.363	mg/L		0.2	SW846-6020
Antimony	U	0.005	mg/L		0.005	SW846-6020
Barium	WX	0.132	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6020
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium	NW	17.8	mg/L		10	SW846-6020
Chromium	U	0.02	mg/L		0.02	SW846-6020
Cobalt	U	0.001	mg/L		0.001	SW846-6020
Copper	U	0.02	mg/L		0.02	SW846-6020
Iron	N	0.453	mg/L		0.2	SW846-6020
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium	JNX	6.69	mg/L		0.2	SW846-6020
Manganese	N	0.0164	mg/L		0.005	SW846-6020
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	N	0.00502	mg/L		0.005	SW846-6020
Potassium	N	1.69	mg/L		0.2	SW846-6020
Rhodium	U	0.005	mg/L		0.005	SW846-6020
Selenium		0.00768	mg/L		0.005	SW846-6020
Silver	U	0.001	mg/L		0.001	SW846-6020
Sodium	JNX	31.3	mg/L		10	SW846-6020
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.01	mg/L		0.01	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.035	mg/L		0.035	SW846-6020
<b>METAL-D</b>						
Barium, Dissolved		0.131	mg/L		0.005	SW846-6020
<b>PHYSC</b>						
Dissolved Solids		182	mg/L		50	EPA-160.2
<b>RADS</b>						
Alpha activity	U	-0.626	pCi/L	0.723	3.32	EPA-900.0
Beta activity		8.63	pCi/L	1.6	5.83	EPA-900.0
Iodine-131	U	-1.15	pCi/L	2.31	21.4	RL-7124

## MW397

## SG03-02

## C-746 S&amp;T QUARTERLY - JANUARY SG03-02

Strontium-90	U	-2.54	pCi/L	0.451	7.68	RL-7145
Technetium-99		20.9	pCi/L	11.3	14.8	RL-7100
Thorium-234	U	-172	pCi/L	344	267	RL-7124
Tritium	U	72.3	pCi/L	154	254	704R5
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	JU	0.01	mg/L		0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	JU	0.01	mg/L		0.01	SW846-8260
Acetone	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	JU	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	JU	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	JU	0.005	mg/L		0.005	SW846-8260
Methylene chloride	JU	0.005	mg/L		0.005	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene	U	0.001	mg/L		0.001	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L		0.005	SW846-8260
Vinyl acetate	JU	0.01	mg/L		0.01	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260

## WETCHEM

**MW397**

**SG03-02**

**C-746 S&T QUARTERLY - JANUARY SG03-02**

Chemical Oxygen Demand (COD)	U	35 mg/L	35	EPA-410.4 1978
Cyanide	UX	0.02 mg/L	0.02	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	Y	3.6 mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.012 mg/L	0.01	SW846-9020A
Turbidity		5.5 NTU	0.5	EPA-180.1 1978

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**MW220**

**SG03-03**

**C-746 S&T QUARTERLY - APRIL SG03-03**

**MW220SG3-03**

Collected: 4/10/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		31.5	mg/L		2	SW846-9056
Fluoride		0.22	mg/L		0.1	9214
Nitrate as Nitrogen		1.2	mg/L		1	SW846-9056
Sulfate		15.4	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		30	Inches/Hg			
Conductivity		489	umho/cm			
Depth to Water		54.37	ft			
Dissolved Oxygen		3.6	mg/L			
pH		6.5	Std Unit			
Redox		203	mV			
Temperature		57.2	deg F			
Turbidity		6.2	NTU			
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6020
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Barium		0.235	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	BNU	0.2	mg/L		0.2	SW846-6020
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium	J	30.4	mg/L		10	SW846-6020
Chromium		0.0346	mg/L		0.02	SW846-6020
Cobalt		0.00289	mg/L		0.001	SW846-6020
Copper	U	0.02	mg/L		0.02	SW846-6020
Iron		0.429	mg/L		0.2	SW846-6020
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		10.8	mg/L		0.2	SW846-6020
Manganese		0.0137	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum		0.0109	mg/L		0.001	SW846-6020
Nickel	N	0.544	mg/L		0.05	SW846-6020
Potassium		24.9	mg/L		0.2	SW846-6020
Rhodium	U	0.005	mg/L		0.005	SW846-6020
Selenium	U	0.005	mg/L		0.005	SW846-6020
Silver	U	0.001	mg/L		0.001	SW846-6020
Sodium	J	51	mg/L		10	SW846-6020
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.01	mg/L		0.01	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Vanadium	*U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.035	mg/L		0.035	SW846-6020
<b>METAL-D</b>						
Barium, Dissolved	N	0.255	mg/L		0.005	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
<b>PHYSC</b>						
Dissolved Solids		288	mg/L		43	EPA-160.1
<b>RADS</b>						
Alpha activity	U	-2.84	pCi/L	1.58	7.8	EPA-900.0

**MW220****SG03-03****C-746 S&T QUARTERLY - APRIL SG03-03**

Beta activity		45.4	pCi/L	5.11	6.65	EPA-900.0
Iodine-131	U	1.04	pCi/L	2.09	23.5	RL-7124
Strontium-90	U	0.367	pCi/L	0.0623	5.78	RL-7145
Technetium-99	U	3.56	pCi/L	11	15.9	RL-7100
Thorium-234	U	25.9	pCi/L	51.9	294	RL-7124
Tritium	U	-82.3	pCi/L	154	260	704R6
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	JU	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	JU	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	U	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	JU	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	JU	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	JU	0.005	mg/L		0.005	SW846-8260
Methylene chloride	JU	0.005	mg/L		0.005	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene	U	0.001	mg/L		0.001	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L		0.005	SW846-8260
Vinyl acetate	JU	0.01	mg/L		0.01	SW846-8260

**MW220**

**SG03-03**

**C-746 S&T QUARTERLY - APRIL SG03-03**

Vinyl chloride	U	0.002	mg/L	0.002	SW846-8260
<b>WETCHEM</b>					
Chemical Oxygen Demand (COD)	U	35	mg/L	35	EPA-410.4 1978
Cyanide	U	0.02	mg/L	0.02	SW846-9010-A
Iodide	U	2	mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1	mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.01	mg/L	0.01	SW846-9020A

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MW221

SG03-03

C-746 S&T QUARTERLY - APRIL SG03-03

MW221SG3-03

Collected: 4/8/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		43.5	mg/L		2	SW846-9056
Fluoride		0.2	mg/L		0.1	9214
Nitrate as Nitrogen		1.9	mg/L		1	SW846-9056
Sulfate		11.8	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		30.06	Inches/Hg			
Conductivity		410	umho/cm			
Depth to Water		63.95	ft			
Dissolved Oxygen		4.9	mg/L			
pH		6.3	Std Unit			
Redox		141	mV			
Temperature		56.7	deg F			
Turbidity		4.6	NTU			
<b>METAL</b>						
Aluminum	JNUX	0.2	mg/L		0.2	SW846-6020
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Barium	N	0.228	mg/L		0.005	SW846-6020
Beryllium	*U	0.001	mg/L		0.001	SW846-6020
Boron	BU	0.2	mg/L		0.2	SW846-6020
Cadmium	*U	0.001	mg/L		0.001	SW846-6020
Calcium	JNW	25.5	mg/L		10	SW846-6020
Chromium	*	0.0345	mg/L		0.02	SW846-6020
Cobalt	*J	0.00448	mg/L		0.001	SW846-6020
Copper	*U	0.02	mg/L		0.02	SW846-6020
Iron		0.264	mg/L		0.2	SW846-6020
Lead	*U	0.005	mg/L		0.005	SW846-6020
Magnesium	JW	8.27	mg/L		0.2	SW846-6020
Manganese		0.018	mg/L		0.005	SW846-6020
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470
Molybdenum		0.0101	mg/L		0.001	SW846-6020
Nickel		0.355	mg/L		0.05	SW846-6020
Potassium		1.71	mg/L		0.2	SW846-6020
Rhodium	U	0.005	mg/L		0.005	SW846-6020
Selenium	BU	0.005	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium	NW	40.5	mg/L		10	SW846-6020
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	*U	0.01	mg/L		0.01	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Vanadium	*U	0.02	mg/L		0.02	SW846-6020
Zinc	*U	0.035	mg/L		0.035	SW846-6020
<b>METAL-D</b>						
Barium, Dissolved		0.218	mg/L		0.005	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
<b>PHYSC</b>						
Dissolved Solids		225	mg/L		45	EPA-160.1
<b>RADS</b>						
Alpha activity	U	1.64	pCi/L	0.875	6.6	EPA-900.0



## MW221

## SG03-03

## C-746 S&amp;T QUARTERLY - APRIL SG03-03

Beta activity	D	8.13	pCi/L	1.54	7.33	EPA-900.0
Iodine-131	U	1.79	pCi/L	3.58	17.3	RL-7124
Strontium-90	U	2.17	pCi/L	0.33	5.78	RL-7145
Technetium-99	U	1.03	pCi/L	11.5	16.9	RL-7100
Thorium-234		449	pCi/L	196	161	RL-7124
Tritium	U	-25.9	pCi/L	155	260	704R6
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	JU	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	JU	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	U	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	JU	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	JU	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	JU	0.005	mg/L		0.005	SW846-8260
Methylene chloride	JU	0.005	mg/L		0.005	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene	U	0.001	mg/L		0.001	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L		0.005	SW846-8260
Vinyl acetate	JU	0.01	mg/L		0.01	SW846-8260

**MW221**

**SG03-03**

**C-746 S&T QUARTERLY - APRIL SG03-03**

Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	35 mg/L	35	EPA-410.4 1978
Cyanide	U	0.02 mg/L	0.02	SW846-9010-A
Iodide		2.4 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.01 mg/L	0.01	SW846-9020A

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**MW222**

**SG03-03**

**C-746 S&T QUARTERLY - APRIL SG03-03**

**MW222SG3-03**

Collected: 4/9/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		39.1	mg/L		2	SW846-9056
Fluoride		0.24	mg/L		0.1	9214
Nitrate as Nitrogen		1.4	mg/L		1	SW846-9056
Sulfate		11.6	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		30.06	Inches/Hg			
Conductivity		399	umho/cm			
Depth to Water		68.03	ft			
Dissolved Oxygen		2.21	mg/L			
pH		6.5	Std Unit			
Redox		230	mV			
Temperature		56.3	deg F			
Turbidity		31.1	NTU			
<b>METAL</b>						
Aluminum	JNX	1.35	mg/L		0.2	SW846-6020
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Barium	N	0.274	mg/L		0.005	SW846-6020
Beryllium	*U	0.001	mg/L		0.001	SW846-6020
Boron	BU	0.2	mg/L		0.2	SW846-6020
Cadmium	*U	0.001	mg/L		0.001	SW846-6020
Calcium	JNW	21.5	mg/L		10	SW846-6020
Chromium	*	0.0522	mg/L		0.02	SW846-6020
Cobalt	*	0.00236	mg/L		0.001	SW846-6020
Copper	*U	0.02	mg/L		0.02	SW846-6020
Iron		2.18	mg/L		0.2	SW846-6020
Lead	*U	0.005	mg/L		0.005	SW846-6020
Magnesium	JW	7.54	mg/L		0.2	SW846-6020
Manganese		0.0564	mg/L		0.005	SW846-6020
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470
Molybdenum		0.00564	mg/L		0.001	SW846-6020
Nickel		0.21	mg/L		0.05	SW846-6020
Potassium		1.07	mg/L		0.2	SW846-6020
Rhodium	U	0.005	mg/L		0.005	SW846-6020
Selenium	BU	0.005	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium	NW	43.2	mg/L		10	SW846-6020
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	*U	0.01	mg/L		0.01	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Vanadium	*U	0.02	mg/L		0.02	SW846-6020
Zinc	*U	0.035	mg/L		0.035	SW846-6020
<b>METAL-D</b>						
Barium, Dissolved		0.258	mg/L		0.005	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
<b>PHYSC</b>						
Dissolved Solids		245	mg/L		42	EPA-160.1
<b>RADS</b>						
Alpha activity	U	1.43	pCi/L	0.795	6.52	EPA-900.0

## MW222

## SG03-03

## C-746 S&amp;T QUARTERLY - APRIL SG03-03

Beta activity	DU	5.93	pCi/L	1.19	7.29	EPA-900.0
Iodine-131	U	1.26	pCi/L	2.53	22.4	RL-7124
Strontium-90	U	1.05	pCi/L	0.171	5.78	RL-7145
Technetium-99	U	5.6	pCi/L	11.1	15.9	RL-7100
Thorium-234	U	102	pCi/L	204	300	RL-7124
Tritium	U	-23.5	pCi/L	155	260	704R6
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	JU	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	JU	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	U	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	JU	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	JU	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	JU	0.005	mg/L		0.005	SW846-8260
Methylene chloride	JU	0.005	mg/L		0.005	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene	U	0.001	mg/L		0.001	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L		0.005	SW846-8260
Vinyl acetate	JU	0.01	mg/L		0.01	SW846-8260

**MW222**

**SG03-03**

**C-746 S&T QUARTERLY - APRIL SG03-03**

Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	35 mg/L	35	EPA-410.4 1978
Cyanide	U	0.02 mg/L	0.02	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.0114 mg/L	0.01	SW846-9020A

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**MW223**

**SG03-03**

**C-746 S&T QUARTERLY - APRIL SG03-03**

**MW223SG3-03**

Collected: 4/9/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		38.8	mg/L		2	SW846-9056
Fluoride		0.2	mg/L		0.1	9214
Nitrate as Nitrogen		1.9	mg/L		1	SW846-9056
Sulfate		10	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		30.06	Inches/Hg			
Conductivity		376	umho/cm			
Depth to Water		67.16	ft			
Dissolved Oxygen		3.83	mg/L			
pH		6.3	Std Unit			
Redox		225	mV			
Temperature		54.2	deg F			
Turbidity		5.5	NTU			
<b>METAL</b>						
Aluminum	JNUX	0.2	mg/L		0.2	SW846-6020
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Barium	N	0.2	mg/L		0.005	SW846-6020
Beryllium	*U	0.001	mg/L		0.001	SW846-6020
Boron	BU	0.2	mg/L		0.2	SW846-6020
Cadmium	*U	0.001	mg/L		0.001	SW846-6020
Calcium	JNW	20.3	mg/L		10	SW846-6020
Chromium	*	0.0661	mg/L		0.02	SW846-6020
Cobalt	*	0.00295	mg/L		0.001	SW846-6020
Copper	*U	0.02	mg/L		0.02	SW846-6020
Iron		0.469	mg/L		0.2	SW846-6020
Lead	*U	0.005	mg/L		0.005	SW846-6020
Magnesium	JW	6.89	mg/L		0.2	SW846-6020
Manganese		0.0555	mg/L		0.005	SW846-6020
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470
Molybdenum		0.0141	mg/L		0.001	SW846-6020
Nickel		0.745	mg/L		0.05	SW846-6020
Potassium		3.04	mg/L		0.2	SW846-6020
Rhodium	U	0.005	mg/L		0.005	SW846-6020
Selenium	BU	0.005	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium	NW	37.8	mg/L		10	SW846-6020
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	*U	0.01	mg/L		0.01	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Vanadium	*U	0.02	mg/L		0.02	SW846-6020
Zinc	*U	0.035	mg/L		0.035	SW846-6020
<b>METAL-D</b>						
Barium, Dissolved		0.199	mg/L		0.005	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
<b>PHYSC</b>						
Dissolved Solids		216	mg/L		50	EPA-160.1
<b>RADS</b>						
Alpha activity	U	-2.18	pCi/L	1.95	6.55	EPA-900.0

## MW223

## SG03-03

## C-746 S&amp;T QUARTERLY - APRIL SG03-03

Beta activity	D	9.01	pCi/L	1.67	7.31	EPA-900.0
Iodine-131	U	11.3	pCi/L	22.7	23.4	RL-7124
Strontium-90	U	1.37	pCi/L	0.218	5.78	RL-7145
Technetium-99		16.1	pCi/L	11.4	15.9	RL-7100
Thorium-234	U	133	pCi/L	266	298	RL-7124
Tritium	U	0	pCi/L	156	260	704R6
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	JU	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	JU	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	U	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	JU	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	JU	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	JU	0.005	mg/L		0.005	SW846-8260
Methylene chloride	JU	0.005	mg/L		0.005	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene	U	0.001	mg/L		0.001	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L		0.005	SW846-8260
Vinyl acetate	JU	0.01	mg/L		0.01	SW846-8260

**MW223**

**SG03-03**

**C-746 S&T QUARTERLY - APRIL SG03-03**

Vinyl chloride	U	0.002	mg/L	0.002	SW846-8260
<b>WETCHEM</b>					
Chemical Oxygen Demand (COD)	U	35	mg/L	35	EPA-410.4 1978
Cyanide	U	0.02	mg/L	0.02	SW846-9010-A
Iodide	U	2	mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1	mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.01	mg/L	0.01	SW846-9020A

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MW224

SG03-03

C-746 S&T QUARTERLY - APRIL SG03-03

MW224SG3-03

Collected: 4/9/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		41.4	mg/L		2	SW846-9056
Fluoride		0.23	mg/L		0.1	9214
Nitrate as Nitrogen		1.5	mg/L		1	SW846-9056
Sulfate		13.2	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		30.06	Inches/Hg			
Conductivity		453	umho/cm			
Depth to Water		68.51	ft			
Dissolved Oxygen		3.77	mg/L			
pH		6.2	Std Unit			
Redox		223	mV			
Temperature		58.2	deg F			
Turbidity		0	NTU			
<b>METAL</b>						
Aluminum	JNUX	0.2	mg/L		0.2	SW846-6020
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Barium	N	0.241	mg/L		0.005	SW846-6020
Beryllium	*U	0.001	mg/L		0.001	SW846-6020
Boron	BU	0.2	mg/L		0.2	SW846-6020
Cadmium	*U	0.001	mg/L		0.001	SW846-6020
Calcium	JNW	29	mg/L		10	SW846-6020
Chromium	*U	0.02	mg/L		0.02	SW846-6020
Cobalt	*U	0.001	mg/L		0.001	SW846-6020
Copper	*U	0.02	mg/L		0.02	SW846-6020
Iron	U	0.2	mg/L		0.2	SW846-6020
Lead	*U	0.005	mg/L		0.005	SW846-6020
Magnesium	JW	9.83	mg/L		0.2	SW846-6020
Manganese	U	0.005	mg/L		0.005	SW846-6020
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	*	0.0099	mg/L		0.005	SW846-6020
Potassium		0.887	mg/L		0.2	SW846-6020
Rhodium	U	0.005	mg/L		0.005	SW846-6020
Selenium	BU	0.005	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium	NW	44	mg/L		10	SW846-6020
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	*U	0.01	mg/L		0.01	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Vanadium	*U	0.02	mg/L		0.02	SW846-6020
Zinc	*U	0.035	mg/L		0.035	SW846-6020
<b>METAL-D</b>						
Barium, Dissolved		0.244	mg/L		0.005	SW846-6020
<b>PHYSC</b>						
Dissolved Solids		256	mg/L		50	EPA-160.1
<b>RADS</b>						
Alpha activity	U	0.982	pCi/L	0.592	7.16	EPA-900.0
Beta activity	DU	3.36	pCi/L	0.733	7.57	EPA-900.0

**MW224****SG03-03****C-746 S&T QUARTERLY - APRIL SG03-03**

Iodine-131	U	4.14	pCi/L	8.27	19.3	RL-7124
Strontium-90	U	0.526	pCi/L	0.0883	5.78	RL-7145
Technetium-99	U	-4.96	pCi/L	0	15.9	RL-7100
Thorium-234		4490	pCi/L	265	218	RL-7124
Tritium	U	23.5	pCi/L	156	260	704R6
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	JU	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	JU	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	U	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	JU	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	JU	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	JU	0.005	mg/L		0.005	SW846-8260
Methylene chloride	JU	0.005	mg/L		0.005	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene		0.002	mg/L		0.001	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L		0.005	SW846-8260
Vinyl acetate	JU	0.01	mg/L		0.01	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260

**MW224**

**SG03-03**

**C-746 S&T QUARTERLY - APRIL SG03-03**

**WETCHEM**

Chemical Oxygen Demand (COD)	U	35 mg/L	35	EPA-410.4 1978
Cyanide	U	0.02 mg/L	0.02	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.01 mg/L	0.01	SW846-9020A

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**MW384**

**SG03-03**

**C-746 S&T QUARTERLY - APRIL SG03-03**

**MW384SG3-03**

Collected: 4/8/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		74.9	mg/L		10	SW846-9056
Fluoride		0.4	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		21	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		30.06	Inches/Hg			
Conductivity		945	umho/cm			
Depth to Water		38.14	ft			
Dissolved Oxygen		0.94	mg/L			
pH		6.86	Std Unit			
Redox		-20	mV			
Temperature		57.9	deg F			
Turbidity		4.9	NTU			
<b>METAL</b>						
Aluminum	JNUX	0.2	mg/L		0.2	SW846-6020
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic	*	0.0246	mg/L		0.01	SW846-6020
Barium	N	0.401	mg/L		0.005	SW846-6020
Beryllium	*U	0.001	mg/L		0.001	SW846-6020
Boron	BU	0.2	mg/L		0.2	SW846-6020
Cadmium	*U	0.001	mg/L		0.001	SW846-6020
Calcium	JNW	39.2	mg/L		10	SW846-6020
Chromium	*U	0.02	mg/L		0.02	SW846-6020
Cobalt	*JU	0.001	mg/L		0.001	SW846-6020
Copper	*U	0.02	mg/L		0.02	SW846-6020
Iron		17.3	mg/L		2	SW846-6020
Lead	*U	0.005	mg/L		0.005	SW846-6020
Magnesium	JW	10.6	mg/L		0.2	SW846-6020
Manganese		2.58	mg/L		0.05	SW846-6020
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	*U	0.005	mg/L		0.005	SW846-6020
Potassium		1.59	mg/L		0.2	SW846-6020
Rhodium	U	0.005	mg/L		0.005	SW846-6020
Selenium	BU	0.005	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium	NW	126	mg/L		100	SW846-6020
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	*U	0.01	mg/L		0.01	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Vanadium	*U	0.02	mg/L		0.02	SW846-6020
Zinc	*U	0.035	mg/L		0.035	SW846-6020
<b>METAL-D</b>						
Barium, Dissolved		0.339	mg/L		0.005	SW846-6020
<b>PHYSC</b>						
Dissolved Solids		485	mg/L		42	EPA-160.1
<b>RADS</b>						
Alpha activity	U	-2.57	pCi/L	1.48	14.1	EPA-900.0

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## SG03-03

## C-746 S&amp;T QUARTERLY - APRIL SG03-03

Beta activity	D	36.9	pCi/L	5.02	9.93	EPA-900.0
Iodine-131	U	0.908	pCi/L	1.82	17.4	RL-7124
Strontium-90	X	11.2	pCi/L	1.21	5.78	RL-7145
Technetium-99		50.4	pCi/L	13.4	16.9	RL-7100
Thorium-234	U	-84.8	pCi/L	170	258	RL-7124
Tritium	U	-7.06	pCi/L	155	260	704R6
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	JU	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	JU	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	U	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	JU	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	JU	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	JU	0.005	mg/L		0.005	SW846-8260
Methylene chloride	JU	0.005	mg/L		0.005	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	UX	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene	X	0.001	mg/L		0.001	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L		0.005	SW846-8260
Vinyl acetate	JU	0.01	mg/L		0.01	SW846-8260

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**SG03-03**

**C-746 S&T QUARTERLY - APRIL SG03-03**

Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	35 mg/L	35	EPA-410.4 1978
Cyanide	U	0.02 mg/L	0.02	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		8.4 mg/L	2	SW846-9060
Total Organic Halides (TOX)		0.108 mg/L	0.01	SW846-9020A

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**MW385**

**SG03-03**

**C-746 S&T QUARTERLY - APRIL SG03-03**

**MW385SG3-03**

Collected: 4/8/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		32.8	mg/L		2	SW846-9056
Fluoride		0.31	mg/L		0.1	9214
Nitrate as Nitrogen		1.7	mg/L		1	SW846-9056
Sulfate		17.2	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		30.06	Inches/Hg			
Conductivity		500	umho/cm			
Depth to Water		38.58	ft			
Dissolved Oxygen		1.2	mg/L			
pH		6.96	Std Unit			
Redox		112	mV			
Temperature		58.4	deg F			
Turbidity		7.7	NTU			
<b>METAL</b>						
Aluminum	JNUX	0.2	mg/L		0.2	SW846-6020
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Barium	N	0.167	mg/L		0.005	SW846-6020
Beryllium	*U	0.001	mg/L		0.001	SW846-6020
Boron	BU	0.2	mg/L		0.2	SW846-6020
Cadmium	*U	0.001	mg/L		0.001	SW846-6020
Calcium	JNW	35.8	mg/L		10	SW846-6020
Chromium	*U	0.02	mg/L		0.02	SW846-6020
Cobalt	*JU	0.001	mg/L		0.001	SW846-6020
Copper	*U	0.02	mg/L		0.02	SW846-6020
Iron	U	0.2	mg/L		0.2	SW846-6020
Lead	*U	0.005	mg/L		0.005	SW846-6020
Magnesium	JW	7.71	mg/L		0.2	SW846-6020
Manganese		0.046	mg/L		0.005	SW846-6020
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	B	0.00107	mg/L		0.001	SW846-6020
Nickel	*U	0.005	mg/L		0.005	SW846-6020
Potassium		1.61	mg/L		0.2	SW846-6020
Rhodium	U	0.005	mg/L		0.005	SW846-6020
Selenium	BU	0.005	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium	NW	34.1	mg/L		10	SW846-6020
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	*U	0.01	mg/L		0.01	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Vanadium	*U	0.02	mg/L		0.02	SW846-6020
Zinc	*U	0.035	mg/L		0.035	SW846-6020
<b>METAL-D</b>						
Barium, Dissolved		0.159	mg/L		0.005	SW846-6020
<b>PHYSC</b>						
Dissolved Solids		231	mg/L		43	EPA-160.1
<b>RADS</b>						
Alpha activity	U	-7.29	pCi/L	3.18	6.56	EPA-900.0
Beta activity	D	121	pCi/L	8.91	7.31	EPA-900.0

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## SG03-03

## C-746 S&amp;T QUARTERLY - APRIL SG03-03

Iodine-131	U	9.87	pCi/L	9.24	16.7	RL-7124
Strontium-90	U	2.75	pCi/L	0.406	5.78	RL-7145
Technetium-99	U	-9.12	pCi/L	0	16.9	RL-7100
Thorium-234		264	pCi/L	160	162	RL-7124
Tritium	U	80	pCi/L	157	260	704R6
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	JU	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	JU	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	U	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	JU	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	JU	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	JU	0.005	mg/L		0.005	SW846-8260
Methylene chloride	JU	0.005	mg/L		0.005	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene	U	0.001	mg/L		0.001	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L		0.005	SW846-8260
Vinyl acetate	JU	0.01	mg/L		0.01	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260



**MW385**

**SG03-03**

**C-746 S&T QUARTERLY - APRIL SG03-03**

**WETCHEM**

Chemical Oxygen Demand (COD)	U	35 mg/L	35	EPA-410.4 1978
Cyanide	U	0.02 mg/L	0.02	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.01 mg/L	0.01	SW846-9020A

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**MW386**

**SG03-03**

**C-746 S&T QUARTERLY - APRIL SG03-03**

**MW386SG3-03**

Collected: 4/8/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		28.6	mg/L		2	SW846-9056
Fluoride		0.29	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		16.7	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		30.06	Inches/Hg			
Conductivity		491	umho/cm			
Depth to Water		21.05	ft			
Dissolved Oxygen		4.32	mg/L			
pH		6.71	Std Unit			
Redox		147	mV			
Temperature		58.6	deg F			
Turbidity		4.5	NTU			
<b>METAL</b>						
Aluminum	JNUX	0.2	mg/L		0.2	SW846-6020
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Barium	N	0.0357	mg/L		0.005	SW846-6020
Beryllium	*U	0.001	mg/L		0.001	SW846-6020
Boron	BU	0.2	mg/L		0.2	SW846-6020
Cadmium	*U	0.001	mg/L		0.001	SW846-6020
Calcium	JNW	19	mg/L		10	SW846-6020
Chromium	*U	0.02	mg/L		0.02	SW846-6020
Cobalt	*JU	0.001	mg/L		0.001	SW846-6020
Copper	*U	0.02	mg/L		0.02	SW846-6020
Iron		0.551	mg/L		0.2	SW846-6020
Lead	*U	0.005	mg/L		0.005	SW846-6020
Magnesium	JW	6.37	mg/L		0.2	SW846-6020
Manganese		0.126	mg/L		0.005	SW846-6020
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	B	0.00144	mg/L		0.001	SW846-6020
Nickel	*U	0.005	mg/L		0.005	SW846-6020
Potassium		0.723	mg/L		0.2	SW846-6020
Rhodium	U	0.005	mg/L		0.005	SW846-6020
Selenium	BU	0.005	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium	NW	78.1	mg/L		10	SW846-6020
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	*U	0.01	mg/L		0.01	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Vanadium	*U	0.02	mg/L		0.02	SW846-6020
Zinc	*U	0.035	mg/L		0.035	SW846-6020
<b>METAL-D</b>						
Barium, Dissolved		0.0377	mg/L		0.005	SW846-6020
<b>PHYSC</b>						
Dissolved Solids		333	mg/L		44	EPA-160.1
<b>RADS</b>						
Alpha activity	U	-2	pCi/L	1.79	8.74	EPA-900.0
Beta activity	DU	2.83	pCi/L	0.633	8.2	EPA-900.0

## MW386

## SG03-03

## C-746 S&amp;T QUARTERLY - APRIL SG03-03

Iodine-131	U	-8.81	pCi/L	17.6	17.1	RL-7124
Strontium-90	U	1.38	pCi/L	0.219	5.78	RL-7145
Technetium-99		103	pCi/L	15.1	16.9	RL-7100
Thorium-234	U	-88.1	pCi/L	176	250	RL-7124
Tritium	U	2.35	pCi/L	156	260	704R6
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	JU	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	JU	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	U	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	JU	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	JU	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	JU	0.005	mg/L		0.005	SW846-8260
Methylene chloride	JU	0.005	mg/L		0.005	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene	U	0.001	mg/L		0.001	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L		0.005	SW846-8260
Vinyl acetate	JU	0.01	mg/L		0.01	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260

**MW386**

**SG03-03**

**C-746 S&T QUARTERLY - APRIL SG03-03**

**WETCHEM**

Chemical Oxygen Demand (COD)	U	35 mg/L	35	EPA-410.4 1978
Cyanide	U	0.02 mg/L	0.02	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		4.7 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.01 mg/L	0.01	SW846-9020A

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MW387

SG03-03

C-746 S&T QUARTERLY - APRIL SG03-03

MW387SG3-03

Collected: 4/9/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		47.4	mg/L		2	SW846-9056
Fluoride		0.88	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		20.4	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		30.06	Inches/Hg			
Conductivity		548	umho/cm			
Depth to Water		36.34	ft			
Dissolved Oxygen		1.22	mg/L			
pH		6.35	Std Unit			
Redox		207	mV			
Temperature		56.8	deg F			
Turbidity		38.8	NTU			
<b>METAL</b>						
Aluminum	JNX	1.48	mg/L		0.2	SW846-6020
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Barium	N	0.212	mg/L		0.005	SW846-6020
Beryllium	*U	0.001	mg/L		0.001	SW846-6020
Boron	BU	0.2	mg/L		0.2	SW846-6020
Cadmium	*U	0.001	mg/L		0.001	SW846-6020
Calcium	JNW	33.9	mg/L		10	SW846-6020
Chromium	*U	0.02	mg/L		0.02	SW846-6020
Cobalt	*	0.00208	mg/L		0.001	SW846-6020
Copper	*U	0.02	mg/L		0.02	SW846-6020
Iron		3.03	mg/L		0.2	SW846-6020
Lead	*U	0.005	mg/L		0.005	SW846-6020
Magnesium	JW	11.1	mg/L		0.2	SW846-6020
Manganese		0.72	mg/L		0.05	SW846-6020
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	*U	0.005	mg/L		0.005	SW846-6020
Potassium		1.76	mg/L		0.2	SW846-6020
Rhodium	U	0.005	mg/L		0.005	SW846-6020
Selenium	BU	0.005	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium	NW	56.6	mg/L		10	SW846-6020
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	*U	0.01	mg/L		0.01	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Vanadium	*U	0.02	mg/L		0.02	SW846-6020
Zinc	*U	0.035	mg/L		0.035	SW846-6020
<b>METAL-D</b>						
Barium, Dissolved		0.202	mg/L		0.005	SW846-6020
<b>PHYSC</b>						
Dissolved Solids		310	mg/L		43	EPA-160.1
<b>RADS</b>						
Alpha activity	U	-3.08	pCi/L	2.76	15.8	EPA-900.0
Beta activity	DU	0.777	pCi/L	0.188	15.8	EPA-900.0

## MW387

## SG03-03

## C-746 S&amp;T QUARTERLY - APRIL SG03-03

Iodine-131	U	5.04	pCi/L	10.1	24.1	RL-7124
Strontium-90	U	1.37	pCi/L	0.217	5.78	RL-7145
Technetium-99		166	pCi/L	16.1	15.9	RL-7100
Thorium-234	U	24.6	pCi/L	49.1	298	RL-7124
Tritium	U	49.4	pCi/L	157	260	704R6
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	JU	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	JU	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	U	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	JU	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	JU	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	JU	0.005	mg/L		0.005	SW846-8260
Methylene chloride	JU	0.005	mg/L		0.005	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene		0.003	mg/L		0.001	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L		0.005	SW846-8260
Vinyl acetate	JU	0.01	mg/L		0.01	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260

**MW387**

**SG03-03**

**C-746 S&T QUARTERLY - APRIL SG03-03**

**WETCHEM**

Chemical Oxygen Demand (COD)	U	35 mg/L	35	EPA-410.4 1978
Cyanide	U	0.02 mg/L	0.02	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		2.3 mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.0315 mg/L	0.01	SW846-9020A

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**MW388**

**SG03-03**

**C-746 S&T QUARTERLY - APRIL SG03-03**

**MW388SG3-03**

Collected: 4/9/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		40	mg/L		2	SW846-9056
Fluoride		0.32	mg/L		0.1	9214
Nitrate as Nitrogen		1.7	mg/L		1	SW846-9056
Sulfate		13.6	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		30.06	Inches/Hg			
Conductivity		391	umho/cm			
Depth to Water		36.31	ft			
Dissolved Oxygen		4.47	mg/L			
pH		6.17	Std Unit			
Redox		230	mV			
Temperature		57	deg F			
Turbidity		12.8	NTU			
<b>METAL</b>						
Aluminum	JNUX	0.2	mg/L		0.2	SW846-6020
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Barium	N	0.189	mg/L		0.005	SW846-6020
Beryllium	*U	0.001	mg/L		0.001	SW846-6020
Boron	BU	0.2	mg/L		0.2	SW846-6020
Cadmium	*U	0.001	mg/L		0.001	SW846-6020
Calcium	JNW	24.3	mg/L		10	SW846-6020
Chromium	*U	0.02	mg/L		0.02	SW846-6020
Cobalt	*U	0.001	mg/L		0.001	SW846-6020
Copper	*U	0.02	mg/L		0.02	SW846-6020
Iron	U	0.2	mg/L		0.2	SW846-6020
Lead	*U	0.005	mg/L		0.005	SW846-6020
Magnesium	JW	8.36	mg/L		0.2	SW846-6020
Manganese		0.0307	mg/L		0.005	SW846-6020
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	*U	0.005	mg/L		0.005	SW846-6020
Potassium		1.73	mg/L		0.2	SW846-6020
Rhodium	U	0.005	mg/L		0.005	SW846-6020
Selenium	BU	0.005	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium	NW	37.5	mg/L		10	SW846-6020
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	*U	0.01	mg/L		0.01	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Vanadium	*U	0.02	mg/L		0.02	SW846-6020
Zinc	*U	0.035	mg/L		0.035	SW846-6020
<b>METAL-D</b>						
Barium, Dissolved		0.186	mg/L		0.005	SW846-6020
<b>PHYSC</b>						
Dissolved Solids		220	mg/L		50	EPA-160.1
<b>RADS</b>						
Alpha activity	U	1.42	pCi/L	0.558	6.67	EPA-900.0
Beta activity	D	58.1	pCi/L	5.91	7.36	EPA-900.0



## MW388

## SG03-03

## C-746 S&amp;T QUARTERLY - APRIL SG03-03

Iodine-131	U	-9.96	pCi/L	19.9	22.4	RL-7124
Strontium-90	U	0.473	pCi/L	0.0796	5.78	RL-7145
Technetium-99		48.2	pCi/L	12.6	15.9	RL-7100
Thorium-234	U	265	pCi/L	530	304	RL-7124
Tritium	U	151	pCi/L	159	260	704R6
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	JU	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	JU	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	U	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	JU	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	JU	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	JU	0.005	mg/L		0.005	SW846-8260
Methylene chloride	JU	0.005	mg/L		0.005	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene	U	0.001	mg/L		0.001	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L		0.005	SW846-8260
Vinyl acetate	JU	0.01	mg/L		0.01	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260

**MW388**

**SG03-03**

**C-746 S&T QUARTERLY - APRIL SG03-03**

**WETCHEM**

Chemical Oxygen Demand (COD)	U	35 mg/L	35	EPA-410.4 1978
Cyanide	U	0.02 mg/L	0.02	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		1.2 mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.0109 mg/L	0.01	SW846-9020A

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**MW390**

**SG03-03**

**C-746 S&T QUARTERLY - APRIL SG03-03**

**MW390SG3-03**

Collected: 4/9/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide		2.6	mg/L		1	SW846-9056
Chloride		302.4	mg/L		40	SW846-9056
Fluoride		0.2	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		10.1	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		30.06	Inches/Hg			
Conductivity		1298	umho/cm			
Depth to Water		33.45	ft			
Dissolved Oxygen		2.71	mg/L			
pH		6.25	Std Unit			
Redox		143	mV			
Temperature		56.2	deg F			
Turbidity		103	NTU			
<b>METAL</b>						
Aluminum	JNX	3.61	mg/L		0.2	SW846-6020
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Barium		0.564	mg/L		0.005	SW846-6020
Beryllium	*U	0.001	mg/L		0.001	SW846-6020
Boron	BU	0.2	mg/L		0.2	SW846-6020
Cadmium	*U	0.001	mg/L		0.001	SW846-6020
Calcium	JNW	73.7	mg/L		10	SW846-6020
Chromium	*U	0.02	mg/L		0.02	SW846-6020
Cobalt	*	0.00946	mg/L		0.001	SW846-6020
Copper	*U	0.02	mg/L		0.02	SW846-6020
Iron		3.27	mg/L		0.2	SW846-6020
Lead	*U	0.005	mg/L		0.005	SW846-6020
Magnesium		28.9	mg/L		2	SW846-6020
Manganese		0.114	mg/L		0.005	SW846-6020
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	B	0.00129	mg/L		0.001	SW846-6020
Nickel	*	0.0723	mg/L		0.005	SW846-6020
Potassium		1.18	mg/L		0.2	SW846-6020
Rhodium	U	0.005	mg/L		0.005	SW846-6020
Selenium	B	0.0132	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium	NW	109	mg/L		10	SW846-6020
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	*U	0.01	mg/L		0.01	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Vanadium	*U	0.02	mg/L		0.02	SW846-6020
Zinc	*U	0.035	mg/L		0.035	SW846-6020
<b>METAL-D</b>						
Barium, Dissolved		0.573	mg/L		0.05	SW846-6020
<b>PHYSC</b>						
Dissolved Solids		742	mg/L		50	EPA-160.1
<b>RADS</b>						
Alpha activity	U	2.57	pCi/L	1.15	16.1	EPA-900.0
Beta activity	D	80.8	pCi/L	9.79	15.8	EPA-900.0

## MW390

## SG03-03

## C-746 S&amp;T QUARTERLY - APRIL SG03-03

Iodine-131	U	-6.29	pCi/L	12.6	24.5	RL-7124
Strontium-90	U	5.3	pCi/L	0.695	5.78	RL-7145
Technetium-99		98.6	pCi/L	14.2	15.9	RL-7100
Thorium-234	U	81.3	pCi/L	163	302	RL-7124
Tritium	U	188	pCi/L	159	260	704R6
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	JU	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	JU	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	U	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	JU	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	JU	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	JU	0.005	mg/L		0.005	SW846-8260
Methylene chloride	JU	0.005	mg/L		0.005	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene	U	0.001	mg/L		0.001	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L		0.005	SW846-8260
Vinyl acetate	JU	0.01	mg/L		0.01	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260

**MW390**

**SG03-03**

**C-746 S&T QUARTERLY - APRIL SG03-03**

**WETCHEM**

Chemical Oxygen Demand (COD)	U	35 mg/L	35	EPA-410.4 1978
Cyanide	U	0.02 mg/L	0.02	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		1.8 mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.0115 mg/L	0.01	SW846-9020A

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MW391

SG03-03

C-746 S&T QUARTERLY - APRIL SG03-03

MW391SG3-03

Collected: 4/8/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		38.2	mg/L		2	SW846-9056
Fluoride		0.18	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		10.9	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		30.06	Inches/Hg			
Conductivity		353	umho/cm			
Depth to Water		39.68	ft			
Dissolved Oxygen		4.07	mg/L			
pH		6.3	Std Unit			
Redox		115	mV			
Temperature		57.6	deg F			
Turbidity		33.5	NTU			
<b>METAL</b>						
Aluminum	JNX	0.605	mg/L		0.2	SW846-6020
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Barium	N	0.226	mg/L		0.005	SW846-6020
Beryllium	*U	0.001	mg/L		0.001	SW846-6020
Boron	BU	0.2	mg/L		0.2	SW846-6020
Cadmium	*U	0.001	mg/L		0.001	SW846-6020
Calcium	JNW	23.7	mg/L		10	SW846-6020
Chromium	*U	0.02	mg/L		0.02	SW846-6020
Cobalt	*JU	0.001	mg/L		0.001	SW846-6020
Copper	*U	0.02	mg/L		0.02	SW846-6020
Iron		2.74	mg/L		0.2	SW846-6020
Lead	*U	0.005	mg/L		0.005	SW846-6020
Magnesium	JW	7.85	mg/L		0.2	SW846-6020
Manganese		0.0544	mg/L		0.005	SW846-6020
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	*	0.00833	mg/L		0.005	SW846-6020
Potassium		1.35	mg/L		0.2	SW846-6020
Rhodium	U	0.005	mg/L		0.005	SW846-6020
Selenium	B	0.00545	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium	NW	32	mg/L		10	SW846-6020
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	*U	0.01	mg/L		0.01	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Vanadium	*U	0.02	mg/L		0.02	SW846-6020
Zinc	*U	0.035	mg/L		0.035	SW846-6020
<b>METAL-D</b>						
Barium, Dissolved		0.212	mg/L		0.005	SW846-6020
<b>PHYSC</b>						
Dissolved Solids		197	mg/L		45	EPA-160.1
<b>RADS</b>						
Alpha activity	U	3.22	pCi/L	1.79	10.2	EPA-900.0
Beta activity	DU	0	pCi/L	0	13.2	EPA-900.0

## MW391

## SG03-03

## C-746 S&amp;T QUARTERLY - APRIL SG03-03

Iodine-131	U	-0.363	pCi/L	0.726	20.3	RL-7124
Strontium-90	U	2.16	pCi/L	0.329	5.78	RL-7145
Technetium-99	U	-0.162	pCi/L	0	15.9	RL-7100
Thorium-234		585	pCi/L	169	157	RL-7124
Tritium	U	70.6	pCi/L	157	260	704R6
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	JU	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	JU	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	U	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	JU	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	JU	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	JU	0.005	mg/L		0.005	SW846-8260
Methylene chloride	JU	0.005	mg/L		0.005	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene		0.007	mg/L		0.001	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L		0.005	SW846-8260
Vinyl acetate	JU	0.01	mg/L		0.01	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260

**MW391**

**SG03-03**

**C-746 S&T QUARTERLY - APRIL SG03-03**

**WETCHEM**

Chemical Oxygen Demand (COD)	U	35	mg/L	35	EPA-410.4 1978
Cyanide	U	0.02	mg/L	0.02	SW846-9010-A
Iodide	U	2	mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1	mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.0454	mg/L	0.01	SW846-9020A

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**MW392**

**SG03-03**

**C-746 S&T QUARTERLY - APRIL SG03-03**

**MW392SG3-03**

Collected: 4/8/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		44.7	mg/L		2	SW846-9056
Fluoride		0.33	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate	U	5	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		30.06	Inches/Hg			
Conductivity		525	umho/cm			
Depth to Water		38.84	ft			
Dissolved Oxygen		1.36	mg/L			
pH		6.6	Std Unit			
Redox		-41	mV			
Temperature		58.3	deg F			
Turbidity		17.8	NTU			
<b>METAL</b>						
Aluminum	JNUX	0.2	mg/L		0.2	SW846-6020
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Barium	N	0.27	mg/L		0.005	SW846-6020
Beryllium	*U	0.001	mg/L		0.001	SW846-6020
Boron	BU	0.2	mg/L		0.2	SW846-6020
Cadmium	*U	0.001	mg/L		0.001	SW846-6020
Calcium	JNW	26	mg/L		10	SW846-6020
Chromium	*U	0.02	mg/L		0.02	SW846-6020
Cobalt	*JU	0.001	mg/L		0.001	SW846-6020
Copper	*U	0.02	mg/L		0.02	SW846-6020
Iron		8.59	mg/L		0.2	SW846-6020
Lead	*U	0.005	mg/L		0.005	SW846-6020
Magnesium	JW	7.58	mg/L		0.2	SW846-6020
Manganese		1.75	mg/L		0.05	SW846-6020
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	*U	0.005	mg/L		0.005	SW846-6020
Potassium		1.76	mg/L		0.2	SW846-6020
Rhodium	U	0.005	mg/L		0.005	SW846-6020
Selenium	BU	0.005	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium	NW	63.5	mg/L		10	SW846-6020
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	*U	0.01	mg/L		0.01	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Vanadium	*U	0.02	mg/L		0.02	SW846-6020
Zinc	*U	0.035	mg/L		0.035	SW846-6020
<b>METAL-D</b>						
Barium, Dissolved		0.229	mg/L		0.005	SW846-6020
<b>PHYSC</b>						
Dissolved Solids		299	mg/L		45	EPA-160.1
<b>RADS</b>						
Alpha activity	U	5.35	pCi/L	2.39	8.25	EPA-900.0
Beta activity	DU	7.3	pCi/L	1.44	8.01	EPA-900.0

## MW392

## SG03-03

## C-746 S&amp;T QUARTERLY - APRIL SG03-03

Iodine-131	U	3.49	pCi/L	6.98	17.3	RL-7124
Strontium-90	U	2.7	pCi/L	0.399	5.78	RL-7145
Technetium-99	U	-15.5	pCi/L	0	16.9	RL-7100
Thorium-234	U	-30.7	pCi/L	61.4	257	RL-7124
Tritium	U	28.3	pCi/L	156	260	704R6
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	JU	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	JU	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	U	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	JU	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	UX	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	JU	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	JU	0.005	mg/L		0.005	SW846-8260
Methylene chloride	JU	0.005	mg/L		0.005	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	UX	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene		0.007	mg/L		0.001	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L		0.005	SW846-8260
Vinyl acetate	JU	0.01	mg/L		0.01	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260

**MW392**

**SG03-03**

**C-746 S&T QUARTERLY - APRIL SG03-03**

**WETCHEM**

Chemical Oxygen Demand (COD)	U	35 mg/L	35	EPA-410.4 1978
Cyanide	U	0.02 mg/L	0.02	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		6.4 mg/L	2	SW846-9060
Total Organic Halides (TOX)		0.0704 mg/L	0.01	SW846-9020A

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**MW393**

**SG03-03**

**C-746 S&T QUARTERLY - APRIL SG03-03**

**MW393SG3-03**

Collected: 4/8/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		28.1	mg/L		2	SW846-9056
Fluoride		0.22	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate	U	5	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		30.06	Inches/Hg			
Conductivity		817	umho/cm			
Depth to Water		26.87	ft			
Dissolved Oxygen		1.22	mg/L			
pH		6.6	Std Unit			
Redox		-13	mV			
Temperature		58.6	deg F			
Turbidity		28	NTU			
<b>METAL</b>						
Aluminum	JNUX	0.2	mg/L		0.2	SW846-6020
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Barium	N	0.103	mg/L		0.005	SW846-6020
Beryllium	*U	0.001	mg/L		0.001	SW846-6020
Boron	BU	0.2	mg/L		0.2	SW846-6020
Cadmium	*U	0.001	mg/L		0.001	SW846-6020
Calcium	JNW	21.6	mg/L		10	SW846-6020
Chromium	*U	0.02	mg/L		0.02	SW846-6020
Cobalt	*JU	0.001	mg/L		0.001	SW846-6020
Copper	*U	0.02	mg/L		0.02	SW846-6020
Iron		6.25	mg/L		0.2	SW846-6020
Lead	*U	0.005	mg/L		0.005	SW846-6020
Magnesium	JW	4.98	mg/L		0.2	SW846-6020
Manganese		0.0848	mg/L		0.005	SW846-6020
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	*U	0.005	mg/L		0.005	SW846-6020
Potassium		0.545	mg/L		0.2	SW846-6020
Rhodium	U	0.005	mg/L		0.005	SW846-6020
Selenium	BU	0.005	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium	NW	139	mg/L		100	SW846-6020
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	*U	0.01	mg/L		0.01	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Vanadium	*U	0.02	mg/L		0.02	SW846-6020
Zinc	*U	0.035	mg/L		0.035	SW846-6020
<b>METAL-D</b>						
Barium, Dissolved		0.0951	mg/L		0.005	SW846-6020
<b>PHYSC</b>						
Dissolved Solids		474	mg/L		43	EPA-160.1
<b>RADS</b>						
Alpha activity	U	-6.48	pCi/L	2.29	11.4	EPA-900.0
Beta activity	D	246	pCi/L	17.5	13.8	EPA-900.0

**MW393****SG03-03****C-746 S&T QUARTERLY - APRIL SG03-03**

Iodine-131	U	-8.59	pCi/L	17.2	17.6	RL-7124
Strontium-90	U	2.22	pCi/L	0.336	5.78	RL-7145
Technetium-99	U	-19.3	pCi/L	0	16.9	RL-7100
Thorium-234	U	-31.9	pCi/L	63.8	261	RL-7124
Tritium	U	226	pCi/L	160	260	704R6
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	JU	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	JU	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	UX	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	JU	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	JU	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	UX	0.005	mg/L		0.005	SW846-8260
Iodomethane	JU	0.005	mg/L		0.005	SW846-8260
Methylene chloride	JU	0.005	mg/L		0.005	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	UX	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene	U	0.001	mg/L		0.001	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L		0.005	SW846-8260
Vinyl acetate	JU	0.01	mg/L		0.01	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260

**MW393**

**SG03-03**

**C-746 S&T QUARTERLY - APRIL SG03-03**

**WETCHEM**

Chemical Oxygen Demand (COD)		87 mg/L	35	EPA-410.4 1978
Cyanide	U	0.02 mg/L	0.02	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		25 mg/L	10	SW846-9060
Total Organic Halides (TOX)		0.396 mg/L	0.01	SW846-9020A

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## MW394

## SG03-03

## C-746 S&amp;T QUARTERLY - APRIL SG03-03

## MW394SG3-03

Collected: 4/10/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		62.9	mg/L		10	SW846-9056
Fluoride		0.14	mg/L		0.1	9214
Nitrate as Nitrogen		1.5	mg/L		1	SW846-9056
Sulfate		7.9	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		30	Inches/Hg			
Conductivity		420	umho/cm			
Depth to Water		51.32	ft			
Dissolved Oxygen		4.15	mg/L			
pH		6.04	Std Unit			
Redox		196	mV			
Temperature		58.8	deg F			
Turbidity		10.7	NTU			
<b>METAL</b>						
Aluminum	JNUX	0.2	mg/L		0.2	SW846-6020
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Barium	N	0.265	mg/L		0.005	SW846-6020
Beryllium	*U	0.001	mg/L		0.001	SW846-6020
Boron	BU	0.2	mg/L		0.2	SW846-6020
Cadmium	*U	0.001	mg/L		0.001	SW846-6020
Calcium	JNW	34.4	mg/L		10	SW846-6020
Chromium	*U	0.02	mg/L		0.02	SW846-6020
Cobalt	*U	0.001	mg/L		0.001	SW846-6020
Copper	*U	0.02	mg/L		0.02	SW846-6020
Iron		0.494	mg/L		0.2	SW846-6020
Lead	*U	0.005	mg/L		0.005	SW846-6020
Magnesium		11.7	mg/L		2	SW846-6020
Manganese	U	0.005	mg/L		0.005	SW846-6020
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	*U	0.005	mg/L		0.005	SW846-6020
Potassium		1.24	mg/L		0.2	SW846-6020
Rhodium	U	0.005	mg/L		0.005	SW846-6020
Selenium	B	0.00719	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium	NW	24.8	mg/L		10	SW846-6020
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	*U	0.01	mg/L		0.01	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Vanadium	*U	0.02	mg/L		0.02	SW846-6020
Zinc	*U	0.035	mg/L		0.035	SW846-6020
<b>METAL-D</b>						
Barium, Dissolved		0.265	mg/L		0.005	SW846-6020
<b>PHYSC</b>						
Dissolved Solids		249	mg/L		42	EPA-160.1
<b>RADS</b>						
Alpha activity	U	-3.18	pCi/L	3.68	6.06	EPA-900.0
Beta activity		9.52	pCi/L	1.76	6.01	EPA-900.0

**MW394****SG03-03****C-746 S&T QUARTERLY - APRIL SG03-03**

Iodine-131	U	-2.96	pCi/L	5.92	23.2	RL-7124
Strontium-90	U	-0.315	pCi/L	0.0561	5.78	RL-7145
Technetium-99	U	-1.45	pCi/L	0	15.9	RL-7100
Thorium-234	U	109	pCi/L	218	298	RL-7124
Tritium	U	198	pCi/L	159	260	704R6
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	JU	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	JU	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	U	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	JU	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	UX	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	JU	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	JU	0.005	mg/L		0.005	SW846-8260
Methylene chloride	JU	0.005	mg/L		0.005	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene		0.01	mg/L		0.001	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L		0.005	SW846-8260
Vinyl acetate	JU	0.01	mg/L		0.01	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260



**MW394**

**SG03-03**

**C-746 S&T QUARTERLY - APRIL SG03-03**

**WETCHEM**

Chemical Oxygen Demand (COD)	U	35	mg/L	35	EPA-410.4 1978
Cyanide	U	0.02	mg/L	0.02	SW846-9010-A
Iodide	U	2	mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1	mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.01	mg/L	0.01	SW846-9020A

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**MW395**

**SG03-03**

**C-746 S&T QUARTERLY - APRIL SG03-03**

**MW395SG3-03**

Collected: 4/10/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		64.1	mg/L		10	SW846-9056
Fluoride		0.21	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		8.3	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		30	Inches/Hg			
Conductivity		488	umho/cm			
Depth to Water		51.95	ft			
Dissolved Oxygen		1.14	mg/L			
pH		6.18	Std Unit			
Redox		159	mV			
Temperature		59	deg F			
Turbidity		27.7	NTU			
<b>METAL</b>						
Aluminum	JU	0.2	mg/L		0.2	SW846-6020
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Barium		0.261	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	BJU	0.2	mg/L		0.2	SW846-6020
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium	J	40.2	mg/L		10	SW846-6020
Chromium	U	0.02	mg/L		0.02	SW846-6020
Cobalt		0.00151	mg/L		0.001	SW846-6020
Copper	U	0.02	mg/L		0.02	SW846-6020
Iron		1.31	mg/L		0.2	SW846-6020
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium	J	17.5	mg/L		2	SW846-6020
Manganese		0.629	mg/L		0.05	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel		0.0091	mg/L		0.005	SW846-6020
Potassium		1.67	mg/L		0.2	SW846-6020
Rhodium	U	0.005	mg/L		0.005	SW846-6020
Selenium	U	0.005	mg/L		0.005	SW846-6020
Silver	U	0.001	mg/L		0.001	SW846-6020
Sodium	JN	53.9	mg/L		10	SW846-6020
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.01	mg/L		0.01	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Zinc	U	0.035	mg/L		0.035	SW846-6020
<b>METAL-D</b>						
Barium, Dissolved	N	0.275	mg/L		0.005	SW846-6020
<b>PHYSC</b>						
Dissolved Solids		289	mg/L		42	EPA-160.1
<b>RADS</b>						
Alpha activity	U	-1.35	pCi/L	0.954	7.13	EPA-900.0
Beta activity	U	6.1	pCi/L	1.26	6.42	EPA-900.0
Iodine-131	U	7.39	pCi/L	14.8	23.9	RL-7124

**MW395****SG03-03****C-746 S&T QUARTERLY - APRIL SG03-03**

Strontium-90	U	0.107	pCi/L	0.018	6.95	RL-7145
Technetium-99	U	-9.37	pCi/L	0	15.9	RL-7100
Thorium-234	U	-32.5	pCi/L	65	287	RL-7124
Tritium	U	80	pCi/L	157	260	704R6
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	JU	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	JU	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	U	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	JU	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	JU	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	JU	0.005	mg/L		0.005	SW846-8260
Methylene chloride	JU	0.005	mg/L		0.005	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene		0.014	mg/L		0.001	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L		0.005	SW846-8260
Vinyl acetate	JU	0.01	mg/L		0.01	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260

**WETCHEM**

**MW395**

**SG03-03**

**C-746 S&T QUARTERLY - APRIL SG03-03**

Chemical Oxygen Demand (COD)	U	35 mg/L	35	EPA-410.4 1978
Cyanide	U	0.02 mg/L	0.02	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		3.4 mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.0512 mg/L	0.01	SW846-9020A

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## MW396

## SG03-03

## C-746 S&amp;T QUARTERLY - APRIL SG03-03

## MW396SG3-03

Collected: 4/8/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		100.5	mg/L		10	SW846-9056
Fluoride		0.46	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		23.9	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.99	Inches/Hg			
Conductivity		942	umho/cm			
Depth to Water		4.95	ft			
Dissolved Oxygen		0.69	mg/L			
pH		6.65	Std Unit			
Redox		71	mV			
Temperature		56.8	deg F			
Turbidity		8.9	NTU			
<b>METAL</b>						
Aluminum	JNUX	0.2	mg/L		0.2	SW846-6020
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Barium	N	0.244	mg/L		0.005	SW846-6020
Beryllium	*U	0.001	mg/L		0.001	SW846-6020
Boron	BU	0.2	mg/L		0.2	SW846-6020
Cadmium	*U	0.001	mg/L		0.001	SW846-6020
Calcium	JNW	49.8	mg/L		10	SW846-6020
Chromium	*U	0.02	mg/L		0.02	SW846-6020
Cobalt	*J	0.00436	mg/L		0.001	SW846-6020
Copper	*U	0.02	mg/L		0.02	SW846-6020
Iron		10.2	mg/L		0.2	SW846-6020
Lead	*U	0.005	mg/L		0.005	SW846-6020
Magnesium		17.8	mg/L		2	SW846-6020
Manganese		0.965	mg/L		0.05	SW846-6020
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	B	0.00225	mg/L		0.001	SW846-6020
Nickel	*	0.00571	mg/L		0.005	SW846-6020
Potassium		1.09	mg/L		0.2	SW846-6020
Rhodium	U	0.005	mg/L		0.005	SW846-6020
Selenium	B	0.00649	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium	NW	106	mg/L		10	SW846-6020
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	*U	0.01	mg/L		0.01	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Vanadium	*U	0.02	mg/L		0.02	SW846-6020
Zinc	*U	0.035	mg/L		0.035	SW846-6020
<b>METAL-D</b>						
Barium, Dissolved		0.256	mg/L		0.005	SW846-6020
<b>PHYSC</b>						
Dissolved Solids		504	mg/L		41	EPA-160.1
<b>RADS</b>						
Alpha activity	U	6.24	pCi/L	3.12	15.6	EPA-900.0
Beta activity	DU	13.9	pCi/L	2.75	15.7	EPA-900.0

## MW396

## SG03-03

## C-746 S&amp;T QUARTERLY - APRIL SG03-03

Iodine-131	U	5.19	pCi/L	10.4	18.5	RL-7124
Strontium-90	U	3.96	pCi/L	0.55	5.78	RL-7145
Technetium-99	U	3.04	pCi/L	12	16.9	RL-7100
Thorium-234	U	129	pCi/L	166	143	RL-7124
Tritium	U	84.8	pCi/L	157	260	704R6
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	JU	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	JU	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	U	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	JU	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	JU	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	JU	0.005	mg/L		0.005	SW846-8260
Methylene chloride	JU	0.005	mg/L		0.005	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	JU	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene	U	0.001	mg/L		0.001	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L		0.005	SW846-8260
Vinyl acetate	JU	0.01	mg/L		0.01	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260

**MW396**

**SG03-03**

**C-746 S&T QUARTERLY - APRIL SG03-03**

**WETCHEM**

Chemical Oxygen Demand (COD)	U	35	mg/L	35	EPA-410.4 1978
Cyanide	U	0.02	mg/L	0.02	SW846-9010-A
Iodide	U	2	mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		7	mg/L	2	SW846-9060
Total Organic Halides (TOX)		0.0778	mg/L	0.01	SW846-9020A

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## MW396

## SG03-03

## C-746 S&amp;T QUARTERLY - APRIL SG03-03

## MW396DSG3-03

Collected: 4/8/2003

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		98.2	mg/L		10	SW846-9056
Fluoride		0.46	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		23.4	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.99	Inches/Hg			
Conductivity		942	umho/cm			
Depth to Water		4.95	ft			
Dissolved Oxygen		0.69	mg/L			
pH		6.65	Std Unit			
Redox		71	mV			
Temperature		56.8	deg F			
Turbidity		8.9	NTU			
<b>METAL</b>						
Aluminum	JNUX	0.2	mg/L		0.2	SW846-6020
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Barium	N	0.228	mg/L		0.005	SW846-6020
Beryllium	*U	0.001	mg/L		0.001	SW846-6020
Boron	BU	0.2	mg/L		0.2	SW846-6020
Cadmium	*U	0.001	mg/L		0.001	SW846-6020
Calcium	JNW	44.3	mg/L		10	SW846-6020
Chromium	*U	0.02	mg/L		0.02	SW846-6020
Cobalt	*J	0.0027	mg/L		0.001	SW846-6020
Copper	*U	0.02	mg/L		0.02	SW846-6020
Iron		2.32	mg/L		0.2	SW846-6020
Lead	*U	0.005	mg/L		0.005	SW846-6020
Magnesium		16.2	mg/L		2	SW846-6020
Manganese		0.54	mg/L		0.005	SW846-6020
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	B	0.00271	mg/L		0.001	SW846-6020
Nickel	*U	0.005	mg/L		0.005	SW846-6020
Potassium		1.12	mg/L		0.2	SW846-6020
Rhodium	U	0.005	mg/L		0.005	SW846-6020
Selenium	B	0.00837	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium	NW	105	mg/L		10	SW846-6020
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	*U	0.01	mg/L		0.01	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Vanadium	*U	0.02	mg/L		0.02	SW846-6020
Zinc	*U	0.035	mg/L		0.035	SW846-6020
<b>METAL-D</b>						
Barium, Dissolved		0.214	mg/L		0.005	SW846-6020
<b>PHYSC</b>						
Dissolved Solids		487	mg/L		41	EPA-160.1
<b>RADS</b>						
Alpha activity	U	-1.81	pCi/L	1.48	14.1	EPA-900.0
Beta activity	DU	0.37	pCi/L	0.0905	15	EPA-900.0



## MW396

## SG03-03

## C-746 S&amp;T QUARTERLY - APRIL SG03-03

Iodine-131	U	-0.659	pCi/L	1.32	19.2	RL-7124
Strontium-90	U	2.74	pCi/L	0.405	5.78	RL-7145
Technetium-99	U	-4.34	pCi/L	0	16.9	RL-7100
Thorium-234		672	pCi/L	218	174	RL-7124
Tritium	U	2.35	pCi/L	156	260	704R6
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	JU	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	JU	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	U	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	JU	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	JU	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	JU	0.005	mg/L		0.005	SW846-8260
Methylene chloride	JU	0.005	mg/L		0.005	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	UX	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene	U	0.001	mg/L		0.001	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L		0.005	SW846-8260
Vinyl acetate	JU	0.01	mg/L		0.01	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260

**MW396**

**SG03-03**

**C-746 S&T QUARTERLY - APRIL SG03-03**

**WETCHEM**

Chemical Oxygen Demand (COD)	U	35 mg/L	35	EPA-410.4 1978
Cyanide	U	0.02 mg/L	0.02	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		6.6 mg/L	2	SW846-9060
Total Organic Halides (TOX)		0.0758 mg/L	0.01	SW846-9020A

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MW397

SG03-03

C-746 S&amp;T QUARTERLY - APRIL SG03-03

MW397SG3-03

Collected: 4/8/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		42.1	mg/L		2	SW846-9056
Fluoride		0.17	mg/L		0.1	9214
Nitrate as Nitrogen		1.4	mg/L		1	SW846-9056
Sulfate		12.8	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		30.06	Inches/Hg			
Conductivity		390	umho/cm			
Depth to Water		60.09	ft			
Dissolved Oxygen		3.77	mg/L			
pH		6.3	Std Unit			
Redox		155	mV			
Temperature		57.3	deg F			
Turbidity		3.8	NTU			
<b>METAL</b>						
Aluminum	JNUX	0.2	mg/L		0.2	SW846-6020
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Barium	N	0.167	mg/L		0.005	SW846-6020
Beryllium	*U	0.001	mg/L		0.001	SW846-6020
Boron	BU	0.2	mg/L		0.2	SW846-6020
Cadmium	*U	0.001	mg/L		0.001	SW846-6020
Calcium	JNW	20.3	mg/L		10	SW846-6020
Chromium	*U	0.02	mg/L		0.02	SW846-6020
Cobalt	*JU	0.001	mg/L		0.001	SW846-6020
Copper	*U	0.02	mg/L		0.02	SW846-6020
Iron	U	0.2	mg/L		0.2	SW846-6020
Lead	*U	0.005	mg/L		0.005	SW846-6020
Magnesium	JW	7.28	mg/L		0.2	SW846-6020
Manganese		0.0407	mg/L		0.005	SW846-6020
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	*U	0.005	mg/L		0.005	SW846-6020
Potassium		1.73	mg/L		0.2	SW846-6020
Rhodium	U	0.005	mg/L		0.005	SW846-6020
Selenium	U	0.005	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium	NW	46.1	mg/L		10	SW846-6020
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	*U	0.01	mg/L		0.01	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Vanadium	*U	0.02	mg/L		0.02	SW846-6020
Zinc	*U	0.035	mg/L		0.035	SW846-6020
<b>METAL-D</b>						
Barium, Dissolved		0.167	mg/L		0.005	SW846-6020
<b>PHYSC</b>						
Dissolved Solids		217	mg/L		44	EPA-160.1
<b>RADS</b>						
Alpha activity	U	4.44	pCi/L	1.94	6.73	EPA-900.0
Beta activity	D	10	pCi/L	1.82	7.39	EPA-900.0

## MW397

## SG03-03

## C-746 S&amp;T QUARTERLY - APRIL SG03-03

Iodine-131	U	-5.96	pCi/L	11.9	17.2	RL-7124
Strontium-90	U	2.7	pCi/L	0.4	5.78	RL-7145
Technetium-99		20.1	pCi/L	12.4	16.9	RL-7100
Thorium-234	U	-5.99	pCi/L	12	269	RL-7124
Tritium	U	188	pCi/L	159	260	704R6
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	JU	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	JU	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	U	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	JU	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	JU	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	JU	0.005	mg/L		0.005	SW846-8260
Methylene chloride	JU	0.005	mg/L		0.005	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene	U	0.001	mg/L		0.001	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L		0.005	SW846-8260
Vinyl acetate	JU	0.01	mg/L		0.01	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260

**MW397**

**SG03-03**

**C-746 S&T QUARTERLY - APRIL SG03-03**

**WETCHEM**

Chemical Oxygen Demand (COD)	U	35 mg/L	35	EPA-410.4 1978
Cyanide	U	0.02 mg/L	0.02	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		1.9 mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.0199 mg/L	0.01	SW846-9020A

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## MW220

## SG03-04

## C-746 S&amp;T QUARTERLY - JULY SG03-04

## MW220SG4-03

Collected: 7/14/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		30.8	mg/L		2	SW846-9056
Fluoride		0.32	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		14.9	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.91	Inches/Hg			
Conductivity		430	umho/cm			
Depth to Water		51.95	ft			
Dissolved Oxygen		0.94	mg/L			
pH		6.3	Std Unit			
Redox		30	mV			
Temperature		64	deg F			
Turbidity		9.6	NTU			
<b>METAL</b>						
Aluminum	NU	0.2	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Barium		0.605	mg/L		0.05	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	JU	0.2	mg/L		0.2	SW846-6010A
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium	N	33.9	mg/L		1	SW846-6010A
Chromium	U	0.02	mg/L		0.02	SW846-6020
Cobalt	N	0.161	mg/L		0.01	SW846-6020
Copper	U	0.02	mg/L		0.02	SW846-6020
Iron		4.33	mg/L		0.2	SW846-6010A
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		14.7	mg/L		0.2	SW846-6010A
Manganese	N	2.54	mg/L		0.05	SW846-6020
Mercury	BUW	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	B	0.00245	mg/L		0.001	SW846-6020
Nickel	N	0.106	mg/L		0.005	SW846-6020
Potassium		1.13	mg/L		0.4	SW846-6010A
Rhodium	U	0.005	mg/L		0.005	SW846-6020
Selenium	BU	0.005	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium	N	58.2	mg/L		1.5	SW846-6010A
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	BU	0.01	mg/L		0.01	SW846-6020
Uranium	UX	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc		0.0389	mg/L		0.02	SW846-6020
<b>METAL-D</b>						
Barium, Dissolved	B	0.52	mg/L		0.005	SW846-6020
<b>PHYSC</b>						
Dissolved Solids		262	mg/L		48	EPA-160.1
<b>PCCB</b>						
PCB-1016	U	0.00017	mg/L		0.0002	SW846-8082
PCB-1221	U	0.00017	mg/L		0.0002	SW846-8082

## MW220

## SG03-04

## C-746 S&amp;T QUARTERLY - JULY SG03-04

PCB-1232	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1242		0.00078	mg/L	0.0001	SW846-8082
PCB-1248	U	0.00015	mg/L	0.0002	SW846-8082
PCB-1254	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1260	U	0.00009	mg/L	9E-05	SW846-8082
PCB-1268	U	0.0001	mg/L	0.0001	SW846-8082
Polychlorinated biphenyl		0.00078	mg/L	0.0002	SW846-8082
<b>RADS</b>					
Alpha activity	U	1.51	pCi/L	0.91	6 EPA-900.0
Beta activity		8.53	pCi/L	1.53	6.11 EPA-900.0
Iodine-131	U	13.8	pCi/L	27.5	24.4 RL-7124
Strontium-90	U	0.789	pCi/L	0.12	6.75 RL-7145
Technetium-99	U	0	pCi/L	0	19.1 RL-7100
Thorium-234	U	-0.817	pCi/L	1.63	315 RL-7124
Tritium	U	-60.9	pCi/L	159	268 704R6
<b>SVOA</b>					
1,2-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
<b>VOA</b>					
1,1,1,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.0002	mg/L	0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	0.005	SW846-8260
2-Butanone	U	0.01	mg/L	0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L	0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L	0.01	SW846-8260
Acetone	U	0.01	mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L	0.01	SW846-8260
Benzene	U	0.005	mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromoform	U	0.005	mg/L	0.005	SW846-8260
Bromomethane	U	0.005	mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L	0.005	SW846-8260
Chloroethane	U	0.005	mg/L	0.005	SW846-8260
Chloromethane	U	0.005	mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Dibromomethane	U	0.005	mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	0.005	SW846-8260
Ethanol	JU	0.25	mg/L	0.25	SW846-8015
Ethyl methacrylate	JU	0.005	mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L	0.005	SW846-8260
Iodomethane	U	0.005	mg/L	0.005	SW846-8260
Methylene chloride	JU	0.005	mg/L	0.005	SW846-8260

**MW220****SG03-04****C-746 S&T QUARTERLY - JULY SG03-04**

Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	JU	0.005 mg/L	0.005	SW846-8260
Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	35 mg/L	35	EPA-410.4 1978
Cyanide	*UX	0.02 mg/L	0.02	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		3.3 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.01 mg/L	0.01	SW846-9020A

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MW221

SG03-04

C-746 S&T QUARTERLY - JULY SG03-04

MW221SG4-03

Collected: 7/14/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		44.6	mg/L		2	SW846-9056
Fluoride		0.22	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		12.1	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.94	Inches/Hg			
Conductivity		396	umho/cm			
Depth to Water		61.55	ft			
Dissolved Oxygen		1.31	mg/L			
pH		6.16	Std Unit			
Redox		86	mV			
Temperature		65.7	deg F			
Turbidity		14.1	NTU			
<b>METAL</b>						
Aluminum	NU	0.2	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Barium		0.273	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	JU	0.2	mg/L		0.2	SW846-6010A
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium	N	21.3	mg/L		1	SW846-6010A
Chromium	U	0.02	mg/L		0.02	SW846-6020
Cobalt	N	0.0419	mg/L		0.001	SW846-6020
Copper	U	0.02	mg/L		0.02	SW846-6020
Iron		0.879	mg/L		0.2	SW846-6010A
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		10.3	mg/L		0.2	SW846-6010A
Manganese	N	0.818	mg/L		0.05	SW846-6020
Mercury	BUW	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	B	0.00868	mg/L		0.001	SW846-6020
Nickel	N	0.0402	mg/L		0.005	SW846-6020
Potassium		1.61	mg/L		0.4	SW846-6010A
Rhodium	U	0.005	mg/L		0.005	SW846-6020
Selenium	B	0.00528	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium	N	43.6	mg/L		1.5	SW846-6010A
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	BU	0.01	mg/L		0.01	SW846-6020
Uranium	UX	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.02	mg/L		0.02	SW846-6020
<b>METAL-D</b>						
Barium, Dissolved	B	0.258	mg/L		0.005	SW846-6020
<b>PHYSC</b>						
Dissolved Solids		235	mg/L		48	EPA-160.1
<b>PCCB</b>						
PCB-1016	U	0.00017	mg/L		0.0002	SW846-8082
PCB-1221	U	0.00017	mg/L		0.0002	SW846-8082

## MW221

## SG03-04

## C-746 S&amp;T QUARTERLY - JULY SG03-04

PCB-1232	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1242		0.00787	mg/L	0.0001	SW846-8082
PCB-1248	U	0.00015	mg/L	0.0002	SW846-8082
PCB-1254	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1260	U	0.00009	mg/L	9E-05	SW846-8082
PCB-1268	U	0.0001	mg/L	0.0001	SW846-8082
Polychlorinated biphenyl		0.00787	mg/L	0.0002	SW846-8082
<b>RADS</b>					
Alpha activity	U	2.13	pCi/L	1.23	5.41 EPA-900.0
Beta activity	U	2.49	pCi/L	0.543	5.98 EPA-900.0
Iodine-131	U	-5.35	pCi/L	10.7	19.3 RL-7124
Strontium-90	U	-1.22	pCi/L	0.206	6.75 RL-7145
Technetium-99	U	0	pCi/L	0	19.1 RL-7100
Thorium-234	U	10.5	pCi/L	20.9	319 RL-7124
Tritium	U	-134	pCi/L	158	268 704R6
<b>SVOA</b>					
1,2-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
<b>VOA</b>					
1,1,1,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.0002	mg/L	0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	0.005	SW846-8260
2-Butanone	U	0.01	mg/L	0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L	0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L	0.01	SW846-8260
Acetone	U	0.01	mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L	0.01	SW846-8260
Benzene	U	0.005	mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromoform	U	0.005	mg/L	0.005	SW846-8260
Bromomethane	U	0.005	mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L	0.005	SW846-8260
Chloroethane	U	0.005	mg/L	0.005	SW846-8260
Chloromethane	U	0.005	mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Dibromomethane	U	0.005	mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	0.005	SW846-8260
Ethanol	U	0.25	mg/L	0.25	SW846-8015
Ethyl methacrylate	JU	0.005	mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L	0.005	SW846-8260
Iodomethane	U	0.005	mg/L	0.005	SW846-8260
Methylene chloride	JU	0.005	mg/L	0.005	SW846-8260

**MW221****SG03-04****C-746 S&T QUARTERLY - JULY SG03-04**

Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	JU	0.005 mg/L	0.005	SW846-8260
Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	35 mg/L	35	EPA-410.4 1978
Cyanide	*UX	0.02 mg/L	0.02	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		1.6 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.01 mg/L	0.01	SW846-9020A

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# Paducah-OREIS Data Report

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12/18/2007

**MW222**

**SG03-04**

## C-746 S&T QUARTERLY - JULY SG03-04

**MW222SG4-03**

Collected: 7/14/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		43.4	mg/L		2	SW846-9056
Fluoride		0.35	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate	U	5	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.94	Inches/Hg			
Conductivity		610	umho/cm			
Depth to Water		56.6	ft			
Dissolved Oxygen		0.77	mg/L			
pH		6.45	Std Unit			
Redox		-96	mV			
Temperature		65.6	deg F			
Turbidity		45.7	NTU			
<b>METAL</b>						
Aluminum	N	0.3	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Barium		1.76	mg/L		0.05	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	JU	0.2	mg/L		0.2	SW846-6010A
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium	N	32.2	mg/L		1	SW846-6010A
Chromium	U	0.02	mg/L		0.02	SW846-6020
Cobalt	N	0.574	mg/L		0.01	SW846-6020
Copper	U	0.02	mg/L		0.02	SW846-6020
Iron		9.37	mg/L		0.2	SW846-6010A
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		14.7	mg/L		0.2	SW846-6010A
Manganese	N	17.9	mg/L		0.5	SW846-6020
Mercury	BW	0.0003	mg/L		0.0002	SW846-7470
Molybdenum	B	0.00303	mg/L		0.001	SW846-6020
Nickel	N	0.398	mg/L		0.05	SW846-6020
Potassium		1.1	mg/L		0.4	SW846-6010A
Rhodium	U	0.005	mg/L		0.005	SW846-6020
Selenium	BU	0.005	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium	N	72.4	mg/L		1.5	SW846-6010A
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	BU	0.01	mg/L		0.01	SW846-6020
Uranium	UX	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc		0.0509	mg/L		0.02	SW846-6020
<b>METAL-D</b>						
Barium, Dissolved		1.76	mg/L		0.05	SW846-6020
Mercury, Dissolved	*NUW	0.0002	mg/L		0.0002	SW846-7470
<b>PHYSC</b>						
Dissolved Solids		404	mg/L		48	EPA-160.1
<b>PCCB</b>						
PCB-1016	U	0.00017	mg/L		0.0002	SW846-8082

## MW222

## SG03-04

## C-746 S&amp;T QUARTERLY - JULY SG03-04

PCB-1221	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1232	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1242		0.0031	mg/L	0.0001	SW846-8082
PCB-1248	U	0.00015	mg/L	0.0002	SW846-8082
PCB-1254	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1260	U	0.00009	mg/L	9E-05	SW846-8082
PCB-1268	U	0.0001	mg/L	0.0001	SW846-8082
Polychlorinated biphenyl		0.0031	mg/L	0.0002	SW846-8082
<b>RADS</b>					
Alpha activity	U	6.25	pCi/L	2.87	7.32 EPA-900.0
Beta activity	U	5.79	pCi/L	1.14	6.39 EPA-900.0
Iodine-131	U	0.631	pCi/L	1.26	20.4 RL-7124
Strontium-90	U	1.65	pCi/L	0.24	6.75 RL-7145
Technetium-99	U	0	pCi/L	0	19.1 RL-7100
Thorium-234	U	124	pCi/L	248	331 RL-7124
Tritium	U	14.2	pCi/L	160	268 704R6
<b>SVOA</b>					
1,2-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
<b>VOA</b>					
1,1,1,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.0002	mg/L	0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	0.005	SW846-8260
2-Butanone	U	0.01	mg/L	0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L	0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L	0.01	SW846-8260
Acetone		0.014	mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L	0.01	SW846-8260
Benzene	U	0.005	mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromoform	U	0.005	mg/L	0.005	SW846-8260
Bromomethane	U	0.005	mg/L	0.005	SW846-8260
Carbon disulfide	UX	0.005	mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L	0.005	SW846-8260
Chloroethane	U	0.005	mg/L	0.005	SW846-8260
Chloromethane	U	0.005	mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Dibromomethane	U	0.005	mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	0.005	SW846-8260
Ethanol	U	0.25	mg/L	0.25	SW846-8015
Ethyl methacrylate	JU	0.005	mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L	0.005	SW846-8260
Iodomethane	U	0.005	mg/L	0.005	SW846-8260

**MW222****SG03-04****C-746 S&T QUARTERLY - JULY SG03-04**

Methylene chloride	JU	0.005 mg/L	0.005	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	JU	0.005 mg/L	0.005	SW846-8260
Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)		56 mg/L	35	EPA-410.4 1978
Cyanide	*UX	0.02 mg/L	0.02	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		26 mg/L	5	SW846-9060
Total Organic Halides (TOX)	U	0.01 mg/L	0.01	SW846-9020A

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**MW223**

**SG03-04**

**C-746 S&T QUARTERLY - JULY SG03-04**

**MW223SG4-03**

Collected: 7/15/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		38	mg/L		2	SW846-9056
Fluoride		0.54	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		6.5	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.91	Inches/Hg			
Conductivity		725	umho/cm			
Depth to Water		64.77	ft			
Dissolved Oxygen		2.04	mg/L			
pH		6.8	Std Unit			
Redox		-28	mV			
Temperature		65.9	deg F			
Turbidity		8.2	NTU			
<b>METAL</b>						
Aluminum	N	0.643	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Barium		1.75	mg/L		0.05	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6010A
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium	N	34.3	mg/L		1	SW846-6010A
Chromium		0.0267	mg/L		0.02	SW846-6020
Cobalt	N	0.191	mg/L		0.01	SW846-6020
Copper	U	0.02	mg/L		0.02	SW846-6020
Iron		7.07	mg/L		0.2	SW846-6010A
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		14	mg/L		0.2	SW846-6010A
Manganese	N	36.5	mg/L		0.5	SW846-6020
Mercury	BUW	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	B	0.0237	mg/L		0.001	SW846-6020
Nickel	N	0.592	mg/L		0.05	SW846-6020
Potassium		6.71	mg/L		0.4	SW846-6010A
Rhodium	U	0.005	mg/L		0.005	SW846-6020
Selenium	BU	0.005	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium	N	66.3	mg/L		1.5	SW846-6010A
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	BU	0.01	mg/L		0.01	SW846-6020
Uranium	UX	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc		0.0665	mg/L		0.02	SW846-6020
<b>METAL-D</b>						
Barium, Dissolved		1.71	mg/L		0.05	SW846-6020
Chromium, Dissolved	U	0.02	mg/L		0.02	SW846-6020
<b>PHYSC</b>						
Dissolved Solids		435	mg/L		48	EPA-160.1
<b>PCCB</b>						
PCB-1016	U	0.00017	mg/L		0.0002	SW846-8082

## MW223

## SG03-04

## C-746 S&amp;T QUARTERLY - JULY SG03-04

PCB-1221	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1232	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1242		0.00161	mg/L	0.0001	SW846-8082
PCB-1248	U	0.00015	mg/L	0.0002	SW846-8082
PCB-1254	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1260	U	0.00009	mg/L	9E-05	SW846-8082
PCB-1268	U	0.0001	mg/L	0.0001	SW846-8082
Polychlorinated biphenyl		0.00161	mg/L	0.0002	SW846-8082
<b>RADS</b>					
Alpha activity	U	5.23	pCi/L	2.47	7.27 EPA-900.0
Beta activity		11.2	pCi/L	1.91	6.38 EPA-900.0
Iodine-131	U	-7.42	pCi/L	14.9	23.7 RL-7124
Strontium-90	U	-0.357	pCi/L	0.0574	6.75 RL-7145
Technetium-99	U	-6.96	pCi/L	0	18.2 RL-7100
Thorium-234	U	121	pCi/L	242	333 RL-7124
Tritium	U	-136	pCi/L	158	268 704R6
<b>SVOA</b>					
1,2-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
<b>VOA</b>					
1,1,1,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.0002	mg/L	0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	0.005	SW846-8260
2-Butanone	UX	0.01	mg/L	0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L	0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L	0.01	SW846-8260
Acetone	U	0.01	mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L	0.01	SW846-8260
Benzene	U	0.005	mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromoform	U	0.005	mg/L	0.005	SW846-8260
Bromomethane	U	0.005	mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L	0.005	SW846-8260
Chloroethane	U	0.005	mg/L	0.005	SW846-8260
Chloromethane	U	0.005	mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Dibromomethane	U	0.005	mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	0.005	SW846-8260
Ethanol	JU	0.25	mg/L	0.25	SW846-8015
Ethyl methacrylate	JU	0.005	mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L	0.005	SW846-8260
Iodomethane	U	0.005	mg/L	0.005	SW846-8260



**MW223****SG03-04****C-746 S&T QUARTERLY - JULY SG03-04**

Methylene chloride	JU	0.005 mg/L	0.005	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	JU	0.005 mg/L	0.005	SW846-8260
Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	35 mg/L	35	EPA-410.4 1978
Cyanide	*UX	0.02 mg/L	0.02	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		6.9 mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.0131 mg/L	0.01	SW846-9020A

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**MW224**

**SG03-04**

**C-746 S&T QUARTERLY - JULY SG03-04**

**MW224SG4-03**

Collected: 7/14/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		43.7	mg/L		2	SW846-9056
Fluoride		0.29	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		6.9	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.91	Inches/Hg			
Conductivity		498	umho/cm			
Depth to Water		66.05	ft			
Dissolved Oxygen		0.86	mg/L			
pH		6.25	Std Unit			
Redox		-31	mV			
Temperature		65.5	deg F			
Turbidity		6.5	NTU			
<b>METAL</b>						
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Barium	NX	0.533	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6010A
Cadmium	UX	0.001	mg/L		0.001	SW846-6020
Calcium	N	29.8	mg/L		1	SW846-6010A
Chromium	U	0.02	mg/L		0.02	SW846-6020
Cobalt	N	0.132	mg/L		0.01	SW846-6020
Copper	NUWX	0.02	mg/L		0.02	SW846-6020
Iron	N	3.61	mg/L		0.2	SW846-6010A
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium	N	12.1	mg/L		0.2	SW846-6010A
Manganese	N	2.06	mg/L		0.05	SW846-6020
Mercury	BUW	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	B	0.00234	mg/L		0.001	SW846-6020
Nickel	N	0.0933	mg/L		0.005	SW846-6020
Potassium		0.803	mg/L		0.4	SW846-6010A
Selenium	NWX	0.00551	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium	JN	55	mg/L		1.5	SW846-6010A
Thallium	BU	0.002	mg/L		0.002	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Vanadium	UX	0.02	mg/L		0.02	SW846-6020
Zinc	NX	0.0259	mg/L		0.02	SW846-6020
<b>METAL-D</b>						
Barium, Dissolved	B	0.498	mg/L		0.005	SW846-6020
<b>PHYSC</b>						
Dissolved Solids		301	mg/L		48	EPA-160.1
<b>PCCB</b>						
PCB-1016	U	0.00017	mg/L		0.0002	SW846-8082
PCB-1221	U	0.00017	mg/L		0.0002	SW846-8082
PCB-1232	U	0.00017	mg/L		0.0002	SW846-8082
PCB-1242		0.00024	mg/L		0.0001	SW846-8082
PCB-1248	U	0.00015	mg/L		0.0002	SW846-8082

**MW224****SG03-04****C-746 S&T QUARTERLY - JULY SG03-04**

PCB-1254	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1260	U	0.00009	mg/L	9E-05	SW846-8082
PCB-1268	U	0.0001	mg/L	0.0001	SW846-8082
Polychlorinated biphenyl		0.00024	mg/L	0.0002	SW846-8082
<b>RADS</b>					
Alpha activity		9	pCi/L	3.46	EPA-900.0
Beta activity	U	2.26	pCi/L	0.498	EPA-900.0
Iodine-131	U	15.6	pCi/L	31.3	RL-7124
Strontium-90	U	-1.21	pCi/L	0.204	RL-7145
Technetium-99	U	1.41	pCi/L	13.3	RL-7100
Thorium-234	U	-7.89	pCi/L	15.8	323 RL-7124
Tritium	U	-130	pCi/L	158	268 704R6
<b>SVOA</b>					
1,2-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
<b>VOA</b>					
1,1,1,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.0002	mg/L	0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	0.005	SW846-8260
2-Butanone	U	0.01	mg/L	0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L	0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L	0.01	SW846-8260
Acetone	U	0.01	mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L	0.01	SW846-8260
Benzene	U	0.005	mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromoform	U	0.005	mg/L	0.005	SW846-8260
Bromomethane	U	0.005	mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L	0.005	SW846-8260
Chloroethane	U	0.005	mg/L	0.005	SW846-8260
Chloromethane	U	0.005	mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Dibromomethane	U	0.005	mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	0.005	SW846-8260
Ethanol	U	0.25	mg/L	0.25	SW846-8015
Ethyl methacrylate	JU	0.005	mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L	0.005	SW846-8260
Iodomethane	U	0.005	mg/L	0.005	SW846-8260
Methylene chloride	JU	0.005	mg/L	0.005	SW846-8260
Styrene	U	0.005	mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L	0.005	SW846-8260
Toluene	U	0.005	mg/L	0.005	SW846-8260

**MW224****SG03-04****C-746 S&T QUARTERLY - JULY SG03-04**

Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	JU	0.005 mg/L	0.005	SW846-8260
Trichloroethene		0.002 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	35 mg/L	35	EPA-410.4 1978
Cyanide	*UX	0.02 mg/L	0.02	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		3.5 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.01 mg/L	0.01	SW846-9020A

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**MW384**

**SG03-04**

**C-746 S&T QUARTERLY - JULY SG03-04**

**MW384SG4-03**

Collected: 7/15/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		80.2	mg/L		10	SW846-9056
Fluoride		0.4	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		21.2	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.91	Inches/Hg			
Conductivity		876	umho/cm			
Depth to Water		35.85	ft			
Dissolved Oxygen		0.83	mg/L			
pH		6.7	Std Unit			
Redox		-82	mV			
Temperature		65.9	deg F			
Turbidity		5.4	NTU			
<b>METAL</b>						
Aluminum	NU	0.2	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic	X	0.0194	mg/L		0.01	SW846-6020
Barium		0.368	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6010A
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium	N	34.6	mg/L		2	SW846-6010A
Chromium	U	0.02	mg/L		0.02	SW846-6020
Cobalt	NU	0.001	mg/L		0.001	SW846-6020
Copper	U	0.02	mg/L		0.02	SW846-6020
Iron		15.3	mg/L		0.2	SW846-6010A
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		13.1	mg/L		0.2	SW846-6010A
Manganese	N	2.15	mg/L		0.05	SW846-6020
Mercury	BUW	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	NU	0.005	mg/L		0.005	SW846-6020
Potassium		1.59	mg/L		0.4	SW846-6010A
Rhodium	U	0.005	mg/L		0.005	SW846-6020
Selenium	B	0.00505	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium	N	111	mg/L		1.5	SW846-6010A
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	BU	0.01	mg/L		0.01	SW846-6020
Uranium	UX	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.02	mg/L		0.02	SW846-6020
<b>METAL-D</b>						
Barium, Dissolved	B	0.352	mg/L		0.005	SW846-6020
<b>PHYSC</b>						
Dissolved Solids		437	mg/L		48	EPA-160.1
<b>PCCB</b>						
PCB-1016	U	0.00017	mg/L		0.0002	SW846-8082

## MW384

## SG03-04

## C-746 S&amp;T QUARTERLY - JULY SG03-04

PCB-1221	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1232	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1242	U	0.00013	mg/L	0.0001	SW846-8082
PCB-1248	U	0.00015	mg/L	0.0002	SW846-8082
PCB-1254	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1260	U	0.00009	mg/L	9E-05	SW846-8082
PCB-1268	U	0.0001	mg/L	0.0001	SW846-8082
Polychlorinated biphenyl	U	0.00017	mg/L	0.0002	SW846-8082
<b>RADS</b>					
Alpha activity	U	1.43	pCi/L	0.827	8.74 EPA-900.0
Beta activity		23.7	pCi/L	3.26	6.69 EPA-900.0
Iodine-131	U	-0.708	pCi/L	1.42	22.6 RL-7124
Strontium-90	U	1.68	pCi/L	0.245	6.75 RL-7145
Technetium-99		29.4	pCi/L	13.5	18.2 RL-7100
Thorium-234	U	12	pCi/L	24.1	324 RL-7124
Tritium	U	-75.1	pCi/L	159	268 704R6
<b>SVOA</b>					
1,2-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
<b>VOA</b>					
1,1,1,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.0002	mg/L	0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	0.005	SW846-8260
2-Butanone	U	0.01	mg/L	0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L	0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L	0.01	SW846-8260
Acetone	U	0.01	mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L	0.01	SW846-8260
Benzene	U	0.005	mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromoform	U	0.005	mg/L	0.005	SW846-8260
Bromomethane	U	0.005	mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L	0.005	SW846-8260
Chloroethane	U	0.005	mg/L	0.005	SW846-8260
Chloromethane	U	0.005	mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Dibromomethane	U	0.005	mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	0.005	SW846-8260
Ethanol	U	0.25	mg/L	0.25	SW846-8015
Ethyl methacrylate	JU	0.005	mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L	0.005	SW846-8260
Iodomethane	U	0.005	mg/L	0.005	SW846-8260

**MW384****SG03-04****C-746 S&T QUARTERLY - JULY SG03-04**

Methylene chloride	JU	0.005 mg/L	0.005	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	JU	0.005 mg/L	0.005	SW846-8260
Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)		39 mg/L	35	EPA-410.4 1978
Cyanide	*UX	0.02 mg/L	0.02	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		10 mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.263 mg/L	0.01	SW846-9020A

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**MW385**

**SG03-04**

**C-746 S&T QUARTERLY - JULY SG03-04**

**MW385SG4-03**

Collected: 7/15/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		31.6	mg/L		2	SW846-9056
Fluoride		0.32	mg/L		0.1	9214
Nitrate as Nitrogen		1.5	mg/L		1	SW846-9056
Sulfate		16.8	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.91	Inches/Hg			
Conductivity		486	umho/cm			
Depth to Water		36.28	ft			
Dissolved Oxygen		1.54	mg/L			
pH		7.1	Std Unit			
Redox		123	mV			
Temperature		66.8	deg F			
Turbidity		1.6	NTU			
<b>METAL</b>						
Aluminum	NU	0.2	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Barium		0.173	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6010A
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium	N	31.8	mg/L		1	SW846-6010A
Chromium	U	0.02	mg/L		0.02	SW846-6020
Cobalt	NU	0.001	mg/L		0.001	SW846-6020
Copper	U	0.02	mg/L		0.02	SW846-6020
Iron	U	0.2	mg/L		0.2	SW846-6010A
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		8.42	mg/L		0.2	SW846-6010A
Manganese	N	0.0255	mg/L		0.005	SW846-6020
Mercury	BUW	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	B	0.00102	mg/L		0.001	SW846-6020
Nickel	NU	0.005	mg/L		0.005	SW846-6020
Potassium		1.72	mg/L		0.4	SW846-6010A
Rhodium	U	0.005	mg/L		0.005	SW846-6020
Selenium	BU	0.005	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium	N	31.6	mg/L		1.5	SW846-6010A
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	BU	0.01	mg/L		0.01	SW846-6020
Uranium	UX	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.02	mg/L		0.02	SW846-6020
<b>METAL-D</b>						
Barium, Dissolved	B	0.181	mg/L		0.005	SW846-6020
<b>PHYSC</b>						
Dissolved Solids		225	mg/L		48	EPA-160.1
<b>PCCB</b>						
PCB-1016	U	0.00017	mg/L		0.0002	SW846-8082
PCB-1221	U	0.00017	mg/L		0.0002	SW846-8082



## MW385

## SG03-04

## C-746 S&amp;T QUARTERLY - JULY SG03-04

PCB-1232	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1242	U	0.00013	mg/L	0.0001	SW846-8082
PCB-1248	U	0.00015	mg/L	0.0002	SW846-8082
PCB-1254	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1260	U	0.00009	mg/L	9E-05	SW846-8082
PCB-1268	U	0.0001	mg/L	0.0001	SW846-8082
Polychlorinated biphenyl	U	0.00017	mg/L	0.0002	SW846-8082
<b>RADS</b>					
Alpha activity	U	2.35	pCi/L	0.858	5.36 EPA-900.0
Beta activity		102	pCi/L	7.39	5.97 EPA-900.0
Iodine-131	U	-7.73	pCi/L	15.5	22.4 RL-7124
Strontium-90	U	-0.9	pCi/L	0.149	6.75 RL-7145
Technetium-99		138	pCi/L	16.8	18.2 RL-7100
Thorium-234	U	106	pCi/L	212	332 RL-7124
Tritium	U	62.9	pCi/L	162	268 704R6
<b>SVOA</b>					
1,2-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
<b>VOA</b>					
1,1,1,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.0002	mg/L	0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	0.005	SW846-8260
2-Butanone	U	0.01	mg/L	0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L	0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L	0.01	SW846-8260
Acetone	U	0.01	mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L	0.01	SW846-8260
Benzene	U	0.005	mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromoform	U	0.005	mg/L	0.005	SW846-8260
Bromomethane	U	0.005	mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L	0.005	SW846-8260
Chloroethane	U	0.005	mg/L	0.005	SW846-8260
Chloromethane	U	0.005	mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Dibromomethane	U	0.005	mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	0.005	SW846-8260
Ethanol	U	0.25	mg/L	0.25	SW846-8015
Ethyl methacrylate	JU	0.005	mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L	0.005	SW846-8260
Iodomethane	U	0.005	mg/L	0.005	SW846-8260
Methylene chloride	JU	0.005	mg/L	0.005	SW846-8260

**MW385****SG03-04****C-746 S&T QUARTERLY - JULY SG03-04**

Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	JU	0.005 mg/L	0.005	SW846-8260
Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	35 mg/L	35	EPA-410.4 1978
Cyanide	*UX	0.02 mg/L	0.02	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		1.5 mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.0118 mg/L	0.01	SW846-9020A

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**MW386**

**SG03-04**

**C-746 S&T QUARTERLY - JULY SG03-04**

**MW386SG4-03**

Collected: 7/15/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		34.6	mg/L		2	SW846-9056
Fluoride		0.32	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		17.4	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.91	Inches/Hg			
Conductivity		520	umho/cm			
Depth to Water		22.06	ft			
Dissolved Oxygen		2.44	mg/L			
pH		6.6	Std Unit			
Redox		102	mV			
Temperature		65.9	deg F			
Turbidity		1.3	NTU			
<b>METAL</b>						
Aluminum	NU	0.2	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Barium		0.0459	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6010A
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium	N	20.6	mg/L		1	SW846-6010A
Chromium	U	0.02	mg/L		0.02	SW846-6020
Cobalt	NU	0.001	mg/L		0.001	SW846-6020
Copper	U	0.02	mg/L		0.02	SW846-6020
Iron		0.269	mg/L		0.2	SW846-6010A
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		8.66	mg/L		0.2	SW846-6010A
Manganese	N	0.116	mg/L		0.005	SW846-6020
Mercury	BUW	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	B	0.0023	mg/L		0.001	SW846-6020
Nickel	N	0.0108	mg/L		0.005	SW846-6020
Potassium		0.71	mg/L		0.4	SW846-6010A
Rhodium	U	0.005	mg/L		0.005	SW846-6020
Selenium	BU	0.005	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium	N	76.3	mg/L		1.5	SW846-6010A
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	BU	0.01	mg/L		0.01	SW846-6020
Uranium	UX	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.02	mg/L		0.02	SW846-6020
<b>METAL-D</b>						
Barium, Dissolved		0.048	mg/L		0.005	SW846-6020
<b>PHYSC</b>						
Dissolved Solids		326	mg/L		48	EPA-160.1
<b>PCCB</b>						
PCB-1016	U	0.00017	mg/L		0.0002	SW846-8082
PCB-1221	U	0.00017	mg/L		0.0002	SW846-8082

## MW386

## SG03-04

## C-746 S&amp;T QUARTERLY - JULY SG03-04

PCB-1232	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1242	U	0.00013	mg/L	0.0001	SW846-8082
PCB-1248	U	0.00015	mg/L	0.0002	SW846-8082
PCB-1254	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1260	U	0.00009	mg/L	9E-05	SW846-8082
PCB-1268	U	0.0001	mg/L	0.0001	SW846-8082
Polychlorinated biphenyl	U	0.00017	mg/L	0.0002	SW846-8082
<b>RADS</b>					
Alpha activity	U	-0.0115	pCi/L	0.0094	6.39 EPA-900.0
Beta activity	U	0.152	pCi/L	0.0368	6.2 EPA-900.0
Iodine-131	U	-4.72	pCi/L	9.43	22.7 RL-7124
Strontium-90	U	-1.08	pCi/L	0.18	6.75 RL-7145
Technetium-99	U	-17.6	pCi/L	0	18.2 RL-7100
Thorium-234	U	56.4	pCi/L	113	322 RL-7124
Tritium	U	-75.1	pCi/L	159	268 704R6
<b>SVOA</b>					
1,2-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
<b>VOA</b>					
1,1,1,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.0002	mg/L	0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	0.005	SW846-8260
2-Butanone	U	0.01	mg/L	0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L	0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L	0.01	SW846-8260
Acetone	U	0.01	mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L	0.01	SW846-8260
Benzene	U	0.005	mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromoform	U	0.005	mg/L	0.005	SW846-8260
Bromomethane	U	0.005	mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L	0.005	SW846-8260
Chloroethane	U	0.005	mg/L	0.005	SW846-8260
Chloromethane	U	0.005	mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Dibromomethane	U	0.005	mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	0.005	SW846-8260
Ethanol	JU	0.25	mg/L	0.25	SW846-8015
Ethyl methacrylate	JU	0.005	mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L	0.005	SW846-8260
Iodomethane	U	0.005	mg/L	0.005	SW846-8260
Methylene chloride	JU	0.005	mg/L	0.005	SW846-8260

**MW386****SG03-04****C-746 S&T QUARTERLY - JULY SG03-04**

Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	JU	0.005 mg/L	0.005	SW846-8260
Trichloroethene		0.002 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	35 mg/L	35	EPA-410.4 1978
Cyanide	*UX	0.02 mg/L	0.02	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		3.9 mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.0613 mg/L	0.01	SW846-9020A

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**MW387**

**SG03-04**

**C-746 S&T QUARTERLY - JULY SG03-04**

**MW387SG4-03**

Collected: 7/14/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		44.6	mg/L		2	SW846-9056
Fluoride		0.84	mg/L		0.1	9214
Nitrate as Nitrogen		1.8	mg/L		1	SW846-9056
Sulfate		24.3	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.94	Inches/Hg			
Conductivity		478	umho/cm			
Depth to Water		34.04	ft			
Dissolved Oxygen		3.85	mg/L			
pH		6.3	Std Unit			
Redox		168	mV			
Temperature		67.7	deg F			
Turbidity		1.7	NTU			
<b>METAL</b>						
Aluminum	N	0.309	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Barium		0.176	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	JU	0.2	mg/L		0.2	SW846-6010A
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium	N	31	mg/L		1	SW846-6010A
Chromium	U	0.02	mg/L		0.02	SW846-6020
Cobalt	NU	0.001	mg/L		0.001	SW846-6020
Copper	U	0.02	mg/L		0.02	SW846-6020
Iron		0.442	mg/L		0.2	SW846-6010A
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		12.9	mg/L		0.2	SW846-6010A
Manganese	N	0.0132	mg/L		0.005	SW846-6020
Mercury	BUW	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	NU	0.005	mg/L		0.005	SW846-6020
Potassium		1.88	mg/L		0.4	SW846-6010A
Rhodium	U	0.005	mg/L		0.005	SW846-6020
Selenium	BU	0.005	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium	N	41.8	mg/L		1.5	SW846-6010A
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	BU	0.01	mg/L		0.01	SW846-6020
Uranium	UX	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.02	mg/L		0.02	SW846-6020
<b>METAL-D</b>						
Barium, Dissolved	B	0.182	mg/L		0.005	SW846-6020
<b>PHYSC</b>						
Dissolved Solids		280	mg/L		48	EPA-160.1
<b>PCCB</b>						
PCB-1016	U	0.00017	mg/L		0.0002	SW846-8082
PCB-1221	U	0.00017	mg/L		0.0002	SW846-8082

## MW387

## SG03-04

## C-746 S&amp;T QUARTERLY - JULY SG03-04

PCB-1232	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1242	U	0.00013	mg/L	0.0001	SW846-8082
PCB-1248	U	0.00015	mg/L	0.0002	SW846-8082
PCB-1254	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1260	U	0.00009	mg/L	9E-05	SW846-8082
PCB-1268	U	0.0001	mg/L	0.0001	SW846-8082
Polychlorinated biphenyl	U	0.00017	mg/L	0.0002	SW846-8082
<b>RADS</b>					
Alpha activity	U	3.65	pCi/L	1.41	5.68 EPA-900.0
Beta activity		69.3	pCi/L	5.99	6.04 EPA-900.0
Iodine-131	U	-11.5	pCi/L	22.9	18.5 RL-7124
Strontium-90	U	-0.555	pCi/L	0.0901	6.75 RL-7145
Technetium-99		88.3	pCi/L	16	19.1 RL-7100
Thorium-234	U	106	pCi/L	212	338 RL-7124
Tritium	U	62.9	pCi/L	162	268 704R6
<b>SVOA</b>					
1,2-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
<b>VOA</b>					
1,1,1,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.0002	mg/L	0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	0.005	SW846-8260
2-Butanone	U	0.01	mg/L	0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L	0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L	0.01	SW846-8260
Acetone	U	0.01	mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L	0.01	SW846-8260
Benzene	U	0.005	mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromoform	U	0.005	mg/L	0.005	SW846-8260
Bromomethane	U	0.005	mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L	0.005	SW846-8260
Chloroethane	U	0.005	mg/L	0.005	SW846-8260
Chloromethane	U	0.005	mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Dibromomethane	U	0.005	mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	0.005	SW846-8260
Ethanol	U	0.25	mg/L	0.25	SW846-8015
Ethyl methacrylate	JU	0.005	mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L	0.005	SW846-8260
Iodomethane	U	0.005	mg/L	0.005	SW846-8260
Methylene chloride	JU	0.005	mg/L	0.005	SW846-8260

**MW387****SG03-04****C-746 S&T QUARTERLY - JULY SG03-04**

Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	JU	0.005 mg/L	0.005	SW846-8260
Trichloroethene	X	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	35 mg/L	35	EPA-410.4 1978
Cyanide	*UX	0.02 mg/L	0.02	SW846-9010-A
Iodide		2.7 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.01 mg/L	0.01	SW846-9020A

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MW388

SG03-04

C-746 S&amp;T QUARTERLY - JULY SG03-04

MW388SG4-03

Collected: 7/14/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		41.4	mg/L		2	SW846-9056
Fluoride		0.27	mg/L		0.1	9214
Nitrate as Nitrogen		1.9	mg/L		1	SW846-9056
Sulfate		13.3	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.94	Inches/Hg			
Conductivity		389	umho/cm			
Depth to Water		34.04	ft			
Dissolved Oxygen		3.74	mg/L			
pH		6.2	Std Unit			
Redox		167	mV			
Temperature		65.2	deg F			
Turbidity		1.1	NTU			
<b>METAL</b>						
Aluminum	NU	0.2	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Barium		0.187	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	JU	0.2	mg/L		0.2	SW846-6010A
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium	N	23.2	mg/L		1	SW846-6010A
Chromium	U	0.02	mg/L		0.02	SW846-6020
Cobalt	NU	0.001	mg/L		0.001	SW846-6020
Copper	U	0.02	mg/L		0.02	SW846-6020
Iron		0.279	mg/L		0.2	SW846-6010A
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		10	mg/L		0.2	SW846-6010A
Manganese	NU	0.005	mg/L		0.005	SW846-6020
Mercury	BUW	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	NU	0.005	mg/L		0.005	SW846-6020
Potassium		1.8	mg/L		0.4	SW846-6010A
Rhodium	U	0.005	mg/L		0.005	SW846-6020
Selenium	BU	0.005	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium	N	35.3	mg/L		1.5	SW846-6010A
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	BU	0.01	mg/L		0.01	SW846-6020
Uranium	UX	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.02	mg/L		0.02	SW846-6020
<b>METAL-D</b>						
Barium, Dissolved	B	0.197	mg/L		0.005	SW846-6020
<b>PHYSC</b>						
Dissolved Solids		225	mg/L		48	EPA-160.1
<b>PCCB</b>						
PCB-1016	U	0.00017	mg/L		0.0002	SW846-8082
PCB-1221	U	0.00017	mg/L		0.0002	SW846-8082

## MW388

## SG03-04

## C-746 S&amp;T QUARTERLY - JULY SG03-04

PCB-1232	U	0.00017	mg/L		0.0002	SW846-8082
PCB-1242	U	0.00013	mg/L		0.0001	SW846-8082
PCB-1248	U	0.00015	mg/L		0.0002	SW846-8082
PCB-1254	U	0.00017	mg/L		0.0002	SW846-8082
PCB-1260	U	0.00009	mg/L		9E-05	SW846-8082
PCB-1268	U	0.0001	mg/L		0.0001	SW846-8082
Polychlorinated biphenyl	U	0.00017	mg/L		0.0002	SW846-8082
<b>RADS</b>						
Alpha activity	U	5.09	pCi/L	2	5.34	EPA-900.0
Beta activity		37.5	pCi/L	4.17	5.96	EPA-900.0
Iodine-131	U	3.63	pCi/L	7.26	20.9	RL-7124
Strontium-90	U	-0.8	pCi/L	0.131	6.75	RL-7145
Technetium-99		38.6	pCi/L	14.4	19.1	RL-7100
Thorium-234	U	-11	pCi/L	22	334	RL-7124
Tritium	U	-32.5	pCi/L	160	268	704R6
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L		0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	U	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	JU	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260
Methylene chloride	JU	0.005	mg/L		0.005	SW846-8260

**MW388****SG03-04****C-746 S&T QUARTERLY - JULY SG03-04**

Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	JU	0.005 mg/L	0.005	SW846-8260
Trichloroethene		0.002 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	35 mg/L	35	EPA-410.4 1978
Cyanide	*UX	0.02 mg/L	0.02	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.01 mg/L	0.01	SW846-9020A

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MW388

SG03-04

C-746 S&amp;T QUARTERLY - JULY SG03-04

MW388DSG4-03

Collected: 7/14/2003

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		41.3	mg/L		2	SW846-9056
Fluoride		0.26	mg/L		0.1	9214
Nitrate as Nitrogen		2	mg/L		1	SW846-9056
Sulfate		13.3	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.94	Inches/Hg			
Conductivity		389	umho/cm			
Depth to Water		34.04	ft			
Dissolved Oxygen		3.74	mg/L			
pH		6.2	Std Unit			
Redox		167	mV			
Temperature		65.2	deg F			
Turbidity		1.1	NTU			
<b>METAL</b>						
Aluminum	NU	0.2	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Barium		0.187	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	JU	0.2	mg/L		0.2	SW846-6010A
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium	N	23.2	mg/L		1	SW846-6010A
Chromium	U	0.02	mg/L		0.02	SW846-6020
Cobalt	NU	0.001	mg/L		0.001	SW846-6020
Copper	U	0.02	mg/L		0.02	SW846-6020
Iron	U	0.2	mg/L		0.2	SW846-6010A
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		10.1	mg/L		0.2	SW846-6010A
Manganese	NU	0.005	mg/L		0.005	SW846-6020
Mercury	BUW	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	NU	0.005	mg/L		0.005	SW846-6020
Potassium		1.81	mg/L		0.4	SW846-6010A
Rhodium	U	0.005	mg/L		0.005	SW846-6020
Selenium	BU	0.005	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium	N	37	mg/L		1.5	SW846-6010A
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	BU	0.01	mg/L		0.01	SW846-6020
Uranium	UX	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.02	mg/L		0.02	SW846-6020
<b>METAL-D</b>						
Barium, Dissolved	B	0.194	mg/L		0.005	SW846-6020
<b>PHYSC</b>						
Dissolved Solids		223	mg/L		48	EPA-160.1
<b>PCCB</b>						
PCB-1016	U	0.00017	mg/L		0.0002	SW846-8082
PCB-1221	U	0.00017	mg/L		0.0002	SW846-8082

## MW388

## SG03-04

## C-746 S&amp;T QUARTERLY - JULY SG03-04

PCB-1232	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1242	U	0.00013	mg/L	0.0001	SW846-8082
PCB-1248	U	0.00015	mg/L	0.0002	SW846-8082
PCB-1254	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1260	U	0.00009	mg/L	9E-05	SW846-8082
PCB-1268	U	0.0001	mg/L	0.0001	SW846-8082
Polychlorinated biphenyl	U	0.00017	mg/L	0.0002	SW846-8082
<b>RADS</b>					
Alpha activity	U	2.95	pCi/L	1.35	5.39 EPA-900.0
Beta activity		30.3	pCi/L	3.66	5.97 EPA-900.0
Iodine-131	U	1.82	pCi/L	3.64	20.4 RL-7124
Strontium-90	U	-0.798	pCi/L	0.131	6.75 RL-7145
Technetium-99		51.1	pCi/L	14.8	19.1 RL-7100
Thorium-234	U	-86.8	pCi/L	174	329 RL-7124
Tritium	U	-97.5	pCi/L	158	268 704R6
<b>SVOA</b>					
1,2-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
<b>VOA</b>					
1,1,1,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.0002	mg/L	0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	0.005	SW846-8260
2-Butanone	U	0.01	mg/L	0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L	0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L	0.01	SW846-8260
Acetone	U	0.01	mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L	0.01	SW846-8260
Benzene	U	0.005	mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromoform	U	0.005	mg/L	0.005	SW846-8260
Bromomethane	U	0.005	mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L	0.005	SW846-8260
Chloroethane	U	0.005	mg/L	0.005	SW846-8260
Chloromethane	U	0.005	mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Dibromomethane	U	0.005	mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	0.005	SW846-8260
Ethanol	U	0.25	mg/L	0.25	SW846-8015
Ethyl methacrylate	JU	0.005	mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L	0.005	SW846-8260
Iodomethane	U	0.005	mg/L	0.005	SW846-8260
Methylene chloride	JU	0.005	mg/L	0.005	SW846-8260

**MW388****SG03-04****C-746 S&T QUARTERLY - JULY SG03-04**

Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	JU	0.005 mg/L	0.005	SW846-8260
Trichloroethene	X	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	35 mg/L	35	EPA-410.4 1978
Cyanide	*UX	0.02 mg/L	0.02	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.01 mg/L	0.01	SW846-9020A

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## MW390

## SG03-04

## C-746 S&amp;T QUARTERLY - JULY SG03-04

## MW390SG4-03

Collected: 7/14/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide		2.6	mg/L		1	SW846-9056
Chloride		312.9	mg/L		20	SW846-9056
Fluoride		0.18	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		22.8	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.94	Inches/Hg			
Conductivity		1320	umho/cm			
Depth to Water		31.1	ft			
Dissolved Oxygen		2.96	mg/L			
pH		6.3	Std Unit			
Redox		16.7	mV			
Temperature		66.8	deg F			
Turbidity		15.7	NTU			
<b>METAL</b>						
Aluminum	N	2.48	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Barium		0.543	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	JU	0.2	mg/L		0.2	SW846-6010A
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium	N	77.6	mg/L		1	SW846-6010A
Chromium	U	0.02	mg/L		0.02	SW846-6020
Cobalt	N	0.00398	mg/L		0.001	SW846-6020
Copper	U	0.02	mg/L		0.02	SW846-6020
Iron		1.57	mg/L		0.2	SW846-6010A
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		31	mg/L		0.2	SW846-6010A
Manganese	N	0.0362	mg/L		0.005	SW846-6020
Mercury	BUW	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	B	0.00423	mg/L		0.001	SW846-6020
Nickel	N	0.146	mg/L		0.05	SW846-6020
Potassium		1.13	mg/L		0.4	SW846-6010A
Rhodium	U	0.005	mg/L		0.005	SW846-6020
Selenium	B	0.0173	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium	N	121	mg/L		1.5	SW846-6010A
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	BU	0.01	mg/L		0.01	SW846-6020
Uranium	UX	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.02	mg/L		0.02	SW846-6020
<b>METAL-D</b>						
Barium, Dissolved	B	0.555	mg/L		0.005	SW846-6020
<b>PHYSC</b>						
Dissolved Solids		767	mg/L		48	EPA-160.1
<b>PCCB</b>						
PCB-1016	U	0.00017	mg/L		0.0002	SW846-8082
PCB-1221	U	0.00017	mg/L		0.0002	SW846-8082

## MW390

## SG03-04

## C-746 S&amp;T QUARTERLY - JULY SG03-04

PCB-1232	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1242	U	0.00013	mg/L	0.0001	SW846-8082
PCB-1248	U	0.00015	mg/L	0.0002	SW846-8082
PCB-1254	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1260	U	0.00009	mg/L	9E-05	SW846-8082
PCB-1268	U	0.0001	mg/L	0.0001	SW846-8082
Polychlorinated biphenyl	U	0.00017	mg/L	0.0002	SW846-8082
<b>RADS</b>					
Alpha activity	U	5.32	pCi/L	2.44	12.4 EPA-900.0
Beta activity		82.6	pCi/L	8.95	12.3 EPA-900.0
Iodine-131	U	-0.488	pCi/L	0.975	20.7 RL-7124
Strontium-90	U	-0.609	pCi/L	0.0991	6.75 RL-7145
Technetium-99		113	pCi/L	16.7	19.1 RL-7100
Thorium-234	U	-69.4	pCi/L	139	323 RL-7124
Tritium	U	-24.4	pCi/L	160	268 704R6
<b>SVOA</b>					
1,2-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
<b>VOA</b>					
1,1,1,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.0002	mg/L	0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	0.005	SW846-8260
2-Butanone	U	0.01	mg/L	0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L	0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L	0.01	SW846-8260
Acetone	U	0.01	mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L	0.01	SW846-8260
Benzene	U	0.005	mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromoform	U	0.005	mg/L	0.005	SW846-8260
Bromomethane	U	0.005	mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L	0.005	SW846-8260
Chloroethane	U	0.005	mg/L	0.005	SW846-8260
Chloromethane	U	0.005	mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Dibromomethane	U	0.005	mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	0.005	SW846-8260
Ethanol	U	0.25	mg/L	0.25	SW846-8015
Ethyl methacrylate	JU	0.005	mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L	0.005	SW846-8260
Iodomethane	U	0.005	mg/L	0.005	SW846-8260
Methylene chloride	JU	0.005	mg/L	0.005	SW846-8260



**MW390****SG03-04****C-746 S&T QUARTERLY - JULY SG03-04**

Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	JU	0.005 mg/L	0.005	SW846-8260
Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	35 mg/L	35	EPA-410.4 1978
Cyanide	*UX	0.02 mg/L	0.02	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		2.3 mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.021 mg/L	0.01	SW846-9020A

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MW391

SG03-04

C-746 S&T QUARTERLY - JULY SG03-04

MW391SG4-03

Collected: 7/15/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		41.9	mg/L		2	SW846-9056
Fluoride		0.16	mg/L		0.1	9214
Nitrate as Nitrogen		1	mg/L		1	SW846-9056
Sulfate		8.8	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.91	Inches/Hg			
Conductivity		347	umho/cm			
Depth to Water		37.22	ft			
Dissolved Oxygen		3.59	mg/L			
pH		6.45	Std Unit			
Redox		115	mV			
Temperature		63.3	deg F			
Turbidity		12.3	NTU			
<b>METAL</b>						
Aluminum	N	0.321	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Barium		0.223	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6010A
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium	N	26.2	mg/L		1	SW846-6010A
Chromium	U	0.02	mg/L		0.02	SW846-6020
Cobalt	NU	0.001	mg/L		0.001	SW846-6020
Copper	U	0.02	mg/L		0.02	SW846-6020
Iron		1.47	mg/L		0.2	SW846-6010A
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		10.6	mg/L		0.2	SW846-6010A
Manganese	N	0.024	mg/L		0.005	SW846-6020
Mercury	BUW	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	NU	0.005	mg/L		0.005	SW846-6020
Potassium		1.42	mg/L		0.4	SW846-6010A
Rhodium	U	0.005	mg/L		0.005	SW846-6020
Selenium	BU	0.005	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium	N	31.6	mg/L		1.5	SW846-6010A
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	BU	0.01	mg/L		0.01	SW846-6020
Uranium	UX	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.02	mg/L		0.02	SW846-6020
<b>METAL-D</b>						
Barium, Dissolved	B	0.227	mg/L		0.005	SW846-6020
<b>PHYSC</b>						
Dissolved Solids		194	mg/L		48	EPA-160.1
<b>PCCB</b>						
PCB-1016	U	0.00017	mg/L		0.0002	SW846-8082
PCB-1221	U	0.00017	mg/L		0.0002	SW846-8082

## MW391

## SG03-04

## C-746 S&amp;T QUARTERLY - JULY SG03-04

PCB-1232	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1242	U	0.00013	mg/L	0.0001	SW846-8082
PCB-1248	U	0.00015	mg/L	0.0002	SW846-8082
PCB-1254	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1260	U	0.00009	mg/L	9E-05	SW846-8082
PCB-1268	U	0.0001	mg/L	0.0001	SW846-8082
Polychlorinated biphenyl	U	0.00017	mg/L	0.0002	SW846-8082
<b>RADS</b>					
Alpha activity	U	1	pCi/L	0.669	4.8 EPA-900.0
Beta activity	U	0.285	pCi/L	0.0687	5.83 EPA-900.0
Iodine-131	U	3.32	pCi/L	6.65	24.5 RL-7124
Strontium-90	U	-1.14	pCi/L	0.191	6.75 RL-7145
Technetium-99	U	-5.31	pCi/L	0	18.2 RL-7100
Thorium-234	U	143	pCi/L	285	337 RL-7124
Tritium	U	-52.8	pCi/L	159	268 704R6
<b>SVOA</b>					
1,2-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
<b>VOA</b>					
1,1,1,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.0002	mg/L	0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	0.005	SW846-8260
2-Butanone	U	0.01	mg/L	0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L	0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L	0.01	SW846-8260
Acetone	U	0.01	mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L	0.01	SW846-8260
Benzene	U	0.005	mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromoform	U	0.005	mg/L	0.005	SW846-8260
Bromomethane	U	0.005	mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L	0.005	SW846-8260
Chloroethane	U	0.005	mg/L	0.005	SW846-8260
Chloromethane	U	0.005	mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Dibromomethane	U	0.005	mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	0.005	SW846-8260
Ethanol	JU	0.25	mg/L	0.25	SW846-8015
Ethyl methacrylate	JU	0.005	mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L	0.005	SW846-8260
Iodomethane	U	0.005	mg/L	0.005	SW846-8260
Methylene chloride	JU	0.005	mg/L	0.005	SW846-8260

**MW391****SG03-04****C-746 S&T QUARTERLY - JULY SG03-04**

Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	JU	0.005 mg/L	0.005	SW846-8260
Trichloroethene		0.013 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	35 mg/L	35	EPA-410.4 1978
Cyanide	*UX	0.02 mg/L	0.02	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.0103 mg/L	0.01	SW846-9020A

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**MW392**

**SG03-04**

**C-746 S&T QUARTERLY - JULY SG03-04**

**MW392SG4-03**

Collected: 7/15/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		46.1	mg/L		2	SW846-9056
Fluoride		0.26	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		5.3	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.94	Inches/Hg			
Conductivity		494	umho/cm			
Depth to Water		36.4	ft			
Dissolved Oxygen		0.79	mg/L			
pH		6.75	Std Unit			
Redox		-66	mV			
Temperature		63.5	deg F			
Turbidity		5.7	NTU			
<b>METAL</b>						
Aluminum	NU	0.2	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Barium		0.289	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6010A
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium	N	26.3	mg/L		1	SW846-6010A
Chromium	U	0.02	mg/L		0.02	SW846-6020
Cobalt	NU	0.001	mg/L		0.001	SW846-6020
Copper	U	0.02	mg/L		0.02	SW846-6020
Iron		8.18	mg/L		0.2	SW846-6010A
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		9.89	mg/L		0.2	SW846-6010A
Manganese	N	1.53	mg/L		0.05	SW846-6020
Mercury	BUW	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	NU	0.005	mg/L		0.005	SW846-6020
Potassium		1.97	mg/L		0.4	SW846-6010A
Rhodium	U	0.005	mg/L		0.005	SW846-6020
Selenium	BU	0.005	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium	N	61.1	mg/L		2	SW846-6010A
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	BU	0.01	mg/L		0.01	SW846-6020
Uranium	UX	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.02	mg/L		0.02	SW846-6020
<b>METAL-D</b>						
Barium, Dissolved	B	0.253	mg/L		0.005	SW846-6020
<b>PHYSC</b>						
Dissolved Solids		270	mg/L		48	EPA-160.1
<b>PCCB</b>						
PCB-1016	U	0.00017	mg/L		0.0002	SW846-8082
PCB-1221	U	0.00017	mg/L		0.0002	SW846-8082

## MW392

## SG03-04

## C-746 S&amp;T QUARTERLY - JULY SG03-04

PCB-1232	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1242	U	0.00013	mg/L	0.0001	SW846-8082
PCB-1248	U	0.00015	mg/L	0.0002	SW846-8082
PCB-1254	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1260	U	0.00009	mg/L	9E-05	SW846-8082
PCB-1268	U	0.0001	mg/L	0.0001	SW846-8082
Polychlorinated biphenyl	U	0.00017	mg/L	0.0002	SW846-8082
<b>RADS</b>					
Alpha activity	U	-1.42	pCi/L	1.64	5.81 EPA-900.0
Beta activity	U	2.67	pCi/L	0.58	6.07 EPA-900.0
Iodine-131	U	11.5	pCi/L	23	25.3 RL-7124
Strontium-90	U	-1.31	pCi/L	0.223	6.75 RL-7145
Technetium-99	U	-12.5	pCi/L	0	18.2 RL-7100
Thorium-234	U	88.9	pCi/L	178	329 RL-7124
Tritium	U	-12.2	pCi/L	160	268 704R6
<b>SVOA</b>					
1,2-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
<b>VOA</b>					
1,1,1,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.0002	mg/L	0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	0.005	SW846-8260
2-Butanone	U	0.01	mg/L	0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L	0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L	0.01	SW846-8260
Acetone	U	0.01	mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L	0.01	SW846-8260
Benzene	U	0.005	mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromoform	U	0.005	mg/L	0.005	SW846-8260
Bromomethane	U	0.005	mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L	0.005	SW846-8260
Chloroethane	U	0.005	mg/L	0.005	SW846-8260
Chloromethane	U	0.005	mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	UX	0.005	mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Dibromomethane	U	0.005	mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	0.005	SW846-8260
Ethanol	JU	0.25	mg/L	0.25	SW846-8015
Ethyl methacrylate	JU	0.005	mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L	0.005	SW846-8260
Iodomethane	U	0.005	mg/L	0.005	SW846-8260
Methylene chloride	JU	0.005	mg/L	0.005	SW846-8260

**MW392****SG03-04****C-746 S&T QUARTERLY - JULY SG03-04**

Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	JU	0.005 mg/L	0.005	SW846-8260
Trichloroethene		0.01 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	35 mg/L	35	EPA-410.4 1978
Cyanide	*UX	0.02 mg/L	0.02	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		4.5 mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.142 mg/L	0.01	SW846-9020A

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**MW393**

**SG03-04**

**C-746 S&T QUARTERLY - JULY SG03-04**

**MW393SG4-03**

Collected: 7/15/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		24.3	mg/L		2	SW846-9056
Fluoride		0.19	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate	U	5	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.94	Inches/Hg			
Conductivity		675	umho/cm			
Depth to Water		25.3	ft			
Dissolved Oxygen		0.82	mg/L			
pH		6.7	Std Unit			
Redox		-61	mV			
Temperature		65.1	deg F			
Turbidity		9.8	NTU			
<b>METAL</b>						
Aluminum	NU	0.2	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Barium		0.112	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6010A
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium	N	20.1	mg/L		1	SW846-6010A
Chromium	U	0.02	mg/L		0.02	SW846-6020
Cobalt	NU	0.001	mg/L		0.001	SW846-6020
Copper	U	0.02	mg/L		0.02	SW846-6020
Iron		6.88	mg/L		0.2	SW846-6010A
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		6.2	mg/L		0.2	SW846-6010A
Manganese	N	0.076	mg/L		0.005	SW846-6020
Mercury	BUW	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	U	0.001	mg/L		0.001	SW846-6020
Nickel	NU	0.005	mg/L		0.005	SW846-6020
Potassium		0.514	mg/L		0.4	SW846-6010A
Rhodium	U	0.005	mg/L		0.005	SW846-6020
Selenium	BU	0.005	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium	N	139	mg/L		1.5	SW846-6010A
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	BU	0.01	mg/L		0.01	SW846-6020
Uranium	UX	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.02	mg/L		0.02	SW846-6020
<b>METAL-D</b>						
Barium, Dissolved	B	0.113	mg/L		0.005	SW846-6020
<b>PHYSC</b>						
Dissolved Solids		430	mg/L		48	EPA-160.1
<b>PCCB</b>						
PCB-1016	U	0.00017	mg/L		0.0002	SW846-8082
PCB-1221	U	0.00017	mg/L		0.0002	SW846-8082



## MW393

## SG03-04

## C-746 S&amp;T QUARTERLY - JULY SG03-04

PCB-1232	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1242	U	0.00013	mg/L	0.0001	SW846-8082
PCB-1248	U	0.00015	mg/L	0.0002	SW846-8082
PCB-1254	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1260	U	0.00009	mg/L	9E-05	SW846-8082
PCB-1268	U	0.0001	mg/L	0.0001	SW846-8082
Polychlorinated biphenyl	U	0.00017	mg/L	0.0002	SW846-8082
<b>RADS</b>					
Alpha activity	U	-1.5	pCi/L	1.5	11.2 EPA-900.0
Beta activity	U	-1.18	pCi/L	0.297	12 EPA-900.0
Iodine-131	U	4.5	pCi/L	9	24.3 RL-7124
Strontium-90	U	-0.356	pCi/L	0.0573	6.75 RL-7145
Technetium-99	U	-6.78	pCi/L	0	18.2 RL-7100
Thorium-234	U	307	pCi/L	613	325 RL-7124
Tritium	U	-152	pCi/L	157	268 704R6
<b>SVOA</b>					
1,2-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
<b>VOA</b>					
1,1,1,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.0002	mg/L	0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	0.005	SW846-8260
2-Butanone	U	0.01	mg/L	0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L	0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L	0.01	SW846-8260
Acetone	U	0.01	mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L	0.01	SW846-8260
Benzene	U	0.005	mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromoform	U	0.005	mg/L	0.005	SW846-8260
Bromomethane	U	0.005	mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L	0.005	SW846-8260
Chloroethane	U	0.005	mg/L	0.005	SW846-8260
Chloromethane	U	0.005	mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Dibromomethane	U	0.005	mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	0.005	SW846-8260
Ethanol	JU	0.25	mg/L	0.25	SW846-8015
Ethyl methacrylate	JU	0.005	mg/L	0.005	SW846-8260
Ethylbenzene	UX	0.005	mg/L	0.005	SW846-8260
Iodomethane	U	0.005	mg/L	0.005	SW846-8260
Methylene chloride	JU	0.005	mg/L	0.005	SW846-8260

**MW393****SG03-04****C-746 S&T QUARTERLY - JULY SG03-04**

Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	UX	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	JU	0.005 mg/L	0.005	SW846-8260
Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)		61 mg/L	35	EPA-410.4 1978
Cyanide	*UX	0.02 mg/L	0.02	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		16 mg/L	2	SW846-9060
Total Organic Halides (TOX)		0.454 mg/L	0.01	SW846-9020A

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**MW394**

**SG03-04**

**C-746 S&T QUARTERLY - JULY SG03-04**

**MW394SG4-03**

Collected: 7/16/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		58.1	mg/L		10	SW846-9056
Fluoride		0.15	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		8.4	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.94	Inches/Hg			
Conductivity		438	umho/cm			
Depth to Water		48.94	ft			
Dissolved Oxygen		1.83	mg/L			
pH		6.2	Std Unit			
Redox		172	mV			
Temperature		64.8	deg F			
Turbidity		14.1	NTU			
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Barium		0.251	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6010A
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		29.6	mg/L		1	SW846-6010A
Chromium	U	0.02	mg/L		0.02	SW846-6020
Cobalt	BU	0.001	mg/L		0.001	SW846-6020
Copper	UX	0.02	mg/L		0.02	SW846-6020
Iron		0.62	mg/L		0.2	SW846-6010A
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		12	mg/L		0.2	SW846-6010A
Manganese		0.272	mg/L		0.005	SW846-6020
Mercury	BUW	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	U	0.005	mg/L		0.005	SW846-6020
Potassium		1.14	mg/L		0.4	SW846-6010A
Rhodium	U	0.005	mg/L		0.005	SW846-6020
Selenium	U	0.005	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium	N	35.6	mg/L		1.5	SW846-6010A
Tantalum	JU	0.005	mg/L		0.005	SW846-6020
Thallium	BU	0.01	mg/L		0.01	SW846-6020
Uranium	UX	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	UX	0.02	mg/L		0.02	SW846-6020
<b>METAL-D</b>						
Barium, Dissolved		0.252	mg/L		0.005	SW846-6020
<b>PHYSC</b>						
Dissolved Solids		240	mg/L		48	EPA-160.1
<b>PCCB</b>						
PCB-1016	U	0.00017	mg/L		0.0002	SW846-8082
PCB-1221	U	0.00017	mg/L		0.0002	SW846-8082

## MW394

## SG03-04

## C-746 S&amp;T QUARTERLY - JULY SG03-04

PCB-1232	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1242	U	0.00013	mg/L	0.0001	SW846-8082
PCB-1248	U	0.00015	mg/L	0.0002	SW846-8082
PCB-1254	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1260	U	0.00009	mg/L	9E-05	SW846-8082
PCB-1268	U	0.0001	mg/L	0.0001	SW846-8082
Polychlorinated biphenyl	U	0.00017	mg/L	0.0002	SW846-8082
<b>RADS</b>					
Alpha activity	U	1.96	pCi/L	1.13	5.22 EPA-900.0
Beta activity	U	3.92	pCi/L	0.809	5.93 EPA-900.0
Iodine-131	U	2	pCi/L	4.01	26.2 RL-7124
Strontium-90	U	-1.3	pCi/L	0.221	6.75 RL-7145
Technetium-99	U	-1.71	pCi/L	0	18.2 RL-7100
Thorium-234	U	-34.2	pCi/L	68.4	327 RL-7124
Tritium	U	-58.9	pCi/L	159	268 704R6
<b>SVOA</b>					
1,2-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
<b>VOA</b>					
1,1,1,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.0002	mg/L	0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	0.005	SW846-8260
2-Butanone	U	0.01	mg/L	0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L	0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L	0.01	SW846-8260
Acetone	U	0.01	mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L	0.01	SW846-8260
Benzene	U	0.005	mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromoform	U	0.005	mg/L	0.005	SW846-8260
Bromomethane	U	0.005	mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L	0.005	SW846-8260
Chloroethane	U	0.005	mg/L	0.005	SW846-8260
Chloromethane	U	0.005	mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Dibromomethane	U	0.005	mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	0.005	SW846-8260
Ethanol	JU	0.25	mg/L	0.25	SW846-8015
Ethyl methacrylate	JU	0.005	mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L	0.005	SW846-8260
Iodomethane	U	0.005	mg/L	0.005	SW846-8260
Methylene chloride	JU	0.005	mg/L	0.005	SW846-8260

**MW394****SG03-04****C-746 S&T QUARTERLY - JULY SG03-04**

Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	JU	0.005 mg/L	0.005	SW846-8260
Trichloroethene		0.019 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	35 mg/L	35	EPA-410.4 1978
Cyanide	UX	0.02 mg/L	0.02	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		1.4 mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.0427 mg/L	0.01	SW846-9020A

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**MW395**

**SG03-04**

**C-746 S&T QUARTERLY - JULY SG03-04**

**MW395SG4-03**

Collected: 7/16/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		64	mg/L		10	SW846-9056
Fluoride		0.16	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		8.2	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.94	Inches/Hg			
Conductivity		450	umho/cm			
Depth to Water		48.47	ft			
Dissolved Oxygen		1.76	mg/L			
pH		6	Std Unit			
Redox		98	mV			
Temperature		64.9	deg F			
Turbidity		2.9	NTU			
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Barium		0.267	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6010A
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		32.4	mg/L		1	SW846-6010A
Chromium	U	0.02	mg/L		0.02	SW846-6020
Cobalt	BU	0.001	mg/L		0.001	SW846-6020
Copper	UX	0.02	mg/L		0.02	SW846-6020
Iron	U	0.2	mg/L		0.2	SW846-6010A
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		12.9	mg/L		0.2	SW846-6010A
Manganese		0.297	mg/L		0.005	SW846-6020
Mercury	BUW	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel		0.00627	mg/L		0.005	SW846-6020
Potassium		1.73	mg/L		0.4	SW846-6010A
Rhodium	U	0.005	mg/L		0.005	SW846-6020
Selenium	U	0.005	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium	N	30	mg/L		1.5	SW846-6010A
Tantalum	JU	0.005	mg/L		0.005	SW846-6020
Thallium	BU	0.01	mg/L		0.01	SW846-6020
Uranium	UX	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	UX	0.02	mg/L		0.02	SW846-6020
<b>METAL-D</b>						
Barium, Dissolved		0.256	mg/L		0.005	SW846-6020
<b>PHYSC</b>						
Dissolved Solids		236	mg/L		48	EPA-160.1
<b>PCCB</b>						
PCB-1016	U	0.00017	mg/L		0.0002	SW846-8082
PCB-1221	U	0.00017	mg/L		0.0002	SW846-8082

## MW395

## SG03-04

## C-746 S&amp;T QUARTERLY - JULY SG03-04

PCB-1232	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1242	U	0.00013	mg/L	0.0001	SW846-8082
PCB-1248	U	0.00015	mg/L	0.0002	SW846-8082
PCB-1254	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1260	U	0.00009	mg/L	9E-05	SW846-8082
PCB-1268	U	0.0001	mg/L	0.0001	SW846-8082
Polychlorinated biphenyl	U	0.00017	mg/L	0.0002	SW846-8082
<b>RADS</b>					
Alpha activity	U	2.97	pCi/L	1.53	5.22 EPA-900.0
Beta activity		8.51	pCi/L	1.57	5.98 EPA-900.0
Iodine-131	U	13.6	pCi/L	27.2	27.6 RL-7124
Strontium-90	U	0.65	pCi/L	0.0991	6.75 RL-7145
Technetium-99	U	0.826	pCi/L	12.4	18.2 RL-7100
Thorium-234	U	86.2	pCi/L	172	336 RL-7124
Tritium	U	-122	pCi/L	158	268 704R6
<b>SVOA</b>					
1,2-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
<b>VOA</b>					
1,1,1,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.0002	mg/L	0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	0.005	SW846-8260
2-Butanone	U	0.01	mg/L	0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L	0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L	0.01	SW846-8260
Acetone	U	0.01	mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L	0.01	SW846-8260
Benzene	U	0.005	mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromoform	U	0.005	mg/L	0.005	SW846-8260
Bromomethane	U	0.005	mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L	0.005	SW846-8260
Chloroethane	U	0.005	mg/L	0.005	SW846-8260
Chloromethane	U	0.005	mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	UX	0.005	mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Dibromomethane	U	0.005	mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	0.005	SW846-8260
Ethanol	JU	0.25	mg/L	0.25	SW846-8015
Ethyl methacrylate	JU	0.005	mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L	0.005	SW846-8260
Iodomethane	U	0.005	mg/L	0.005	SW846-8260
Methylene chloride	JU	0.005	mg/L	0.005	SW846-8260

**MW395****SG03-04****C-746 S&T QUARTERLY - JULY SG03-04**

Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	JU	0.005 mg/L	0.005	SW846-8260
Trichloroethene		0.013 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	35 mg/L	35	EPA-410.4 1978
Cyanide	UX	0.02 mg/L	0.02	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		2 mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.0426 mg/L	0.01	SW846-9020A

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**MW396**

**SG03-04**

**C-746 S&T QUARTERLY - JULY SG03-04**

**MW396SG4-03**

Collected: 7/16/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		102.5	mg/L		10	SW846-9056
Fluoride		0.43	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		18.8	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.94	Inches/Hg			
Conductivity		910	umho/cm			
Depth to Water		8.07	ft			
Dissolved Oxygen		1.1	mg/L			
pH		6.4	Std Unit			
Redox		-56	mV			
Temperature		69.4	deg F			
Turbidity		4	NTU			
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Barium		0.254	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6010A
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		43.3	mg/L		1	SW846-6010A
Chromium	U	0.02	mg/L		0.02	SW846-6020
Cobalt	B	0.00276	mg/L		0.001	SW846-6020
Copper	UX	0.02	mg/L		0.02	SW846-6020
Iron		9.16	mg/L		0.2	SW846-6010A
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		17.8	mg/L		0.2	SW846-6010A
Manganese		0.983	mg/L		0.05	SW846-6020
Mercury	NUW	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	B	0.00117	mg/L		0.001	SW846-6020
Nickel	U	0.005	mg/L		0.005	SW846-6020
Potassium		1.38	mg/L		0.4	SW846-6010A
Rhodium	U	0.005	mg/L		0.005	SW846-6020
Selenium		0.0101	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium	N	117	mg/L		1.5	SW846-6010A
Tantalum	JU	0.005	mg/L		0.005	SW846-6020
Thallium	BU	0.01	mg/L		0.01	SW846-6020
Uranium	UX	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	UX	0.02	mg/L		0.02	SW846-6020
<b>METAL-D</b>						
Barium, Dissolved		0.245	mg/L		0.005	SW846-6020
<b>PHYSC</b>						
Dissolved Solids		532	mg/L		48	EPA-160.1
<b>PCCB</b>						
PCB-1016	U	0.00017	mg/L		0.0002	SW846-8082
PCB-1221	U	0.00017	mg/L		0.0002	SW846-8082

## MW396

## SG03-04

## C-746 S&amp;T QUARTERLY - JULY SG03-04

PCB-1232	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1242	U	0.00013	mg/L	0.0001	SW846-8082
PCB-1248	U	0.00015	mg/L	0.0002	SW846-8082
PCB-1254	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1260	U	0.00009	mg/L	9E-05	SW846-8082
PCB-1268	U	0.0001	mg/L	0.0001	SW846-8082
Polychlorinated biphenyl	U	0.00017	mg/L	0.0002	SW846-8082
<b>RADS</b>					
Alpha activity	U	-3.48	pCi/L	4.92	11.8 EPA-900.0
Beta activity	U	2.08	pCi/L	0.485	12.2 EPA-900.0
Iodine-131	U	-1.83	pCi/L	3.67	26.7 RL-7124
Strontium-90	U	-0.706	pCi/L	0.133	6.41 RL-7145
Technetium-99	U	0.354	pCi/L	13.3	18.2 RL-7100
Thorium-234	U	60.5	pCi/L	121	320 RL-7124
Tritium	U	-122	pCi/L	158	268 704R6
<b>SVOA</b>					
1,2-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
<b>VOA</b>					
1,1,1,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.0002	mg/L	0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	0.005	SW846-8260
2-Butanone	U	0.01	mg/L	0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L	0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L	0.01	SW846-8260
Acetone	U	0.01	mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L	0.01	SW846-8260
Benzene	U	0.005	mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromoform	U	0.005	mg/L	0.005	SW846-8260
Bromomethane	U	0.005	mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L	0.005	SW846-8260
Chloroethane	U	0.005	mg/L	0.005	SW846-8260
Chloromethane	U	0.005	mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Dibromomethane	U	0.005	mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	0.005	SW846-8260
Ethanol	JU	0.25	mg/L	0.25	SW846-8015
Ethyl methacrylate	JU	0.005	mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L	0.005	SW846-8260
Iodomethane	U	0.005	mg/L	0.005	SW846-8260
Methylene chloride	JU	0.005	mg/L	0.005	SW846-8260

**MW396****SG03-04****C-746 S&T QUARTERLY - JULY SG03-04**

Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	JU	0.005 mg/L	0.005	SW846-8260
Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	35 mg/L	35	EPA-410.4 1978
Cyanide	UX	0.02 mg/L	0.02	SW846-9010-A
Iodide		2.7 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		7.3 mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.122 mg/L	0.01	SW846-9020A

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MW397

SG03-04

C-746 S&amp;T QUARTERLY - JULY SG03-04

MW397SG4-03

Collected: 7/16/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		42	mg/L		2	SW846-9056
Fluoride		0.15	mg/L		0.1	9214
Nitrate as Nitrogen		1.7	mg/L		1	SW846-9056
Sulfate		13.1	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.94	Inches/Hg			
Conductivity		354	umho/cm			
Depth to Water		57.55	ft			
Dissolved Oxygen		3.47	mg/L			
pH		6.2	Std Unit			
Redox		188	mV			
Temperature		65	deg F			
Turbidity		10.6	NTU			
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Barium		0.176	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6010A
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		19.4	mg/L		1	SW846-6010A
Chromium	U	0.02	mg/L		0.02	SW846-6020
Cobalt	BU	0.001	mg/L		0.001	SW846-6020
Copper	UX	0.02	mg/L		0.02	SW846-6020
Iron	U	0.2	mg/L		0.2	SW846-6010A
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		7.82	mg/L		0.2	SW846-6010A
Manganese		0.0167	mg/L		0.005	SW846-6020
Mercury	BUW	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	U	0.005	mg/L		0.005	SW846-6020
Potassium		2	mg/L		0.4	SW846-6010A
Rhodium	U	0.005	mg/L		0.005	SW846-6020
Selenium	U	0.005	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium	N	38.4	mg/L		1.5	SW846-6010A
Tantalum	JU	0.005	mg/L		0.005	SW846-6020
Thallium	BU	0.01	mg/L		0.01	SW846-6020
Uranium	UX	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	UX	0.02	mg/L		0.02	SW846-6020
<b>METAL-D</b>						
Barium, Dissolved		0.166	mg/L		0.005	SW846-6020
<b>PHYSC</b>						
Dissolved Solids		196	mg/L		48	EPA-160.1
<b>PCCB</b>						
PCB-1016	U	0.00017	mg/L		0.0002	SW846-8082
PCB-1221	U	0.00017	mg/L		0.0002	SW846-8082

**MW397****SG03-04****C-746 S&T QUARTERLY - JULY SG03-04**

PCB-1232	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1242	U	0.00013	mg/L	0.0001	SW846-8082
PCB-1248	U	0.00015	mg/L	0.0002	SW846-8082
PCB-1254	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1260	U	0.00009	mg/L	9E-05	SW846-8082
PCB-1268	U	0.0001	mg/L	0.0001	SW846-8082
Polychlorinated biphenyl	U	0.00017	mg/L	0.0002	SW846-8082
<b>RADS</b>					
Alpha activity	U	0.273	pCi/L	0.193	4.94 EPA-900.0
Beta activity		6.89	pCi/L	1.28	5.86 EPA-900.0
Iodine-131	U	-3.76	pCi/L	7.52	26.1 RL-7124
Strontium-90	U	-2.67	pCi/L	0.495	6.75 RL-7145
Technetium-99	U	9.2	pCi/L	12.8	18.2 RL-7100
Thorium-234	U	3.5	pCi/L	6.99	325 RL-7124
Tritium	U	-122	pCi/L	158	268 704R6
<b>SVOA</b>					
1,2-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
<b>VOA</b>					
1,1,1,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.0002	mg/L	0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	0.005	SW846-8260
2-Butanone	U	0.01	mg/L	0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L	0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L	0.01	SW846-8260
Acetone	U	0.01	mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L	0.01	SW846-8260
Benzene	U	0.005	mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromoform	U	0.005	mg/L	0.005	SW846-8260
Bromomethane	U	0.005	mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L	0.005	SW846-8260
Chloroethane	U	0.005	mg/L	0.005	SW846-8260
Chloromethane	U	0.005	mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Dibromomethane	U	0.005	mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	0.005	SW846-8260
Ethanol	JU	0.25	mg/L	0.25	SW846-8015
Ethyl methacrylate	JU	0.005	mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L	0.005	SW846-8260
Iodomethane	U	0.005	mg/L	0.005	SW846-8260
Methylene chloride	JU	0.005	mg/L	0.005	SW846-8260

**MW397****SG03-04****C-746 S&T QUARTERLY - JULY SG03-04**

Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	JU	0.005 mg/L	0.005	SW846-8260
Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	35 mg/L	35	EPA-410.4 1978
Cyanide	UX	0.02 mg/L	0.02	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		1.1 mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.0179 mg/L	0.01	SW846-9020A

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MW179

SG03-05

C-746 S&T QUARTERLY - Radium - OCTOBER SG03-05

MW179SG1-03

Collected: 10/14/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.74	Inches/Hg			
Conductivity		873	umho/cm			
Depth to Water		35.1	ft			
Dissolved Oxygen		1.91	mg/L			
pH		5.96	Std Unit			
Redox		145	mV			
Temperature		60.6	deg F			
<b>RADS</b>						
Radium-226	U	-0.801	pCi/L	0	0.703	RL-7113

MW179DSG1-03

Collected: 10/14/2002

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.74	Inches/Hg			
Conductivity		873	umho/cm			
Depth to Water		35.1	ft			
Dissolved Oxygen		1.91	mg/L			
pH		5.96	Std Unit			
Redox		145	mV			
Temperature		60.6	deg F			
<b>RADS</b>						
Radium-226	U	-0.737	pCi/L	0	0.703	RL-7113

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**MW220**

**SG03-05**

## C-746 S&T QUARTERLY - Radium - OCTOBER SG03-05

**MW220SG1-03**

Collected: 10/14/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.94	Inches/Hg			
Conductivity		368	umho/cm			
Depth to Water		65.72	ft			
Dissolved Oxygen		6.79	mg/L			
pH		6.04	Std Unit			
Redox		205	mV			
Temperature		61.6	deg F			
<b>RADS</b>						
Radium-226	U	-0.804	pCi/L	0	0.703	RL-7113

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**MW221**

**SG03-05**

## C-746 S&T QUARTERLY - Radium - OCTOBER SG03-05

**MW221SG1-03**

Collected: 10/14/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.94	Inches/Hg			
Conductivity		405	umho/cm			
Depth to Water		66.62	ft			
Dissolved Oxygen		5.12	mg/L			
pH		5.99	Std Unit			
Redox		180	mV			
Temperature		61.5	deg F			
<b>RADS</b>						
Radium-226	U	-0.339	pCi/L	0	0.703	RL-7113

---

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**MW222**

**SG03-05**

## C-746 S&T QUARTERLY - Radium - OCTOBER SG03-05

**MW222SG1-03**

Collected: 10/14/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.94	Inches/Hg			
Conductivity		386	umho/cm			
Depth to Water		70.71	ft			
Dissolved Oxygen		1.32	mg/L			
pH		6.52	Std Unit			
Redox		135	mV			
Temperature		60.4	deg F			
<b>RADS</b>						
Radium-226	U	-0.802	pCi/L	0	0.703	RL-7113

---

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**MW223**

**SG03-05**

## C-746 S&T QUARTERLY - Radium - OCTOBER SG03-05

**MW223SG1-03**

Collected: 10/14/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.94	Inches/Hg			
Conductivity		380	umho/cm			
Depth to Water		69.78	ft			
Dissolved Oxygen		2.71	mg/L			
pH		6.43	Std Unit			
Redox		190	mV			
Temperature		62.8	deg F			
<b>RADS</b>						
Radium-226	U	0.284	pCi/L	0.124	0.703	RL-7113

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**MW224**

**SG03-05**

## C-746 S&T QUARTERLY - Radium - OCTOBER SG03-05

**MW224SG1-03**

Collected: 10/14/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.94	Inches/Hg			
Conductivity		447	umho/cm			
Depth to Water		71.14	ft			
Dissolved Oxygen		3.85	mg/L			
pH		6.01	Std Unit			
Redox		160	mV			
Temperature		61.3	deg F			
<b>RADS</b>						
Radium-226	U	-0.795	pCi/L	0	0.703	RL-7113

---

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**MW263**

**SG03-05**

## C-746 S&T QUARTERLY - Radium - OCTOBER SG03-05

**MW263SG1-03**

Collected: 10/15/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.38	Inches/Hg			
Conductivity		523	umho/cm			
Depth to Water		35.45	ft			
Dissolved Oxygen		1.66	mg/L			
pH		6.09	Std Unit			
Redox		190	mV			
Temperature		62.5	deg F			
<b>RADS</b>						
Radium-226	U	0.461	pCi/L	0.121	0.717	RL-7113

---

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**MW264**

**SG03-05**

## C-746 S&T QUARTERLY - Radium - OCTOBER SG03-05

**MW264SG1-03**

Collected: 10/14/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.68	Inches/Hg			
Conductivity		602	umho/cm			
Depth to Water		41.15	ft			
Dissolved Oxygen		1.04	mg/L			
pH		6.13	Std Unit			
Redox		135	mV			
Temperature		60.8	deg F			
<b>RADS</b>						
Radium-226	U	-0.766	pCi/L	0	0.703	RL-7113

---

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**MW266**

**SG03-05**

## C-746 S&T QUARTERLY - Radium - OCTOBER SG03-05

**MW266SG1-03**

Collected: 10/14/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.62	Inches/Hg			
Conductivity		492	umho/cm			
Depth to Water		40.8	ft			
Dissolved Oxygen		2.04	mg/L			
pH		5.9	Std Unit			
Redox		160	mV			
Temperature		61.1	deg F			
<b>RADS</b>						
Radium-226	U	-0.8	pCi/L	0	0.703	RL-7113

---

**MW267**

**SG03-05**

**C-746 S&T QUARTERLY - Radium - OCTOBER SG03-05**

**MW267SG1-03**

Collected: 10/15/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.41	Inches/Hg			
Conductivity		353	umho/cm			
Depth to Water		55.6	ft			
Dissolved Oxygen		6.57	mg/L			
pH		5.88	Std Unit			
Redox		200	mV			
Temperature		60.7	deg F			
<b>RADS</b>						
Radium-226	U	0.187	pCi/L	0.113	0.717	RL-7113



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**MW384**

**SG03-05**

**C-746 S&T QUARTERLY - Radium - OCTOBER SG03-05**

**MW384SG1-03**

Collected: 10/15/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.62	Inches/Hg			
Conductivity		903	umho/cm			
Depth to Water		40.69	ft			
Dissolved Oxygen		1.05	mg/L			
pH		6.52	Std Unit			
Temperature		61.9	deg F			
<b>RADS</b>						
Radium-226	U	0.0388	pCi/L	0.107	0.717	RL-7113

**MW384DSG1-03**

Collected: 10/15/2002

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.62	Inches/Hg			
Conductivity		903	umho/cm			
Depth to Water		40.69	ft			
Dissolved Oxygen		1.05	mg/L			
pH		6.52	Std Unit			
Temperature		61.9	deg F			
<b>RADS</b>						
Radium-226	U	-0.734	pCi/L	0	0.717	RL-7113

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**MW385**

**SG03-05**

## C-746 S&T QUARTERLY - Radium - OCTOBER SG03-05

**MW385SG1-03**

Collected: 10/15/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.62	Inches/Hg			
Conductivity		400	umho/cm			
Depth to Water		41.05	ft			
Dissolved Oxygen		0.88	mg/L			
pH		7.03	Std Unit			
Temperature		62	deg F			
<b>RADS</b>						
Radium-226	U	0.104	pCi/L	0.109	0.717	RL-7113

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**MW386**

**SG03-05**

## C-746 S&T QUARTERLY - Radium - OCTOBER SG03-05

**MW386SG1-03**

Collected: 10/15/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.62	Inches/Hg			
Conductivity		509	umho/cm			
Depth to Water		23.59	ft			
Dissolved Oxygen		0.89	mg/L			
pH		6.14	Std Unit			
Redox		10	mV			
Temperature		62	deg F			
<b>RADS</b>						
Radium-226	U	0.293	pCi/L	0.116	0.717	RL-7113

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**MW387**

**SG03-05**

## C-746 S&T QUARTERLY - Radium - OCTOBER SG03-05

**MW387SG1-03**

Collected: 10/16/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.65	Inches/Hg			
Conductivity		409	umho/cm			
Depth to Water		39.04	ft			
Dissolved Oxygen		4.72	mg/L			
pH		6.1	Std Unit			
Redox		230	mV			
Temperature		60.1	deg F			
<b>RADS</b>						
Radium-226		0.626	pCi/L	0.0994	0.488	RL-7113

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MW388

SG03-05

C-746 S&T QUARTERLY - Radium - OCTOBER SG03-05

MW388SG1-03

Collected: 10/16/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.65	Inches/Hg			
Conductivity		355	umho/cm			
Depth to Water		39.02	ft			
Dissolved Oxygen		5.41	mg/L			
pH		6.1	Std Unit			
Redox		215	mV			
Temperature		60.5	deg F			
<b>RADS</b>						
Radium-226		0.567	pCi/L	0.097	0.488	RL-7113

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**MW390**

**SG03-05**

## C-746 S&T QUARTERLY - Radium - OCTOBER SG03-05

**MW390SG1-03**

Collected: 10/16/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.65	Inches/Hg			
Conductivity		1208	umho/cm			
Depth to Water		36.12	ft			
Dissolved Oxygen		0.24	mg/L			
pH		6.2	Std Unit			
Temperature		59.7	deg F			
<b>RADS</b>						
Radium-226		0.74	pCi/L	0.103	0.488	RL-7113

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**MW391**

**SG03-05**

## C-746 S&T QUARTERLY - Radium - OCTOBER SG03-05

**MW391SG1-03**

Collected: 10/16/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.65	Inches/Hg			
Conductivity		337	umho/cm			
Depth to Water		42.31	ft			
Dissolved Oxygen		4.3	mg/L			
pH		5.99	Std Unit			
Redox		130	mV			
Temperature		59.8	deg F			
<b>RADS</b>						
Radium-226		0.674	pCi/L	0.101	0.488	RL-7113

---

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**MW392**

**SG03-05**

## C-746 S&T QUARTERLY - Radium - OCTOBER SG03-05

**MW392SG1-03**

Collected: 10/16/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.65	Inches/Hg			
Conductivity		475	umho/cm			
Depth to Water		41.46	ft			
Dissolved Oxygen		0.58	mg/L			
pH		6.37	Std Unit			
Temperature		58.4	deg F			
<b>RADS</b>						
Radium-226		0.971	pCi/L	0.112	0.488	RL-7113



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**MW393**

**SG03-05**

## C-746 S&T QUARTERLY - Radium - OCTOBER SG03-05

**MW393SG1-03**

Collected: 10/16/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.65	Inches/Hg			
Conductivity		817	umho/cm			
Depth to Water		36.2	ft			
Dissolved Oxygen		0.29	mg/L			
pH		6.31	Std Unit			
Temperature		59.5	deg F			
<b>RADS</b>						
Radium-226		0.568	pCi/L	0.0972	0.488	RL-7113

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**MW394**

**SG03-05**

## C-746 S&T QUARTERLY - Radium - OCTOBER SG03-05

**MW394SG1-03**

Collected: 10/16/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.47	Inches/Hg			
Conductivity		411	umho/cm			
Depth to Water		53.58	ft			
Dissolved Oxygen		5.11	mg/L			
pH		5.42	Std Unit			
Redox		185	mV			
Temperature		60.3	deg F			
<b>RADS</b>						
Radium-226		0.584	pCi/L	0.0978	0.488	RL-7113

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**MW395**

**SG03-05**

## C-746 S&T QUARTERLY - Radium - OCTOBER SG03-05

**MW395SG1-03**

Collected: 10/16/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.44	Inches/Hg			
Conductivity		392	umho/cm			
Depth to Water		54.25	ft			
Dissolved Oxygen		3.85	mg/L			
pH		5.47	Std Unit			
Redox		125	mV			
Temperature		61	deg F			
<b>RADS</b>						
Radium-226		0.661	pCi/L	0.101	0.488	RL-7113

---

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**MW396**

**SG03-05**

## C-746 S&T QUARTERLY - Radium - OCTOBER SG03-05

**MW396SG1-03**

Collected: 10/16/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.44	Inches/Hg			
Conductivity		868	umho/cm			
Depth to Water		11.26	ft			
Dissolved Oxygen		0.54	mg/L			
pH		5.9	Std Unit			
Temperature		62.9	deg F			
<b>RADS</b>						
Radium-226		0.69	pCi/L	0.102	0.488	RL-7113

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**MW397**

**SG03-05**

## C-746 S&T QUARTERLY - Radium - OCTOBER SG03-05

**MW397SG1-03**

Collected: 10/17/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.71	Inches/Hg			
Conductivity		317	umho/cm			
Depth to Water		62.19	ft			
Dissolved Oxygen		5.94	mg/L			
pH		5.75	Std Unit			
Redox		185	mV			
Temperature		60.3	deg F			
<b>RADS</b>						
Radium-226		0.576	pCi/L	0.0974	0.488	RL-7113

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**MW220**

**SG03-06**

## C-746 S&T QUARTERLY - Radium - JANUARY SG03-06

**MW220SG2-03**

Collected: 1/15/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.97	Inches/Hg			
Conductivity		433.2	umho/cm			
Depth to Water		57.71	ft			
Dissolved Oxygen		7.25	mg/L			
pH		6.31	Std Unit			
Redox		1.95	mV			
Temperature		57.7	deg F			
<b>RADS</b>						
Radium-226	U	0	pCi/L	0	0.726	RL-7113

---

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**MW221**

**SG03-06**

## C-746 S&T QUARTERLY - Radium - JANUARY SG03-06

**MW221SG2-03**

Collected: 1/15/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.97	Inches/Hg			
Conductivity		403	umho/cm			
Depth to Water		67.05	ft			
Dissolved Oxygen		3.35	mg/L			
pH		6.2	Std Unit			
Redox		235	mV			
Temperature		54.2	deg F			
<b>RADS</b>						
Radium-226	U	-0.841	pCi/L	0	0.756	RL-7113

---

**MW222**

**SG03-06**

**C-746 S&T QUARTERLY - Radium - JANUARY SG03-06**

**MW222SG2-03**

Collected: 1/15/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.97	Inches/Hg			
Conductivity		360	umho/cm			
Depth to Water		71.11	ft			
Dissolved Oxygen		0.47	mg/L			
pH		6.6	Std Unit			
Redox		195	mV			
Temperature		58.1	deg F			
<b>RADS</b>						
Radium-226	U	0.201	pCi/L	0.121	0.756	RL-7113



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**MW223**

**SG03-06**

## C-746 S&T QUARTERLY - Radium - JANUARY SG03-06

**MW223SG2-03**

Collected: 1/15/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.97	Inches/Hg			
Conductivity		368	umho/cm			
Depth to Water		70.32	ft			
Dissolved Oxygen		3.31	mg/L			
pH		6.3	Std Unit			
Redox		230	mV			
Temperature		56.9	deg F			
<b>RADS</b>						
Radium-226	U	0.129	pCi/L	0.118	0.756	RL-7113

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**MW224**

**SG03-06**

## C-746 S&T QUARTERLY - Radium - JANUARY SG03-06

**MW224SG2-03**

Collected: 1/15/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.97	Inches/Hg			
Conductivity		452	umho/cm			
Depth to Water		71.54	ft			
Dissolved Oxygen		1.84	mg/L			
pH		6.2	Std Unit			
Redox		200	mV			
Temperature		57.8	deg F			
<b>RADS</b>						
Radium-226	U	-0.839	pCi/L	0	0.756	RL-7113

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**MW384**

**SG03-06**

## C-746 S&T QUARTERLY - Radium - JANUARY SG03-06

**MW384SG2-03**

Collected: 1/15/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		30.03	Inches/Hg			
Conductivity		880	umho/cm			
Depth to Water		41.25	ft			
Dissolved Oxygen		0.94	mg/L			
pH		6.54	Std Unit			
Temperature		58.9	deg F			
<b>RADS</b>						
Radium-226	U	-0.839	pCi/L	0	0.756	RL-7113

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**MW385**

**SG03-06**

## C-746 S&T QUARTERLY - Radium - JANUARY SG03-06

**MW385SG2-03**

Collected: 1/14/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.97	Inches/Hg			
Conductivity		460	umho/cm			
Depth to Water		41.7	ft			
Dissolved Oxygen		2.14	mg/L			
pH		6.5	Std Unit			
Redox		155	mV			
Temperature		59.2	deg F			
<b>RADS</b>						
Radium-226	U	0.127	pCi/L	0.118	0.756	RL-7113

---

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**MW386**

**SG03-06**

## C-746 S&T QUARTERLY - Radium - JANUARY SG03-06

**MW386SG2-03**

Collected: 1/13/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		30.03	Inches/Hg			
Conductivity		526	umho/cm			
Depth to Water		20.5	ft			
Dissolved Oxygen		1.16	mg/L			
pH		6.15	Std Unit			
Redox		0	mV			
Temperature		58	deg F			
<b>RADS</b>						
Radium-226	U	0.0358	pCi/L	0.114	0.756	RL-7113

**MW386DSG2-03**

Collected: 1/13/2003

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		30.03	Inches/Hg			
Conductivity		526	umho/cm			
Depth to Water		20.5	ft			
Dissolved Oxygen		1.16	mg/L			
pH		6.15	Std Unit			
Redox		0	mV			
Temperature		58	deg F			
<b>RADS</b>						
Radium-226	U	0.239	pCi/L	0.122	0.756	RL-7113

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**MW387**

**SG03-06**

## C-746 S&T QUARTERLY - Radium - JANUARY SG03-06

**MW387SG2-03**

Collected: 1/13/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.97	Inches/Hg			
Conductivity		489	umho/cm			
Depth to Water		39.47	ft			
Dissolved Oxygen		4.57	mg/L			
pH		5.96	Std Unit			
Redox		155	mV			
Temperature		60.5	deg F			
<b>RADS</b>						
Radium-226	U	-0.782	pCi/L	0	0.756	RL-7113

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**MW388**

**SG03-06**

## C-746 S&T QUARTERLY - Radium - JANUARY SG03-06

**MW388SG2-03**

Collected: 1/14/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.97	Inches/Hg			
Conductivity		409	umho/cm			
Depth to Water		39.5	ft			
Dissolved Oxygen		4.5	mg/L			
pH		5.93	Std Unit			
Redox		165	mV			
Temperature		58.8	deg F			
<b>RADS</b>						
Radium-226	U	-0.841	pCi/L	0	0.756	RL-7113

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**MW390**

**SG03-06**

**C-746 S&T QUARTERLY - Radium - JANUARY SG03-06**

**MW390SG2-03**

Collected: 1/14/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.97	Inches/Hg			
Conductivity		1278	umho/cm			
Depth to Water		36.55	ft			
Dissolved Oxygen		1.43	mg/L			
pH		6.03	Std Unit			
Redox		25	mV			
Temperature		58.3	deg F			
<b>RADS</b>						
Radium-226	U	-0.834	pCi/L	0	0.756	RL-7113



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**MW391**

**SG03-06**

## C-746 S&T QUARTERLY - Radium - JANUARY SG03-06

**MW391SG2-03**

Collected: 1/15/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		30.24	Inches/Hg			
Conductivity		336	umho/cm			
Depth to Water		43.02	ft			
Dissolved Oxygen		3.98	mg/L			
pH		5.9	Std Unit			
Redox		245	mV			
Temperature		54.4	deg F			
<b>RADS</b>						
Radium-226	U	0	pCi/L	0	0.726	RL-7113

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**MW392**

**SG03-06**

## C-746 S&T QUARTERLY - Radium - JANUARY SG03-06

**MW392SG2-03**

Collected: 1/15/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.97	Inches/Hg			
Conductivity		465.2	umho/cm			
Depth to Water		42.1	ft			
Dissolved Oxygen		0.14	mg/L			
pH		6.43	Std Unit			
Temperature		58	deg F			
<b>RADS</b>						
Radium-226	U	0	pCi/L	0	0.726	RL-7113

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MW393

SG03-06

C-746 S&T QUARTERLY - Radium - JANUARY SG03-06

MW393SG2-03

Collected: 1/15/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		30.24	Inches/Hg			
Conductivity		848	umho/cm			
Depth to Water		27.66	ft			
Dissolved Oxygen		1.63	mg/L			
pH		6.4	Std Unit			
Temperature		55.1	deg F			
<b>RADS</b>						
Radium-226	U	0	pCi/L	0	0.726	RL-7113

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**MW394**

**SG03-06**

## C-746 S&T QUARTERLY - Radium - JANUARY SG03-06

**MW394SG2-03**

Collected: 1/13/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		30.03	Inches/Hg			
Conductivity		422	umho/cm			
Depth to Water		54.54	ft			
Dissolved Oxygen		3.83	mg/L			
pH		6	Std Unit			
Redox		220	mV			
Temperature		56.6	deg F			
<b>RADS</b>						
Radium-226	U	-0.839	pCi/L	0	0.756	RL-7113

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**MW395**

**SG03-06**

## C-746 S&T QUARTERLY - Radium - JANUARY SG03-06

**MW395SG2-03**

Collected: 1/13/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		30.03	Inches/Hg			
Conductivity		404	umho/cm			
Depth to Water		55.11	ft			
Dissolved Oxygen		2.36	mg/L			
pH		6	Std Unit			
Redox		85	mV			
Temperature		57.8	deg F			
<b>RADS</b>						
Radium-226	U	-0.839	pCi/L	0	0.756	RL-7113

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MW396

SG03-06

C-746 S&T QUARTERLY - Radium - JANUARY SG03-06

MW396SG2-03

Collected: 1/13/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		30.03	Inches/Hg			
Conductivity		912	umho/cm			
Depth to Water		8.13	ft			
Dissolved Oxygen		0.72	mg/L			
pH		6.4	Std Unit			
Temperature		56.9	deg F			
<b>RADS</b>						
Radium-226	U	-0.0069	pCi/L	0	0.756	RL-7113

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**MW397**

**SG03-06**

## C-746 S&T QUARTERLY - Radium - JANUARY SG03-06

**MW397SG2-03**

Collected: 1/13/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		30.03	Inches/Hg			
Conductivity		320	umho/cm			
Depth to Water		63.15	ft			
Dissolved Oxygen		4.66	mg/L			
pH		6	Std Unit			
Redox		230	mV			
Temperature		54.5	deg F			
<b>RADS</b>						
Radium-226	U	-0.841	pCi/L	0	0.756	RL-7113

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MW220

SG03-07

C-746 S&T QUARTERLY - Radium - APRIL SG03-07

MW220SG3-03

Collected: 4/10/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		30	Inches/Hg			
Conductivity		489	umho/cm			
Depth to Water		54.37	ft			
Dissolved Oxygen		3.6	mg/L			
pH		6.5	Std Unit			
Redox		203	mV			
Temperature		57.2	deg F			
Turbidity		6.2	NTU			
<b>RADS</b>						
Radium	U	0.379	pCi/L	0.134	0.774	RL-7113



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**MW221**

**SG03-07**

## C-746 S&T QUARTERLY - Radium - APRIL SG03-07

**MW221SG3-03**

Collected: 4/8/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		30.06	Inches/Hg			
Conductivity		410	umho/cm			
Depth to Water		63.95	ft			
Dissolved Oxygen		4.9	mg/L			
pH		6.3	Std Unit			
Redox		141	mV			
Temperature		56.7	deg F			
Turbidity		4.6	NTU			
<b>RADS</b>						
Radium	U	0.159	pCi/L	0.114	0.731	RL-7113

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MW222

SG03-07

C-746 S&T QUARTERLY - Radium - APRIL SG03-07

MW222SG3-03

Collected: 4/9/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		30.06	Inches/Hg			
Conductivity		399	umho/cm			
Depth to Water		68.03	ft			
Dissolved Oxygen		2.21	mg/L			
pH		6.5	Std Unit			
Redox		230	mV			
Temperature		56.3	deg F			
Turbidity		31.1	NTU			
<b>RADS</b>						
Radium	U	-0.305	pCi/L	0	0.774	RL-7113

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**MW223**

**SG03-07**

## C-746 S&T QUARTERLY - Radium - APRIL SG03-07

**MW223SG3-03**

Collected: 4/9/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		30.06	Inches/Hg			
Conductivity		376	umho/cm			
Depth to Water		67.16	ft			
Dissolved Oxygen		3.83	mg/L			
pH		6.3	Std Unit			
Redox		225	mV			
Temperature		54.2	deg F			
Turbidity		5.5	NTU			
<b>RADS</b>						
Radium	U	0.146	pCi/L	0.127	0.774	RL-7113

---

**MW224**

**SG03-07**

**C-746 S&T QUARTERLY - Radium - APRIL SG03-07**

**MW224SG3-03**

Collected: 4/9/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		30.06	Inches/Hg			
Conductivity		453	umho/cm			
Depth to Water		68.51	ft			
Dissolved Oxygen		3.77	mg/L			
pH		6.2	Std Unit			
Redox		223	mV			
Temperature		58.2	deg F			
Turbidity		0	NTU			
<b>RADS</b>						
Radium	U	-0.131	pCi/L	0	0.774	RL-7113

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**MW384**

**SG03-07**

## C-746 S&T QUARTERLY - Radium - APRIL SG03-07

**MW384SG3-03**

Collected: 4/8/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		30.06	Inches/Hg			
Conductivity		945	umho/cm			
Depth to Water		38.14	ft			
Dissolved Oxygen		0.94	mg/L			
pH		6.86	Std Unit			
Redox		-20	mV			
Temperature		57.9	deg F			
Turbidity		4.9	NTU			
<b>RADS</b>						
Radium	U	0.262	pCi/L	0.117	0.731	RL-7113

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**MW385**

**SG03-07**

**C-746 S&T QUARTERLY - Radium - APRIL SG03-07**

**MW385SG3-03**

Collected: 4/8/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		30.06	Inches/Hg			
Conductivity		500	umho/cm			
Depth to Water		38.58	ft			
Dissolved Oxygen		1.2	mg/L			
pH		6.96	Std Unit			
Redox		112	mV			
Temperature		58.4	deg F			
Turbidity		7.7	NTU			
<b>RADS</b>						
Radium	U	0.195	pCi/L	0.115	0.731	RL-7113

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**MW386**

**SG03-07**

## C-746 S&T QUARTERLY - Radium - APRIL SG03-07

**MW386SG3-03**

Collected: 4/8/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		30.06	Inches/Hg			
Conductivity		491	umho/cm			
Depth to Water		21.05	ft			
Dissolved Oxygen		4.32	mg/L			
pH		6.71	Std Unit			
Redox		147	mV			
Temperature		58.6	deg F			
Turbidity		4.5	NTU			
<b>RADS</b>						
Radium	U	-0.662	pCi/L	0	0.731	RL-7113

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**MW387**

**SG03-07**

## C-746 S&T QUARTERLY - Radium - APRIL SG03-07

**MW387SG3-03**

Collected: 4/9/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		30.06	Inches/Hg			
Conductivity		548	umho/cm			
Depth to Water		36.34	ft			
Dissolved Oxygen		1.22	mg/L			
pH		6.35	Std Unit			
Redox		207	mV			
Temperature		56.8	deg F			
Turbidity		38.8	NTU			
<b>RADS</b>						
Radium	U	-0.175	pCi/L	0	0.774	RL-7113

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**MW388**

**SG03-07**

## C-746 S&T QUARTERLY - Radium - APRIL SG03-07

**MW388SG3-03**

Collected: 4/9/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		30.06	Inches/Hg			
Conductivity		391	umho/cm			
Depth to Water		36.31	ft			
Dissolved Oxygen		4.47	mg/L			
pH		6.17	Std Unit			
Redox		230	mV			
Temperature		57	deg F			
Turbidity		12.8	NTU			
<b>RADS</b>						
Radium	U	0.0309	pCi/L	0.122	0.774	RL-7113

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**MW390**

**SG03-07**

## C-746 S&T QUARTERLY - Radium - APRIL SG03-07

**MW390SG3-03**

Collected: 4/9/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		30.06	Inches/Hg			
Conductivity		1298	umho/cm			
Depth to Water		33.45	ft			
Dissolved Oxygen		2.71	mg/L			
pH		6.25	Std Unit			
Redox		143	mV			
Temperature		56.2	deg F			
Turbidity		103	NTU			
<b>RADS</b>						
Radium	U	-0.772	pCi/L	0	0.774	RL-7113

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**MW391**

**SG03-07**

## C-746 S&T QUARTERLY - Radium - APRIL SG03-07

**MW391SG3-03**

Collected: 4/8/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		30.06	Inches/Hg			
Conductivity		353	umho/cm			
Depth to Water		39.68	ft			
Dissolved Oxygen		4.07	mg/L			
pH		6.3	Std Unit			
Redox		115	mV			
Temperature		57.6	deg F			
Turbidity		33.5	NTU			
<b>RADS</b>						
Radium	U	0.227	pCi/L	0.116	0.731	RL-7113

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**MW392**

**SG03-07**

## C-746 S&T QUARTERLY - Radium - APRIL SG03-07

**MW392SG3-03**

Collected: 4/8/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		30.06	Inches/Hg			
Conductivity		525	umho/cm			
Depth to Water		38.84	ft			
Dissolved Oxygen		1.36	mg/L			
pH		6.6	Std Unit			
Redox		-41	mV			
Temperature		58.3	deg F			
Turbidity		17.8	NTU			
<b>RADS</b>						
Radium	U	0.218	pCi/L	0.116	0.731	RL-7113

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MW393

SG03-07

C-746 S&T QUARTERLY - Radium - APRIL SG03-07

MW393SG3-03

Collected: 4/8/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		30.06	Inches/Hg			
Conductivity		817	umho/cm			
Depth to Water		26.87	ft			
Dissolved Oxygen		1.22	mg/L			
pH		6.6	Std Unit			
Redox		-13	mV			
Temperature		58.6	deg F			
Turbidity		28	NTU			
<b>RADS</b>						
Radium	U	-0.251	pCi/L	0	0.731	RL-7113

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**MW394**

**SG03-07**

## C-746 S&T QUARTERLY - Radium - APRIL SG03-07

**MW394SG3-03**

Collected: 4/10/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		30	Inches/Hg			
Conductivity		420	umho/cm			
Depth to Water		51.32	ft			
Dissolved Oxygen		4.15	mg/L			
pH		6.04	Std Unit			
Redox		196	mV			
Temperature		58.8	deg F			
Turbidity		10.7	NTU			
<b>RADS</b>						
Radium	U	0.128	pCi/L	0.126	0.774	RL-7113

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**MW395**

**SG03-07**

## C-746 S&T QUARTERLY - Radium - APRIL SG03-07

**MW395SG3-03**

Collected: 4/10/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		30	Inches/Hg			
Conductivity		488	umho/cm			
Depth to Water		51.95	ft			
Dissolved Oxygen		1.14	mg/L			
pH		6.18	Std Unit			
Redox		159	mV			
Temperature		59	deg F			
Turbidity		27.7	NTU			
<b>RADS</b>						
Radium	U	-0.809	pCi/L	0	0.774	RL-7113

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**MW396**

**SG03-07**

**C-746 S&T QUARTERLY - Radium - APRIL SG03-07**

**MW396SG3-03**

Collected: 4/8/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.99	Inches/Hg			
Conductivity		942	umho/cm			
Depth to Water		4.95	ft			
Dissolved Oxygen		0.69	mg/L			
pH		6.65	Std Unit			
Redox		71	mV			
Temperature		56.8	deg F			
Turbidity		8.9	NTU			
<b>RADS</b>						
Radium	U	0.184	pCi/L	0.114	0.731	RL-7113

**MW396DSG3-03**

Collected: 4/8/2003

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.99	Inches/Hg			
Conductivity		942	umho/cm			
Depth to Water		4.95	ft			
Dissolved Oxygen		0.69	mg/L			
pH		6.65	Std Unit			
Redox		71	mV			
Temperature		56.8	deg F			
Turbidity		8.9	NTU			
<b>RADS</b>						
Radium	U	-0.0519	pCi/L	0	0.731	RL-7113



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**MW397**

**SG03-07**

**C-746 S&T QUARTERLY - Radium - APRIL SG03-07**

**MW397SG3-03**

Collected: 4/8/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		30.06	Inches/Hg			
Conductivity		390	umho/cm			
Depth to Water		60.09	ft			
Dissolved Oxygen		3.77	mg/L			
pH		6.3	Std Unit			
Redox		155	mV			
Temperature		57.3	deg F			
Turbidity		3.8	NTU			
<b>RADS</b>						
Radium	U	0.184	pCi/L	0.115	0.731	RL-7113

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**MW220**

**SG03-08**

## C-746 S&T QUARTERLY - Radium - JULY SG03-08

**MW220SG4-03**

Collected: 7/14/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.91	Inches/Hg			
Conductivity		430	umho/cm			
Depth to Water		51.95	ft			
Dissolved Oxygen		0.94	mg/L			
pH		6.3	Std Unit			
Redox		30	mV			
Temperature		64	deg F			
Turbidity		9.6	NTU			
<b>RADS</b>						
Radium	U	-0.457	pCi/L	0	0.791	RL-7113

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**MW221**

**SG03-08**

## C-746 S&T QUARTERLY - Radium - JULY SG03-08

**MW221SG4-03**

Collected: 7/14/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.94	Inches/Hg			
Conductivity		396	umho/cm			
Depth to Water		61.55	ft			
Dissolved Oxygen		1.31	mg/L			
pH		6.16	Std Unit			
Redox		86	mV			
Temperature		65.7	deg F			
Turbidity		14.1	NTU			
<b>RADS</b>						
Radium	U	-0.791	pCi/L	0	0.791	RL-7113

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**MW222**

**SG03-08**

## C-746 S&T QUARTERLY - Radium - JULY SG03-08

**MW222SG4-03**

Collected: 7/14/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.94	Inches/Hg			
Conductivity		610	umho/cm			
Depth to Water		56.6	ft			
Dissolved Oxygen		0.77	mg/L			
pH		6.45	Std Unit			
Redox		-96	mV			
Temperature		65.6	deg F			
Turbidity		45.7	NTU			
<b>RADS</b>						
Radium	U	-0.899	pCi/L	0	0.791	RL-7113

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**MW223**

**SG03-08**

## C-746 S&T QUARTERLY - Radium - JULY SG03-08

**MW223SG4-03**

Collected: 7/15/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.91	Inches/Hg			
Conductivity		725	umho/cm			
Depth to Water		64.77	ft			
Dissolved Oxygen		2.04	mg/L			
pH		6.8	Std Unit			
Redox		-28	mV			
Temperature		65.9	deg F			
Turbidity		8.2	NTU			
<b>RADS</b>						
Radium	U	-0.392	pCi/L	0	0.791	RL-7113

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**MW224**

**SG03-08**

## C-746 S&T QUARTERLY - Radium - JULY SG03-08

**MW224SG4-03**

Collected: 7/14/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.91	Inches/Hg			
Conductivity		498	umho/cm			
Depth to Water		66.05	ft			
Dissolved Oxygen		0.86	mg/L			
pH		6.25	Std Unit			
Redox		-31	mV			
Temperature		65.5	deg F			
Turbidity		6.5	NTU			
<b>RADS</b>						
Radium	U	-0.282	pCi/L	0	0.791	RL-7113

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**MW384**

**SG03-08**

## C-746 S&T QUARTERLY - Radium - JULY SG03-08

**MW384SG4-03**

Collected: 7/15/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.91	Inches/Hg			
Conductivity		876	umho/cm			
Depth to Water		35.85	ft			
Dissolved Oxygen		0.83	mg/L			
pH		6.7	Std Unit			
Redox		-82	mV			
Temperature		65.9	deg F			
Turbidity		5.4	NTU			
<b>RADS</b>						
Radium	U	-0.41	pCi/L	0	0.791	RL-7113

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**MW385**

**SG03-08**

## C-746 S&T QUARTERLY - Radium - JULY SG03-08

**MW385SG4-03**

Collected: 7/15/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.91	Inches/Hg			
Conductivity		486	umho/cm			
Depth to Water		36.28	ft			
Dissolved Oxygen		1.54	mg/L			
pH		7.1	Std Unit			
Redox		123	mV			
Temperature		66.8	deg F			
Turbidity		1.6	NTU			
<b>RADS</b>						
Radium	U	0.0659	pCi/L	0.121	0.791	RL-7113

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**MW386**

**SG03-08**

## C-746 S&T QUARTERLY - Radium - JULY SG03-08

**MW386SG4-03**

Collected: 7/15/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.91	Inches/Hg			
Conductivity		520	umho/cm			
Depth to Water		22.06	ft			
Dissolved Oxygen		2.44	mg/L			
pH		6.6	Std Unit			
Redox		102	mV			
Temperature		65.9	deg F			
Turbidity		1.3	NTU			
<b>RADS</b>						
Radium	U	-0.905	pCi/L	0	0.791	RL-7113

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**MW387**

**SG03-08**

## C-746 S&T QUARTERLY - Radium - JULY SG03-08

**MW387SG4-03**

Collected: 7/14/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.94	Inches/Hg			
Conductivity		478	umho/cm			
Depth to Water		34.04	ft			
Dissolved Oxygen		3.85	mg/L			
pH		6.3	Std Unit			
Redox		168	mV			
Temperature		67.7	deg F			
Turbidity		1.7	NTU			
<b>RADS</b>						
Radium	U	-0.838	pCi/L	0	0.791	RL-7113

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**MW388**

**SG03-08**

## C-746 S&T QUARTERLY - Radium - JULY SG03-08

**MW388SG4-03**

Collected: 7/14/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.94	Inches/Hg			
Conductivity		389	umho/cm			
Depth to Water		34.04	ft			
Dissolved Oxygen		3.74	mg/L			
pH		6.2	Std Unit			
Redox		167	mV			
Temperature		65.2	deg F			
Turbidity		1.1	NTU			
<b>RADS</b>						
Radium	U	-0.857	pCi/L	0	0.791	RL-7113

**MW388DSG4-03**

Collected: 7/14/2003

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.94	Inches/Hg			
Conductivity		389	umho/cm			
Depth to Water		34.04	ft			
Dissolved Oxygen		3.74	mg/L			
pH		6.2	Std Unit			
Redox		167	mV			
Temperature		65.2	deg F			
Turbidity		1.1	NTU			
<b>RADS</b>						
Radium	U	-0.272	pCi/L	0	0.791	RL-7113

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**MW390**

**SG03-08**

## C-746 S&T QUARTERLY - Radium - JULY SG03-08

**MW390SG4-03**

Collected: 7/14/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.94	Inches/Hg			
Conductivity		1320	umho/cm			
Depth to Water		31.1	ft			
Dissolved Oxygen		2.96	mg/L			
pH		6.3	Std Unit			
Redox		16.7	mV			
Temperature		66.8	deg F			
Turbidity		15.7	NTU			
<b>RADS</b>						
Radium	U	-0.911	pCi/L	0	0.791	RL-7113

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**MW391**

**SG03-08**

## C-746 S&T QUARTERLY - Radium - JULY SG03-08

**MW391SG4-03**

Collected: 7/15/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.91	Inches/Hg			
Conductivity		347	umho/cm			
Depth to Water		37.22	ft			
Dissolved Oxygen		3.59	mg/L			
pH		6.45	Std Unit			
Redox		115	mV			
Temperature		63.3	deg F			
Turbidity		12.3	NTU			
<b>RADS</b>						
Radium	U	-0.89	pCi/L	0	0.791	RL-7113

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**MW392**

**SG03-08**

## C-746 S&T QUARTERLY - Radium - JULY SG03-08

**MW392SG4-03**

Collected: 7/15/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.94	Inches/Hg			
Conductivity		494	umho/cm			
Depth to Water		36.4	ft			
Dissolved Oxygen		0.79	mg/L			
pH		6.75	Std Unit			
Redox		-66	mV			
Temperature		63.5	deg F			
Turbidity		5.7	NTU			
<b>RADS</b>						
Radium	U	-0.273	pCi/L	0	0.791	RL-7113

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**MW393**

**SG03-08**

## C-746 S&T QUARTERLY - Radium - JULY SG03-08

**MW393SG4-03**

Collected: 7/15/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.94	Inches/Hg			
Conductivity		675	umho/cm			
Depth to Water		25.3	ft			
Dissolved Oxygen		0.82	mg/L			
pH		6.7	Std Unit			
Redox		-61	mV			
Temperature		65.1	deg F			
Turbidity		9.8	NTU			
<b>RADS</b>						
Radium	U	-0.907	pCi/L	0	0.791	RL-7113

**MW394**

**SG03-08**

**C-746 S&T QUARTERLY - Radium - JULY SG03-08**

**MW394SG4-03**

Collected: 7/16/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.94	Inches/Hg			
Conductivity		438	umho/cm			
Depth to Water		48.94	ft			
Dissolved Oxygen		1.83	mg/L			
pH		6.2	Std Unit			
Redox		172	mV			
Temperature		64.8	deg F			
Turbidity		14.1	NTU			
<b>RADS</b>						
Radium	U	0.224	pCi/L	0.124	0.771	RL-7113



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**MW395**

**SG03-08**

## C-746 S&T QUARTERLY - Radium - JULY SG03-08

**MW395SG4-03**

Collected: 7/16/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.94	Inches/Hg			
Conductivity		450	umho/cm			
Depth to Water		48.47	ft			
Dissolved Oxygen		1.76	mg/L			
pH		6	Std Unit			
Redox		98	mV			
Temperature		64.9	deg F			
Turbidity		2.9	NTU			
<b>RADS</b>						
Radium	U	0.211	pCi/L	0.124	0.771	RL-7113

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**MW396**

**SG03-08**

## C-746 S&T QUARTERLY - Radium - JULY SG03-08

**MW396SG4-03**

Collected: 7/16/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.94	Inches/Hg			
Conductivity		910	umho/cm			
Depth to Water		8.07	ft			
Dissolved Oxygen		1.1	mg/L			
pH		6.4	Std Unit			
Redox		-56	mV			
Temperature		69.4	deg F			
Turbidity		4	NTU			
<b>RADS</b>						
Radium	U	-0.831	pCi/L	0	0.771	RL-7113

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**MW397**

**SG03-08**

## C-746 S&T QUARTERLY - Radium - JULY SG03-08

**MW397SG4-03**

Collected: 7/16/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.94	Inches/Hg			
Conductivity		354	umho/cm			
Depth to Water		57.55	ft			
Dissolved Oxygen		3.47	mg/L			
pH		6.2	Std Unit			
Redox		188	mV			
Temperature		65	deg F			
Turbidity		10.6	NTU			
<b>RADS</b>						
Radium	U	-0.0199	pCi/L	0	0.771	RL-7113

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MW220

SG04-01

C-746 S&T QUARTERLY - OCTOBER SG04-01

MW220SG1-04

Collected: 10/13/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		40.9	mg/L		2	SW846-9056
Fluoride	*	0.2	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		11.3	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.94	Inches/Hg			
Conductivity		346	umho/cm			
Depth to Water		55.87	ft			
Dissolved Oxygen		1.65	mg/L			
pH		6.34	Std Unit			
Redox		107	mV			
Temperature		60	deg F			
Turbidity		17.2	NTU			
<b>METAL</b>						
Aluminum	NU	0.2	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Barium	N	0.252	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6010A
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium	J	20.7	mg/L		1	SW846-6010A
Chromium	U	0.02	mg/L		0.02	SW846-6020
Cobalt	NX	0.0212	mg/L		0.001	SW846-6020
Copper	NU	0.02	mg/L		0.02	SW846-6020
Iron		1.2	mg/L		0.1	SW846-6010A
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		8.7	mg/L		0.025	SW846-6010A
Manganese		0.323	mg/L		0.005	SW846-6020
Mercury	BUW	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	B	0.00535	mg/L		0.001	SW846-6020
Nickel	N	0.0496	mg/L		0.005	SW846-6020
Potassium		3.43	mg/L		0.2	SW846-6010A
Rhodium	BU	0.005	mg/L		0.005	SW846-6020
Selenium	BX	0.00636	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		38	mg/L		2	SW846-6010A
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	BU	0.002	mg/L		0.002	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc		0.026	mg/L		0.02	SW846-6020
<b>METAL-D</b>						
Barium, Dissolved		0.233	mg/L		0.005	SW846-6020
<b>PHYSC</b>						
Dissolved Solids		195	mg/L		43	EPA-160.1
<b>PCCB</b>						
PCB-1016	U	0.00017	mg/L		0.0002	SW846-8082
PCB-1221	U	0.00017	mg/L		0.0002	SW846-8082

## MW220

## SG04-01

## C-746 S&amp;T QUARTERLY - OCTOBER SG04-01

PCB-1232	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1242	U	0.00009	mg/L	9E-05	SW846-8082
PCB-1248	U	0.00012	mg/L	0.0001	SW846-8082
PCB-1254	U	0.0001	mg/L	0.0001	SW846-8082
PCB-1260	U	0.00008	mg/L	8E-05	SW846-8082
PCB-1268	U	0.00011	mg/L	0.0001	SW846-8082
Polychlorinated biphenyl	U	0.00017	mg/L	0.0002	SW846-8082

## RADS

Alpha activity	U	0.699	pCi/L	0.494	5.19	EPA-900.0
Beta activity	BU	6.34	pCi/L	1.15	6.86	EPA-900.0
Iodine-131	U	-2.17	pCi/L	4.34	10.7	RL-7124
Strontium-90	U	1.27	pCi/L	0.234	5.95	RL-7145
Technetium-99	U	15.9	pCi/L	12.6	17.5	RL-7100
Thorium-234	U	-25	pCi/L	50	40.4	RL-7124
Tritium	U	-174	pCi/L	151	258	704R6

## SVOA

1,2-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260

## VOA

1,1,1,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JU	0.0002	mg/L	0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	0.005	SW846-8260
2-Butanone	U	0.01	mg/L	0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	JU	0.01	mg/L	0.01	SW846-8260
Acetone	U	0.01	mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L	0.01	SW846-8260
Benzene	U	0.005	mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromoform	U	0.005	mg/L	0.005	SW846-8260
Bromomethane	U	0.005	mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L	0.005	SW846-8260
Chloroethane	U	0.005	mg/L	0.005	SW846-8260
Chloromethane	U	0.005	mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Dibromomethane	U	0.005	mg/L	0.005	SW846-8260
Dichlorodifluoromethane	JU	0.005	mg/L	0.005	SW846-8260
Ethanol	U	0.25	mg/L	0.25	SW846-8015
Ethyl methacrylate	U	0.005	mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L	0.005	SW846-8260
Iodomethane	JU	0.005	mg/L	0.005	SW846-8260
Methylene chloride	JU	0.005	mg/L	0.005	SW846-8260
Styrene	U	0.005	mg/L	0.005	SW846-8260

**MW220****SG04-01****C-746 S&T QUARTERLY - OCTOBER SG04-01**

Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	JU	0.005 mg/L	0.005	SW846-8260
Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	35 mg/L	35	EPA-410.4 1978
Cyanide	U	0.02 mg/L	0.02	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		1.5 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.01 mg/L	0.01	SW846-9020A

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**MW220**

**SG04-01**

## C-746 S&T QUARTERLY - OCTOBER SG04-01

**MW220DSG1-04**

Collected: 10/13/2003

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		38.8	mg/L		2	SW846-9056
Fluoride	*	0.2	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		13.5	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.94	Inches/Hg			
Conductivity		346	umho/cm			
Depth to Water		55.87	ft			
Dissolved Oxygen		1.65	mg/L			
pH		6.34	Std Unit			
Redox		107	mV			
Temperature		60	deg F			
Turbidity		17.2	NTU			
<b>METAL</b>						
Aluminum	N	0.427	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Barium	N	0.271	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6010A
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium	J	21.3	mg/L		1	SW846-6010A
Chromium	U	0.02	mg/L		0.02	SW846-6020
Cobalt	NX	0.0226	mg/L		0.001	SW846-6020
Copper	NU	0.02	mg/L		0.02	SW846-6020
Iron		1.81	mg/L		0.1	SW846-6010A
Lead		0.00555	mg/L		0.005	SW846-6020
Magnesium		9.03	mg/L		0.025	SW846-6010A
Manganese		0.378	mg/L		0.005	SW846-6020
Mercury	BUW	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	B	0.00566	mg/L		0.001	SW846-6020
Nickel	N	0.0529	mg/L		0.005	SW846-6020
Potassium		2.81	mg/L		0.2	SW846-6010A
Rhodium	BU	0.005	mg/L		0.005	SW846-6020
Selenium	BX	0.00501	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		38.1	mg/L		2	SW846-6010A
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	BU	0.002	mg/L		0.002	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc		0.0256	mg/L		0.02	SW846-6020
<b>METAL-D</b>						
Barium, Dissolved		0.269	mg/L		0.005	SW846-6020
<b>PHYSC</b>						
Dissolved Solids		197	mg/L		43	EPA-160.1
<b>PCCB</b>						
PCB-1016	U	0.00017	mg/L		0.0002	SW846-8082
PCB-1221	U	0.00017	mg/L		0.0002	SW846-8082

## MW220

## SG04-01

## C-746 S&amp;T QUARTERLY - OCTOBER SG04-01

PCB-1232	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1242	U	0.00009	mg/L	9E-05	SW846-8082
PCB-1248	U	0.00012	mg/L	0.0001	SW846-8082
PCB-1254	U	0.0001	mg/L	0.0001	SW846-8082
PCB-1260	U	0.00008	mg/L	8E-05	SW846-8082
PCB-1268	U	0.00011	mg/L	0.0001	SW846-8082
Polychlorinated biphenyl	U	0.00017	mg/L	0.0002	SW846-8082

## RADS

Alpha activity		5.66	pCi/L	2.41	5.05	EPA-900.0
Beta activity	B	11.7	pCi/L	1.87	6.82	EPA-900.0
Iodine-131	U	5.5	pCi/L	11	12	RL-7124
Strontium-90	U	0.889	pCi/L	0.168	5.95	RL-7145
Technetium-99		21	pCi/L	12.7	17.5	RL-7100
Thorium-234	U	-12.4	pCi/L	24.7	42.6	RL-7124

## SVOA

1,2-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260

## VOA

1,1,1,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JU	0.0002	mg/L	0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	0.005	SW846-8260
2-Butanone	U	0.01	mg/L	0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	JU	0.01	mg/L	0.01	SW846-8260
Acetone	U	0.01	mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L	0.01	SW846-8260
Benzene	U	0.005	mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromoform	U	0.005	mg/L	0.005	SW846-8260
Bromomethane	U	0.005	mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L	0.005	SW846-8260
Chloroethane	U	0.005	mg/L	0.005	SW846-8260
Chloromethane	U	0.005	mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Dibromomethane	U	0.005	mg/L	0.005	SW846-8260
Dichlorodifluoromethane	JU	0.005	mg/L	0.005	SW846-8260
Ethanol	U	0.25	mg/L	0.25	SW846-8015
Ethyl methacrylate	U	0.005	mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L	0.005	SW846-8260
Iodomethane	JU	0.005	mg/L	0.005	SW846-8260
Methylene chloride	JU	0.005	mg/L	0.005	SW846-8260
Styrene	U	0.005	mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L	0.005	SW846-8260



**MW220**

**SG04-01**

**C-746 S&T QUARTERLY - OCTOBER SG04-01**

Toluene	U	0.005	mg/L	0.005	SW846-8260
Total Xylene	U	0.015	mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Trichloroethene	U	0.001	mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01	mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002	mg/L	0.002	SW846-8260
<b>WETCHEM</b>					
Chemical Oxygen Demand (COD)	U	35	mg/L	35	EPA-410.4 1978
Cyanide	U	0.02	mg/L	0.02	SW846-9010-A
Iodide	U	2	mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		1.8	mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.01	mg/L	0.01	SW846-9020A

**MW220DSG104RE**

Collected: 10/20/2003

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>RADS</b>						
Tritium	U	-18.9	pCi/L	154	258	704R6

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MW221

SG04-01

C-746 S&T QUARTERLY - OCTOBER SG04-01

MW221SG1-04

Collected: 10/13/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		43.8	mg/L		2	SW846-9056
Fluoride	*	0.19	mg/L		0.1	9214
Nitrate as Nitrogen		1.7	mg/L		1	SW846-9056
Sulfate		12.2	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.94	Inches/Hg			
Conductivity		395	umho/cm			
Depth to Water		65.5	ft			
Dissolved Oxygen		2.46	mg/L			
pH		6.34	Std Unit			
Redox		180	mV			
Temperature		62.4	deg F			
Turbidity		20.3	NTU			
<b>METAL</b>						
Aluminum	NU	0.2	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Barium	N	0.304	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6010A
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium	J	22.7	mg/L		1	SW846-6010A
Chromium	U	0.02	mg/L		0.02	SW846-6020
Cobalt	NX	0.0108	mg/L		0.001	SW846-6020
Copper	NU	0.02	mg/L		0.02	SW846-6020
Iron		0.219	mg/L		0.1	SW846-6010A
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		9.56	mg/L		0.025	SW846-6010A
Manganese		0.478	mg/L		0.005	SW846-6020
Mercury	BUW	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	B	0.00454	mg/L		0.001	SW846-6020
Nickel	N	0.0126	mg/L		0.005	SW846-6020
Potassium		1.51	mg/L		0.2	SW846-6010A
Rhodium	BU	0.005	mg/L		0.005	SW846-6020
Selenium	BX	0.00646	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		46.7	mg/L		2	SW846-6010A
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	BU	0.002	mg/L		0.002	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.02	mg/L		0.02	SW846-6020
<b>METAL-D</b>						
Barium, Dissolved		0.291	mg/L		0.005	SW846-6020
<b>PHYSC</b>						
Dissolved Solids		232	mg/L		43	EPA-160.1
<b>PCCB</b>						
PCB-1016	U	0.00017	mg/L		0.0002	SW846-8082
PCB-1221	U	0.00017	mg/L		0.0002	SW846-8082

## MW221

## SG04-01

## C-746 S&amp;T QUARTERLY - OCTOBER SG04-01

PCB-1232	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1242	U	0.00009	mg/L	9E-05	SW846-8082
PCB-1248	U	0.00012	mg/L	0.0001	SW846-8082
PCB-1254	U	0.0001	mg/L	0.0001	SW846-8082
PCB-1260	U	0.00008	mg/L	8E-05	SW846-8082
PCB-1268	U	0.00011	mg/L	0.0001	SW846-8082
Polychlorinated biphenyl	UX	0.00017	mg/L	0.0002	SW846-8082

## RADS

Alpha activity		5.46	pCi/L	2.51	5.32	EPA-900.0
Beta activity	BU	2.64	pCi/L	0.536	6.9	EPA-900.0
Iodine-131	U	-1.66	pCi/L	3.31	8.34	RL-7124
Strontium-90	U	1.18	pCi/L	0.219	5.95	RL-7145
Technetium-99	U	16.3	pCi/L	12.6	17.5	RL-7100
Thorium-234	U	0.384	pCi/L	0.768	33.1	RL-7124

## SVOA

1,2-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260

## VOA

1,1,1,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JU	0.0002	mg/L	0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	0.005	SW846-8260
2-Butanone	U	0.01	mg/L	0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	JU	0.01	mg/L	0.01	SW846-8260
Acetone	U	0.01	mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L	0.01	SW846-8260
Benzene	U	0.005	mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromoform	U	0.005	mg/L	0.005	SW846-8260
Bromomethane	U	0.005	mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L	0.005	SW846-8260
Chloroethane	U	0.005	mg/L	0.005	SW846-8260
Chloromethane	U	0.005	mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Dibromomethane	U	0.005	mg/L	0.005	SW846-8260
Dichlorodifluoromethane	JU	0.005	mg/L	0.005	SW846-8260
Ethanol	U	0.25	mg/L	0.25	SW846-8015
Ethyl methacrylate	U	0.005	mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L	0.005	SW846-8260
Iodomethane	JU	0.005	mg/L	0.005	SW846-8260
Methylene chloride	JU	0.005	mg/L	0.005	SW846-8260
Styrene	U	0.005	mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L	0.005	SW846-8260

**MW221**

**SG04-01**

**C-746 S&T QUARTERLY - OCTOBER SG04-01**

Toluene	U	0.005	mg/L	0.005	SW846-8260
Total Xylene	U	0.015	mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Trichloroethene	U	0.001	mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01	mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002	mg/L	0.002	SW846-8260
<b>WETCHEM</b>					
Chemical Oxygen Demand (COD)	U	35	mg/L	35	EPA-410.4 1978
Cyanide	U	0.02	mg/L	0.02	SW846-9010-A
Iodide	U	2	mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		1.3	mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.01	mg/L	0.01	SW846-9020A

**MW221SG104RE**

Collected: 10/20/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>RADS</b>						
Tritium	U	-119	pCi/L	152	258	704R6

# Paducah-OREIS Data Report

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**MW222**

**SG04-01**

## C-746 S&T QUARTERLY - OCTOBER SG04-01

**MW222SG1-04**

Collected: 10/13/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		34.1	mg/L		2	SW846-9056
Fluoride	*	0.47	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		11.1	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.94	Inches/Hg			
Conductivity		594	umho/cm			
Depth to Water		69.5	ft			
Dissolved Oxygen		1.29	mg/L			
pH		7.25	Std Unit			
Redox		-70	mV			
Temperature		63.7	deg F			
Turbidity		22.3	NTU			
<b>METAL</b>						
Aluminum	N	0.771	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Barium	BN	2.25	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6010A
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium	J	33.8	mg/L		1	SW846-6010A
Chromium	U	0.02	mg/L		0.02	SW846-6020
Cobalt	X	0.395	mg/L		0.01	SW846-6020
Copper	NU	0.02	mg/L		0.02	SW846-6020
Iron		3.81	mg/L		0.1	SW846-6010A
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		13.9	mg/L		0.025	SW846-6010A
Manganese	NW	23.2	mg/L		0.5	SW846-6020
Mercury	BUW	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	B	0.00201	mg/L		0.001	SW846-6020
Nickel		0.178	mg/L		0.05	SW846-6020
Potassium		0.812	mg/L		0.2	SW846-6010A
Rhodium	BU	0.005	mg/L		0.005	SW846-6020
Selenium	BUX	0.05	mg/L		0.05	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		68.4	mg/L		2	SW846-6010A
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	BU	0.002	mg/L		0.002	SW846-6020
Uranium		0.00126	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.2	mg/L		0.2	SW846-6020
<b>METAL-D</b>						
Barium, Dissolved	N	2.15	mg/L		0.05	SW846-6020
Uranium, Dissolved		0.00125	mg/L		0.001	SW846-6020
<b>PHYSC</b>						
Dissolved Solids		382	mg/L		43	EPA-160.1
<b>PCCB</b>						
PCB-1016		0.00117	mg/L		0.0002	SW846-8082

## MW222

## SG04-01

## C-746 S&amp;T QUARTERLY - OCTOBER SG04-01

PCB-1221	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1232	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1242	U	0.00009	mg/L	9E-05	SW846-8082
PCB-1248	U	0.00012	mg/L	0.0001	SW846-8082
PCB-1254	U	0.0001	mg/L	0.0001	SW846-8082
PCB-1260	U	0.00008	mg/L	8E-05	SW846-8082
PCB-1268	U	0.00011	mg/L	0.0001	SW846-8082
Polychlorinated biphenyl		0.00117	mg/L	0.0002	SW846-8082

## RADS

Alpha activity	U	6.23	pCi/L	2.94	6.4	EPA-900.0
Beta activity	BU	1.13	pCi/L	0.243	7.19	EPA-900.0
Iodine-131	U	6.43	pCi/L	12.9	12.3	RL-7124
Strontium-90	U	2.35	pCi/L	0.409	5.95	RL-7145
Technetium-99	U	6.76	pCi/L	12.2	17.5	RL-7100
Thorium-234	U	1.41	pCi/L	2.81	42.3	RL-7124
Tritium	U	-15.1	pCi/L	154	258	704R6

## SVOA

1,2-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260

## VOA

1,1,1,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JU	0.0002	mg/L	0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	0.005	SW846-8260
2-Butanone	U	0.01	mg/L	0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	JU	0.01	mg/L	0.01	SW846-8260
Acetone	U	0.01	mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L	0.01	SW846-8260
Benzene	U	0.005	mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromoform	U	0.005	mg/L	0.005	SW846-8260
Bromomethane	U	0.005	mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L	0.005	SW846-8260
Chloroethane	U	0.005	mg/L	0.005	SW846-8260
Chloromethane	U	0.005	mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Dibromomethane	U	0.005	mg/L	0.005	SW846-8260
Dichlorodifluoromethane	JU	0.005	mg/L	0.005	SW846-8260
Ethanol	U	0.25	mg/L	0.25	SW846-8015
Ethyl methacrylate	U	0.005	mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L	0.005	SW846-8260
Iodomethane	JU	0.005	mg/L	0.005	SW846-8260
Methylene chloride	JU	0.005	mg/L	0.005	SW846-8260

**MW222****SG04-01****C-746 S&T QUARTERLY - OCTOBER SG04-01**

Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	35 mg/L	35	EPA-410.4 1978
Cyanide	U	0.02 mg/L	0.02	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		4.2 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.01 mg/L	0.01	SW846-9020A

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# Paducah-OREIS Data Report

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**MW223**

**SG04-01**

## C-746 S&T QUARTERLY - OCTOBER SG04-01

**MW223SG1-04**

Collected: 10/16/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		37	mg/L		2	SW846-9056
Fluoride		0.48	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		12.3	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		30	Inches/Hg			
Conductivity		506	umho/cm			
Depth to Water		69	ft			
Dissolved Oxygen		1.42	mg/L			
pH		6.76	Std Unit			
Redox		32	mV			
Temperature		63.6	deg F			
Turbidity		56	NTU			
<b>METAL</b>						
Aluminum	N	1.12	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Barium	BN	1.25	mg/L		0.05	SW846-6020
Beryllium	BU	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6010A
Cadmium	BU	0.001	mg/L		0.001	SW846-6020
Calcium	J	24.7	mg/L		1	SW846-6010A
Chromium		0.0489	mg/L		0.02	SW846-6020
Cobalt	X	0.125	mg/L		0.01	SW846-6020
Copper	NU	0.02	mg/L		0.02	SW846-6020
Iron		4.4	mg/L		0.1	SW846-6010A
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		9.87	mg/L		0.025	SW846-6010A
Manganese	NW	20.3	mg/L		0.5	SW846-6020
Mercury	BUW	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	B	0.0305	mg/L		0.001	SW846-6020
Nickel		0.291	mg/L		0.05	SW846-6020
Potassium		7.87	mg/L		0.2	SW846-6010A
Rhodium	BU	0.005	mg/L		0.005	SW846-6020
Selenium	BUX	0.005	mg/L		0.005	SW846-6020
Silver	B	0.00208	mg/L		0.001	SW846-6020
Sodium	J	50.7	mg/L		2	SW846-6010A
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	BU	0.002	mg/L		0.002	SW846-6020
Uranium	BU	0.001	mg/L		0.001	SW846-6020
Vanadium	BU	0.02	mg/L		0.02	SW846-6020
Zinc		0.0334	mg/L		0.02	SW846-6020
<b>METAL-D</b>						
Barium, Dissolved	N	1.27	mg/L		0.05	SW846-6020
Chromium, Dissolved	BU	0.02	mg/L		0.02	SW846-6020
<b>PHYSC</b>						
Dissolved Solids		303	mg/L		43	EPA-160.1
<b>PCCB</b>						
PCB-1016		0.00118	mg/L		0.0002	SW846-8082



## MW223

## SG04-01

## C-746 S&amp;T QUARTERLY - OCTOBER SG04-01

PCB-1221	U	0.00017	mg/L		0.0002	SW846-8082
PCB-1232	U	0.00017	mg/L		0.0002	SW846-8082
PCB-1242	U	0.00009	mg/L		9E-05	SW846-8082
PCB-1248	U	0.00012	mg/L		0.0001	SW846-8082
PCB-1254	U	0.0001	mg/L		0.0001	SW846-8082
PCB-1260	U	0.00008	mg/L		8E-05	SW846-8082
PCB-1268	U	0.00011	mg/L		0.0001	SW846-8082
Polychlorinated biphenyl		0.00118	mg/L		0.0002	SW846-8082
<b>RADS</b>						
Alpha activity	U	4.71	pCi/L	2.28	5.84	EPA-900.0
Beta activity	B	7.45	pCi/L	1.32	7.04	EPA-900.0
Iodine-131	U	4.83	pCi/L	9.66	22.2	RL-7124
Strontium-90	U	3.94	pCi/L	0.631	5.95	RL-7145
Technetium-99	U	14.1	pCi/L	12.5	17.5	RL-7100
Thorium-234	U	7.16	pCi/L	14.3	44.6	RL-7124
Tritium	U	-161	pCi/L	151	258	704R6
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JU	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	JU	0.01	mg/L		0.01	SW846-8260
Acetone	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	JU	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	JU	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	JU	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	JU	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260

**MW223****SG04-01****C-746 S&T QUARTERLY - OCTOBER SG04-01**

Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	JU	0.005 mg/L	0.005	SW846-8260
Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	35 mg/L	35	EPA-410.4 1978
Cyanide	JU	0.02 mg/L	0.02	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	X	2.4 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.01 mg/L	0.01	SW846-9020A

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**MW224**

**SG04-01**

**C-746 S&T QUARTERLY - OCTOBER SG04-01**

**MW224SG1-04**

Collected: 10/14/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		36.3	mg/L		2	SW846-9056
Fluoride	*	0.37	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		11.2	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.53	Inches/Hg			
Conductivity		586	umho/cm			
Depth to Water		69.78	ft			
Dissolved Oxygen		0.95	mg/L			
pH		6.57	Std Unit			
Redox		65	mV			
Temperature		61.4	deg F			
Turbidity		15.6	NTU			
<b>METAL</b>						
Aluminum	NU	0.2	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Barium	BN	0.775	mg/L		0.05	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6010A
Cadmium		0.0011	mg/L		0.001	SW846-6020
Calcium		34.2	mg/L		1	SW846-6010A
Chromium	U	0.02	mg/L		0.02	SW846-6020
Cobalt	X	0.306	mg/L		0.01	SW846-6020
Copper	NU	0.02	mg/L		0.02	SW846-6020
Iron		1.24	mg/L		0.1	SW846-6010A
Lead		0.0153	mg/L		0.005	SW846-6020
Magnesium		15.3	mg/L		0.025	SW846-6010A
Manganese	NW	6.32	mg/L		0.5	SW846-6020
Mercury	BUW	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	N	0.0827	mg/L		0.005	SW846-6020
Potassium		1.05	mg/L		0.2	SW846-6010A
Rhodium	BU	0.005	mg/L		0.005	SW846-6020
Selenium	BUX	0.05	mg/L		0.05	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		74.4	mg/L		2	SW846-6010A
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	BU	0.002	mg/L		0.02	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.2	mg/L		0.2	SW846-6020
<b>METAL-D</b>						
Barium, Dissolved	N	0.769	mg/L		0.05	SW846-6020
<b>PHYSC</b>						
Dissolved Solids		351	mg/L		42	EPA-160.1
<b>PCCB</b>						
PCB-1016		0.00036	mg/L		0.0002	SW846-8082
PCB-1221	U	0.00017	mg/L		0.0002	SW846-8082

## MW224

## SG04-01

## C-746 S&amp;T QUARTERLY - OCTOBER SG04-01

PCB-1232	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1242	U	0.00009	mg/L	9E-05	SW846-8082
PCB-1248	U	0.00012	mg/L	0.0001	SW846-8082
PCB-1254	U	0.0001	mg/L	0.0001	SW846-8082
PCB-1260	U	0.00008	mg/L	8E-05	SW846-8082
PCB-1268	U	0.00011	mg/L	0.0001	SW846-8082
Polychlorinated biphenyl		0.00036	mg/L	0.0002	SW846-8082

## RADS

Alpha activity		7.43	pCi/L	3.24	6.22	EPA-900.0
Beta activity	BU	1.77	pCi/L	0.371	7.14	EPA-900.0
Iodine-131	U	-5.75	pCi/L	11.5	12.8	RL-7124
Strontium-90	U	3.07	pCi/L	0.515	5.95	RL-7145
Technetium-99	U	10.5	pCi/L	12.3	17.5	RL-7100
Thorium-234	U	0.587	pCi/L	1.17	41.2	RL-7124
Tritium	U	-39.7	pCi/L	154	258	704R6

## SVOA

1,2-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260

## VOA

1,1,1,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JU	0.0002	mg/L	0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	0.005	SW846-8260
2-Butanone	U	0.01	mg/L	0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	JU	0.01	mg/L	0.01	SW846-8260
Acetone	U	0.01	mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L	0.01	SW846-8260
Benzene	U	0.005	mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromoform	U	0.005	mg/L	0.005	SW846-8260
Bromomethane	U	0.005	mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L	0.005	SW846-8260
Chloroethane	U	0.005	mg/L	0.005	SW846-8260
Chloromethane	U	0.005	mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Dibromomethane	U	0.005	mg/L	0.005	SW846-8260
Dichlorodifluoromethane	JU	0.005	mg/L	0.005	SW846-8260
Ethanol	U	0.25	mg/L	0.25	SW846-8015
Ethyl methacrylate	U	0.005	mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L	0.005	SW846-8260
Iodomethane	JU	0.005	mg/L	0.005	SW846-8260
Methylene chloride	JU	0.005	mg/L	0.005	SW846-8260
Styrene	U	0.005	mg/L	0.005	SW846-8260

**MW224****SG04-01****C-746 S&T QUARTERLY - OCTOBER SG04-01**

Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	35 mg/L	35	EPA-410.4 1978
Cyanide	U	0.02 mg/L	0.02	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		3.6 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.01 mg/L	0.01	SW846-9020A

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# Paducah-OREIS Data Report

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**MW384**

**SG04-01**

## C-746 S&T QUARTERLY - OCTOBER SG04-01

**MW384SG1-04**

Collected: 10/16/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		75.9	mg/L		10	SW846-9056
Fluoride		0.35	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		26.4	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		30	Inches/Hg			
Conductivity		796	umho/cm			
Depth to Water		39.9	ft			
Dissolved Oxygen		0.76	mg/L			
pH		6.7	Std Unit			
Redox		-56	mV			
Temperature		62.8	deg F			
Turbidity		8.9	NTU			
<b>METAL</b>						
Aluminum	NU	0.2	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic	BX	0.0134	mg/L		0.01	SW846-6020
Barium	BN	0.314	mg/L		0.005	SW846-6020
Beryllium	BU	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6010A
Cadmium	BU	0.001	mg/L		0.001	SW846-6020
Calcium	J	38.4	mg/L		1	SW846-6010A
Chromium	U	0.02	mg/L		0.02	SW846-6020
Cobalt	NUX	0.001	mg/L		0.001	SW846-6020
Copper	NU	0.02	mg/L		0.02	SW846-6020
Iron		9.42	mg/L		0.1	SW846-6010A
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		14.2	mg/L		0.025	SW846-6010A
Manganese	NW	1.39	mg/L		0.05	SW846-6020
Mercury	BUW	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	NU	0.005	mg/L		0.005	SW846-6020
Potassium		1.49	mg/L		0.2	SW846-6010A
Rhodium	BU	0.005	mg/L		0.005	SW846-6020
Selenium	BX	0.00576	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium	J	100	mg/L		2	SW846-6010A
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	BU	0.002	mg/L		0.002	SW846-6020
Uranium	BU	0.001	mg/L		0.001	SW846-6020
Vanadium	BU	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.02	mg/L		0.02	SW846-6020
<b>METAL-D</b>						
Barium, Dissolved		0.299	mg/L		0.005	SW846-6020
<b>PHYSC</b>						
Dissolved Solids	*	402	mg/L		43	EPA-160.1
<b>PCCB</b>						
PCB-1016	U	0.00017	mg/L		0.0002	SW846-8082

## MW384

## SG04-01

## C-746 S&amp;T QUARTERLY - OCTOBER SG04-01

PCB-1221	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1232	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1242	U	0.00009	mg/L	9E-05	SW846-8082
PCB-1248	U	0.00012	mg/L	0.0001	SW846-8082
PCB-1254	U	0.0001	mg/L	0.0001	SW846-8082
PCB-1260	U	0.00008	mg/L	8E-05	SW846-8082
PCB-1268	U	0.00011	mg/L	0.0001	SW846-8082
Polychlorinated biphenyl	U	0.00017	mg/L	0.0002	SW846-8082
<b>RADS</b>					
Alpha activity	U	6.11	pCi/L	2.27	7.53 EPA-900.0
Beta activity	B	74.8	pCi/L	6.54	7.48 EPA-900.0
Iodine-131	U	-0.899	pCi/L	1.8	22.6 RL-7124
Strontium-90	U	1.34	pCi/L	0.215	6.58 RL-7145
Technetium-99		76.1	pCi/L	14.7	17.5 RL-7100
Thorium-234	U	6.09	pCi/L	12.2	45 RL-7124
Tritium	U	-96.4	pCi/L	152	258 704R6
<b>SVOA</b>					
1,2-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
<b>VOA</b>					
1,1,1,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JU	0.0002	mg/L	0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	0.005	SW846-8260
2-Butanone	U	0.01	mg/L	0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	JU	0.01	mg/L	0.01	SW846-8260
Acetone	JU	0.01	mg/L	0.01	SW846-8260
Acrylonitrile	JU	0.01	mg/L	0.01	SW846-8260
Benzene	U	0.005	mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromoform	U	0.005	mg/L	0.005	SW846-8260
Bromomethane	U	0.005	mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L	0.005	SW846-8260
Chloroethane	U	0.005	mg/L	0.005	SW846-8260
Chloromethane	U	0.005	mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Dibromomethane	U	0.005	mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	0.005	SW846-8260
Ethanol	JU	0.25	mg/L	0.25	SW846-8015
Ethyl methacrylate	JU	0.005	mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L	0.005	SW846-8260
Iodomethane	JU	0.005	mg/L	0.005	SW846-8260
Methylene chloride	U	0.005	mg/L	0.005	SW846-8260

**MW384****SG04-01****C-746 S&T QUARTERLY - OCTOBER SG04-01**

Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	JU	0.005 mg/L	0.005	SW846-8260
Trichloroethene	X	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	35 mg/L	35	EPA-410.4 1978
Cyanide	JU	0.02 mg/L	0.02	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	X	5.4 mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.142 mg/L	0.01	SW846-9020A

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Paducah-OREIS Data Report

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MW385

SG04-01

C-746 S&T QUARTERLY - OCTOBER SG04-01

MW385SG1-04

Collected: 10/20/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		30.7	mg/L		2	SW846-9056
Fluoride		0.29	mg/L		0.1	9214
Nitrate as Nitrogen		1.5	mg/L		1	SW846-9056
Sulfate		16	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		30.03	Inches/Hg			
Conductivity		447	umho/cm			
Depth to Water		40.55	ft			
Dissolved Oxygen		1.1	mg/L			
pH		6.97	Std Unit			
Redox		241	mV			
Temperature		60.7	deg F			
Turbidity		4.3	NTU			
<b>METAL</b>						
Aluminum		0.793	mg/L		0.2	SW846-6010A
Antimony	U	0.005	mg/L		0.005	SW846-6020
Barium	B	0.217	mg/L		0.005	SW846-6020
Beryllium	BU	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6010A
Cadmium	BU	0.001	mg/L		0.001	SW846-6020
Calcium	B	25.7	mg/L		1	SW846-6010A
Chromium	BU	0.02	mg/L		0.02	SW846-6020
Cobalt	U	0.001	mg/L		0.001	SW846-6020
Copper	U	0.02	mg/L		0.02	SW846-6020
Iron	B	2.79	mg/L		0.2	SW846-6010A
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium	B	10.3	mg/L		0.025	SW846-6010A
Manganese		0.0302	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	U	0.005	mg/L		0.005	SW846-6020
Potassium	B	1.66	mg/L		0.2	SW846-6010A
Rhodium	BJU	0.005	mg/L		0.005	SW846-6020
Selenium		0.00599	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		30.7	mg/L		2	SW846-6010A
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	BU	0.002	mg/L		0.002	SW846-6020
Uranium	BU	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	NU	0.02	mg/L		0.02	SW846-6020
<b>METAL-D</b>						
Barium, Dissolved		0.151	mg/L		0.005	SW846-6020
<b>PHYSC</b>						
Dissolved Solids		220	mg/L		43	EPA-160.1
<b>PCCB</b>						
PCB-1016	U	0.00017	mg/L		0.0002	SW846-8082
PCB-1221	U	0.00017	mg/L		0.0002	SW846-8082

## MW385

## SG04-01

## C-746 S&amp;T QUARTERLY - OCTOBER SG04-01

PCB-1232	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1242	U	0.00009	mg/L	9E-05	SW846-8082
PCB-1248	U	0.00012	mg/L	0.0001	SW846-8082
PCB-1254	U	0.0001	mg/L	0.0001	SW846-8082
PCB-1260	U	0.00008	mg/L	8E-05	SW846-8082
PCB-1268	U	0.00011	mg/L	0.0001	SW846-8082
Polychlorinated biphenyl	U	0.00017	mg/L	0.0002	SW846-8082
<b>RADS</b>					
Alpha activity	U	3.53	pCi/L	1.62	4.76 EPA-900.0
Beta activity		22.7	pCi/L	3.08	5.69 EPA-900.0
Iodine-131	U	-3.47	pCi/L	6.93	16.7 RL-7124
Strontium-90	U	0.137	pCi/L	0.0235	6.87 RL-7145
Technetium-99		128	pCi/L	15.4	16.7 RL-7100
Thorium-234	U	-2.18	pCi/L	4.37	40.8 RL-7124
Tritium	U	-73.7	pCi/L	153	258 704R6
<b>SVOA</b>					
1,2-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
<b>VOA</b>					
1,1,1,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JU	0.0002	mg/L	0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	0.005	SW846-8260
2-Butanone	U	0.01	mg/L	0.01	SW846-8260
2-Hexanone	U	0.01	mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L	0.01	SW846-8260
Acetone	JU	0.01	mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L	0.01	SW846-8260
Benzene	U	0.005	mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromoform	U	0.005	mg/L	0.005	SW846-8260
Bromomethane	U	0.005	mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L	0.005	SW846-8260
Chloroethane	U	0.005	mg/L	0.005	SW846-8260
Chloromethane	U	0.005	mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Dibromomethane	U	0.005	mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	0.005	SW846-8260
Ethanol	JU	0.25	mg/L	0.25	SW846-8015
Ethyl methacrylate	JU	0.005	mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L	0.005	SW846-8260
Iodomethane	U	0.005	mg/L	0.005	SW846-8260
Methylene chloride	U	0.005	mg/L	0.005	SW846-8260
Styrene	U	0.005	mg/L	0.005	SW846-8260

**MW385****SG04-01****C-746 S&T QUARTERLY - OCTOBER SG04-01**

Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	JU	0.005 mg/L	0.005	SW846-8260
Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	35 mg/L	35	EPA-410.4 1978
Cyanide	JU	0.02 mg/L	0.02	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		1.4 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.01 mg/L	0.01	SW846-9020A

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# Paducah-OREIS Data Report

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12/18/2007

**MW386**

**SG04-01**

## C-746 S&T QUARTERLY - OCTOBER SG04-01

**MW386SG1-04**

Collected: 10/15/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		29.1	mg/L		2	SW846-9056
Fluoride	*	0.3	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		18.6	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		30	Inches/Hg			
Conductivity		536	umho/cm			
Depth to Water		21.65	ft			
Dissolved Oxygen		1.33	mg/L			
pH		6.6	Std Unit			
Redox		38	mV			
Temperature		60.7	deg F			
Turbidity		9.6	NTU			
<b>METAL</b>						
Aluminum	NU	0.2	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Barium	BN	0.0562	mg/L		0.005	SW846-6020
Beryllium	BU	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6010A
Cadmium	BU	0.001	mg/L		0.001	SW846-6020
Calcium		22.6	mg/L		1	SW846-6010A
Chromium	U	0.02	mg/L		0.02	SW846-6020
Cobalt	NX	0.00323	mg/L		0.001	SW846-6020
Copper	NU	0.02	mg/L		0.02	SW846-6020
Iron		3.52	mg/L		0.1	SW846-6010A
Lead		0.00549	mg/L		0.005	SW846-6020
Magnesium		9.11	mg/L		0.025	SW846-6010A
Manganese		0.292	mg/L		0.005	SW846-6020
Mercury	BUW	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	B	0.00127	mg/L		0.001	SW846-6020
Nickel	NU	0.005	mg/L		0.005	SW846-6020
Potassium		0.759	mg/L		0.2	SW846-6010A
Rhodium	BU	0.005	mg/L		0.005	SW846-6020
Selenium	BUX	0.005	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		91.8	mg/L		2	SW846-6010A
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	BU	0.002	mg/L		0.002	SW846-6020
Uranium	BU	0.001	mg/L		0.001	SW846-6020
Vanadium	BU	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.02	mg/L		0.02	SW846-6020
<b>METAL-D</b>						
Barium, Dissolved		0.0582	mg/L		0.005	SW846-6020
<b>PHYSC</b>						
Dissolved Solids		323	mg/L		43	EPA-160.1
<b>PCCB</b>						
PCB-1016	U	0.00017	mg/L		0.0002	SW846-8082
PCB-1221	U	0.00017	mg/L		0.0002	SW846-8082

## MW386

## SG04-01

## C-746 S&amp;T QUARTERLY - OCTOBER SG04-01

PCB-1232	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1242	U	0.00009	mg/L	9E-05	SW846-8082
PCB-1248	U	0.00012	mg/L	0.0001	SW846-8082
PCB-1254	U	0.0001	mg/L	0.0001	SW846-8082
PCB-1260	U	0.00008	mg/L	8E-05	SW846-8082
PCB-1268	U	0.00011	mg/L	0.0001	SW846-8082
Polychlorinated biphenyl	U	0.00017	mg/L	0.0002	SW846-8082
<b>RADS</b>					
Alpha activity	U	1.35	pCi/L	0.956	6.23 EPA-900.0
Beta activity	BU	0.805	pCi/L	0.175	7.14 EPA-900.0
Iodine-131	U	-6.1	pCi/L	12.2	16.7 RL-7124
Strontium-90	U	1.5	pCi/L	0.273	5.95 RL-7145
Technetium-99	U	6.83	pCi/L	12.2	17.5 RL-7100
Thorium-234	U	0.0631	pCi/L	0.126	44.4 RL-7124
Tritium	U	-60.5	pCi/L	153	258 704R6
<b>SVOA</b>					
1,2-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
<b>VOA</b>					
1,1,1,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JU	0.0002	mg/L	0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	0.005	SW846-8260
2-Butanone	U	0.01	mg/L	0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	JU	0.01	mg/L	0.01	SW846-8260
Acetone	U	0.01	mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L	0.01	SW846-8260
Benzene	U	0.005	mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromoform	U	0.005	mg/L	0.005	SW846-8260
Bromomethane	U	0.005	mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L	0.005	SW846-8260
Chloroethane	U	0.005	mg/L	0.005	SW846-8260
Chloromethane	U	0.005	mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Dibromomethane	U	0.005	mg/L	0.005	SW846-8260
Dichlorodifluoromethane	JU	0.005	mg/L	0.005	SW846-8260
Ethanol	JU	0.25	mg/L	0.25	SW846-8015
Ethyl methacrylate	U	0.005	mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L	0.005	SW846-8260
Iodomethane	JU	0.005	mg/L	0.005	SW846-8260
Methylene chloride	JU	0.005	mg/L	0.005	SW846-8260
Styrene	U	0.005	mg/L	0.005	SW846-8260

**MW386****SG04-01****C-746 S&T QUARTERLY - OCTOBER SG04-01**

Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	35 mg/L	35	EPA-410.4 1978
Cyanide	UX	0.02 mg/L	0.02	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		6 mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.0767 mg/L	0.01	SW846-9020A

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Paducah-OREIS Data Report

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MW387

SG04-01

C-746 S&T QUARTERLY - OCTOBER SG04-01

MW387SG1-04

Collected: 10/16/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		47.5	mg/L		2	SW846-9056
Fluoride		1	mg/L		0.1	9214
Nitrate as Nitrogen		1.8	mg/L		1	SW846-9056
Sulfate		23.8	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		30	Inches/Hg			
Conductivity		470	umho/cm			
Depth to Water		38.12	ft			
Dissolved Oxygen		4.77	mg/L			
pH		6.34	Std Unit			
Redox		185	mV			
Temperature		63	deg F			
Turbidity		14.4	NTU			
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Antimony	U	0.005	mg/L		0.005	SW846-6020
Barium	B	0.172	mg/L		0.005	SW846-6020
Beryllium	BU	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6010A
Cadmium	BU	0.001	mg/L		0.001	SW846-6020
Calcium	B	34.6	mg/L		2	SW846-6010A
Chromium	BU	0.02	mg/L		0.02	SW846-6020
Cobalt	U	0.001	mg/L		0.001	SW846-6020
Copper	U	0.02	mg/L		0.02	SW846-6020
Iron	B	0.216	mg/L		0.2	SW846-6010A
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium	B	13.9	mg/L		0.025	SW846-6010A
Manganese		0.00656	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	U	0.005	mg/L		0.005	SW846-6020
Potassium	B	2.14	mg/L		0.2	SW846-6010A
Rhodium	BJU	0.005	mg/L		0.005	SW846-6020
Selenium		0.00523	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		48	mg/L		2	SW846-6010A
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	BU	0.002	mg/L		0.002	SW846-6020
Uranium	BU	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	NU	0.02	mg/L		0.02	SW846-6020
<b>METAL-D</b>						
Barium, Dissolved		0.171	mg/L		0.005	SW846-6020
<b>PHYSC</b>						
Dissolved Solids		258	mg/L		43	EPA-160.1
<b>PCCB</b>						
PCB-1016	U	0.00017	mg/L		0.0002	SW846-8082
PCB-1221	U	0.00017	mg/L		0.0002	SW846-8082

## MW387

## SG04-01

## C-746 S&amp;T QUARTERLY - OCTOBER SG04-01

PCB-1232	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1242	U	0.00009	mg/L	9E-05	SW846-8082
PCB-1248	U	0.00012	mg/L	0.0001	SW846-8082
PCB-1254	U	0.0001	mg/L	0.0001	SW846-8082
PCB-1260	U	0.00008	mg/L	8E-05	SW846-8082
PCB-1268	U	0.00011	mg/L	0.0001	SW846-8082
Polychlorinated biphenyl	U	0.00017	mg/L	0.0002	SW846-8082
<b>RADS</b>					
Alpha activity	U	4.59	pCi/L	1.65	5.3 EPA-900.0
Beta activity	B	75.4	pCi/L	6.34	6.89 EPA-900.0
Iodine-131	U	3.09	pCi/L	6.17	24.6 RL-7124
Strontium-90	U	3.48	pCi/L	0.569	5.95 RL-7145
Technetium-99		127	pCi/L	16.2	17.5 RL-7100
Thorium-234	U	-6.01	pCi/L	12	44.2 RL-7124
Tritium	U	-87	pCi/L	153	258 704R6
<b>SVOA</b>					
1,2-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
<b>VOA</b>					
1,1,1,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JU	0.0002	mg/L	0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	0.005	SW846-8260
2-Butanone	U	0.01	mg/L	0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	JU	0.01	mg/L	0.01	SW846-8260
Acetone	JU	0.01	mg/L	0.01	SW846-8260
Acrylonitrile	JU	0.01	mg/L	0.01	SW846-8260
Benzene	U	0.005	mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromoform	U	0.005	mg/L	0.005	SW846-8260
Bromomethane	U	0.005	mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L	0.005	SW846-8260
Chloroethane	U	0.005	mg/L	0.005	SW846-8260
Chloromethane	U	0.005	mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Dibromomethane	U	0.005	mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	0.005	SW846-8260
Ethanol	JU	0.25	mg/L	0.25	SW846-8015
Ethyl methacrylate	JU	0.005	mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L	0.005	SW846-8260
Iodomethane	JU	0.005	mg/L	0.005	SW846-8260
Methylene chloride	U	0.005	mg/L	0.005	SW846-8260
Styrene	U	0.005	mg/L	0.005	SW846-8260



**MW387****SG04-01****C-746 S&T QUARTERLY - OCTOBER SG04-01**

Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	JU	0.005 mg/L	0.005	SW846-8260
Trichloroethene		0.002 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	35 mg/L	35	EPA-410.4 1978
Cyanide	UX	0.02 mg/L	0.02	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	UX	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.0108 mg/L	0.01	SW846-9020A

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MW388

SG04-01

C-746 S&amp;T QUARTERLY - OCTOBER SG04-01

MW388SG1-04

Collected: 10/16/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		41.1	mg/L		2	SW846-9056
Fluoride		0.2	mg/L		0.1	9214
Nitrate as Nitrogen		1.8	mg/L		1	SW846-9056
Sulfate		14.9	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		30	Inches/Hg			
Conductivity		385	umho/cm			
Depth to Water		38.14	ft			
Dissolved Oxygen		5.37	mg/L			
pH		6.33	Std Unit			
Redox		173	mV			
Temperature		62.8	deg F			
Turbidity		8.4	NTU			
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Antimony	U	0.005	mg/L		0.005	SW846-6020
Barium	B	0.182	mg/L		0.005	SW846-6020
Beryllium	BU	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6010A
Cadmium	BU	0.001	mg/L		0.001	SW846-6020
Calcium	B	24.9	mg/L		2	SW846-6010A
Chromium	BU	0.02	mg/L		0.02	SW846-6020
Cobalt	U	0.001	mg/L		0.001	SW846-6020
Copper	U	0.02	mg/L		0.02	SW846-6020
Iron	BU	0.1	mg/L		0.1	SW846-6010A
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium	B	10.6	mg/L		0.025	SW846-6010A
Manganese	U	0.005	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	U	0.005	mg/L		0.005	SW846-6020
Potassium	B	1.92	mg/L		0.2	SW846-6010A
Rhodium	BJU	0.005	mg/L		0.005	SW846-6020
Selenium	U	0.005	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		39.3	mg/L		2	SW846-6010A
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	BU	0.002	mg/L		0.002	SW846-6020
Uranium	BU	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	NU	0.02	mg/L		0.02	SW846-6020
<b>METAL-D</b>						
Barium, Dissolved		0.179	mg/L		0.005	SW846-6020
<b>PHYSC</b>						
Dissolved Solids	*	177	mg/L		43	EPA-160.1
<b>PCCB</b>						
PCB-1016	U	0.00017	mg/L		0.0002	SW846-8082
PCB-1221	U	0.00017	mg/L		0.0002	SW846-8082

## MW388

## SG04-01

## C-746 S&amp;T QUARTERLY - OCTOBER SG04-01

PCB-1232	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1242	U	0.00009	mg/L	9E-05	SW846-8082
PCB-1248	U	0.00012	mg/L	0.0001	SW846-8082
PCB-1254	U	0.0001	mg/L	0.0001	SW846-8082
PCB-1260	U	0.00008	mg/L	8E-05	SW846-8082
PCB-1268	U	0.00011	mg/L	0.0001	SW846-8082
Polychlorinated biphenyl	U	0.00017	mg/L	0.0002	SW846-8082
<b>RADS</b>					
Alpha activity		5.68	pCi/L	2.18	4.83 EPA-900.0
Beta activity	B	33.2	pCi/L	3.84	6.76 EPA-900.0
Iodine-131	U	11.5	pCi/L	23.1	25.3 RL-7124
Strontium-90	U	2.03	pCi/L	0.357	5.95 RL-7145
Technetium-99		65.9	pCi/L	14.3	17.5 RL-7100
Thorium-234	U	-17.8	pCi/L	35.6	42.8 RL-7124
Tritium	U	-88.9	pCi/L	152	258 704R6
<b>SVOA</b>					
1,2-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
<b>VOA</b>					
1,1,1,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JU	0.0002	mg/L	0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	0.005	SW846-8260
2-Butanone	U	0.01	mg/L	0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	JU	0.01	mg/L	0.01	SW846-8260
Acetone	JU	0.01	mg/L	0.01	SW846-8260
Acrylonitrile	JU	0.01	mg/L	0.01	SW846-8260
Benzene	U	0.005	mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromoform	U	0.005	mg/L	0.005	SW846-8260
Bromomethane	U	0.005	mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L	0.005	SW846-8260
Chloroethane	U	0.005	mg/L	0.005	SW846-8260
Chloromethane	U	0.005	mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Dibromomethane	U	0.005	mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	0.005	SW846-8260
Ethanol	JU	0.25	mg/L	0.25	SW846-8015
Ethyl methacrylate	JU	0.005	mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L	0.005	SW846-8260
Iodomethane	JU	0.005	mg/L	0.005	SW846-8260
Methylene chloride	U	0.005	mg/L	0.005	SW846-8260
Styrene	U	0.005	mg/L	0.005	SW846-8260

**MW388****SG04-01****C-746 S&T QUARTERLY - OCTOBER SG04-01**

Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	JU	0.005 mg/L	0.005	SW846-8260
Trichloroethene	X	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	35 mg/L	35	EPA-410.4 1978
Cyanide	JU	0.02 mg/L	0.02	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	X	1.1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.01 mg/L	0.01	SW846-9020A

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MW390

SG04-01

C-746 S&T QUARTERLY - OCTOBER SG04-01

MW390SG1-04

Collected: 10/15/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide		2.5	mg/L		1	SW846-9056
Chloride		311.9	mg/L		20	SW846-9056
Fluoride	*	0.18	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		13	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		30	Inches/Hg			
Conductivity		1292	umho/cm			
Depth to Water		35.22	ft			
Dissolved Oxygen		1.4	mg/L			
pH		6.48	Std Unit			
Redox		160	mV			
Temperature		58.7	deg F			
Turbidity		18.4	NTU			
<b>METAL</b>						
Aluminum	N	0.207	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Barium	BN	0.518	mg/L		0.005	SW846-6020
Beryllium	BU	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6010A
Cadmium	BU	0.001	mg/L		0.001	SW846-6020
Calcium		77.6	mg/L		1	SW846-6010A
Chromium	U	0.02	mg/L		0.02	SW846-6020
Cobalt	NX	0.00419	mg/L		0.001	SW846-6020
Copper	NU	0.02	mg/L		0.02	SW846-6020
Iron		0.324	mg/L		0.1	SW846-6010A
Lead		0.00826	mg/L		0.005	SW846-6020
Magnesium		30.2	mg/L		0.025	SW846-6010A
Manganese		0.0412	mg/L		0.005	SW846-6020
Mercury	BUW	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	B	0.00103	mg/L		0.001	SW846-6020
Nickel	N	0.0888	mg/L		0.005	SW846-6020
Potassium		0.729	mg/L		0.2	SW846-6010A
Rhodium	BU	0.005	mg/L		0.005	SW846-6020
Selenium	BX	0.0178	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		129	mg/L		2	SW846-6010A
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	BU	0.002	mg/L		0.002	SW846-6020
Uranium	BU	0.001	mg/L		0.001	SW846-6020
Vanadium	BU	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.02	mg/L		0.02	SW846-6020
<b>METAL-D</b>						
Barium, Dissolved		0.501	mg/L		0.005	SW846-6020
<b>PHYSC</b>						
Dissolved Solids		733	mg/L		43	EPA-160.1
<b>PCCB</b>						
PCB-1016	U	0.00017	mg/L		0.0002	SW846-8082
PCB-1221	U	0.00017	mg/L		0.0002	SW846-8082

## MW390

## SG04-01

## C-746 S&amp;T QUARTERLY - OCTOBER SG04-01

PCB-1232	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1242	U	0.00009	mg/L	9E-05	SW846-8082
PCB-1248	U	0.00012	mg/L	0.0001	SW846-8082
PCB-1254	U	0.0001	mg/L	0.0001	SW846-8082
PCB-1260	U	0.00008	mg/L	8E-05	SW846-8082
PCB-1268	U	0.00011	mg/L	0.0001	SW846-8082
Polychlorinated biphenyl	U	0.00017	mg/L	0.0002	SW846-8082
<b>RADS</b>					
Alpha activity		9.56	pCi/L	3.55	9.38 EPA-900.0
Beta activity	B	63.2	pCi/L	6.07	7.95 EPA-900.0
Iodine-131	U	-8.92	pCi/L	17.9	16.4 RL-7124
Strontium-90	U	2.71	pCi/L	0.461	5.95 RL-7145
Technetium-99		121	pCi/L	16.1	17.5 RL-7100
Thorium-234	U	-15.3	pCi/L	30.6	42.7 RL-7124
Tritium	U	-53	pCi/L	153	258 704R6
<b>SVOA</b>					
1,2-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
<b>VOA</b>					
1,1,1,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JU	0.0002	mg/L	0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	0.005	SW846-8260
2-Butanone	U	0.01	mg/L	0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	JU	0.01	mg/L	0.01	SW846-8260
Acetone	U	0.01	mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L	0.01	SW846-8260
Benzene	U	0.005	mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromoform	U	0.005	mg/L	0.005	SW846-8260
Bromomethane	U	0.005	mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L	0.005	SW846-8260
Chloroethane	U	0.005	mg/L	0.005	SW846-8260
Chloromethane	U	0.005	mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Dibromomethane	U	0.005	mg/L	0.005	SW846-8260
Dichlorodifluoromethane	JU	0.005	mg/L	0.005	SW846-8260
Ethanol	JU	0.25	mg/L	0.25	SW846-8015
Ethyl methacrylate	U	0.005	mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L	0.005	SW846-8260
Iodomethane	JU	0.005	mg/L	0.005	SW846-8260
Methylene chloride	JU	0.005	mg/L	0.005	SW846-8260
Styrene	U	0.005	mg/L	0.005	SW846-8260

**MW390****SG04-01****C-746 S&T QUARTERLY - OCTOBER SG04-01**

Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	JU	0.005 mg/L	0.005	SW846-8260
Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	35 mg/L	35	EPA-410.4 1978
Cyanide	UX	0.02 mg/L	0.02	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		2.8 mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.0335 mg/L	0.01	SW846-9020A

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# Paducah-OREIS Data Report

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12/18/2007

**MW391**

**SG04-01**

## C-746 S&T QUARTERLY - OCTOBER SG04-01

**MW391SG1-04**

Collected: 10/16/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		42.9	mg/L		2	SW846-9056
Fluoride		0.17	mg/L		0.1	9214
Nitrate as Nitrogen		1.1	mg/L		1	SW846-9056
Sulfate		8.6	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		30.03	Inches/Hg			
Conductivity		346	umho/cm			
Depth to Water		41.47	ft			
Dissolved Oxygen		4.47	mg/L			
pH		6.4	Std Unit			
Redox		162	mV			
Temperature		60.4	deg F			
Turbidity		15.8	NTU			
<b>METAL</b>						
Aluminum		0.471	mg/L		0.2	SW846-6010A
Antimony	U	0.005	mg/L		0.005	SW846-6020
Barium	B	0.151	mg/L		0.005	SW846-6020
Beryllium	BU	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6010A
Cadmium	BU	0.001	mg/L		0.001	SW846-6020
Calcium	B	32.8	mg/L		2	SW846-6010A
Chromium	BU	0.02	mg/L		0.02	SW846-6020
Cobalt	U	0.001	mg/L		0.001	SW846-6020
Copper	U	0.02	mg/L		0.02	SW846-6020
Iron	B	0.23	mg/L		0.2	SW846-6010A
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium	B	9.56	mg/L		0.025	SW846-6010A
Manganese		0.0221	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	U	0.005	mg/L		0.005	SW846-6020
Potassium	B	1.9	mg/L		0.2	SW846-6010A
Rhodium	BJU	0.005	mg/L		0.005	SW846-6020
Selenium	U	0.005	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		35.9	mg/L		2	SW846-6010A
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	BU	0.002	mg/L		0.002	SW846-6020
Uranium	BU	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	NU	0.02	mg/L		0.02	SW846-6020
<b>METAL-D</b>						
Barium, Dissolved		0.211	mg/L		0.005	SW846-6020
<b>PHYSC</b>						
Dissolved Solids	*	183	mg/L		43	EPA-160.1
<b>PCCB</b>						
PCB-1016	U	0.00017	mg/L		0.0002	SW846-8082
PCB-1221	U	0.00017	mg/L		0.0002	SW846-8082



## MW391

## SG04-01

## C-746 S&amp;T QUARTERLY - OCTOBER SG04-01

PCB-1232	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1242	U	0.00009	mg/L	9E-05	SW846-8082
PCB-1248	U	0.00012	mg/L	0.0001	SW846-8082
PCB-1254	U	0.0001	mg/L	0.0001	SW846-8082
PCB-1260	U	0.00008	mg/L	8E-05	SW846-8082
PCB-1268	U	0.00011	mg/L	0.0001	SW846-8082
Polychlorinated biphenyl	U	0.00017	mg/L	0.0002	SW846-8082

## RADS

Alpha activity	U	1.71	pCi/L	1.08	4.42	EPA-900.0
Beta activity	BU	-0.448	pCi/L	0.102	6.63	EPA-900.0
Iodine-131	U	0.205	pCi/L	0.41	25.2	RL-7124
Strontium-90	U	1.32	pCi/L	0.242	5.95	RL-7145
Technetium-99	U	-8.36	pCi/L	0	16.7	RL-7100
Thorium-234	U	46.3	pCi/L	92.6	45.3	RL-7124
Tritium	U	-87	pCi/L	153	258	704R6

## SVOA

1,2-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260

## VOA

1,1,1,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JU	0.0002	mg/L	0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	0.005	SW846-8260
2-Butanone	U	0.01	mg/L	0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	JU	0.01	mg/L	0.01	SW846-8260
Acetone	JU	0.01	mg/L	0.01	SW846-8260
Acrylonitrile	JU	0.01	mg/L	0.01	SW846-8260
Benzene	U	0.005	mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromoform	U	0.005	mg/L	0.005	SW846-8260
Bromomethane	U	0.005	mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L	0.005	SW846-8260
Chloroethane	U	0.005	mg/L	0.005	SW846-8260
Chloromethane	U	0.005	mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Dibromomethane	U	0.005	mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	0.005	SW846-8260
Ethanol	JU	0.25	mg/L	0.25	SW846-8015
Ethyl methacrylate	JU	0.005	mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L	0.005	SW846-8260
Iodomethane	JU	0.005	mg/L	0.005	SW846-8260
Methylene chloride	U	0.005	mg/L	0.005	SW846-8260
Styrene	U	0.005	mg/L	0.005	SW846-8260

**MW391****SG04-01****C-746 S&T QUARTERLY - OCTOBER SG04-01**

Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	JU	0.005 mg/L	0.005	SW846-8260
Trichloroethene		0.012 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	35 mg/L	35	EPA-410.4 1978
Cyanide	UX	0.02 mg/L	0.02	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	UX	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.0105 mg/L	0.01	SW846-9020A

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Paducah-OREIS Data Report

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12/18/2007

MW392

SG04-01

C-746 S&T QUARTERLY - OCTOBER SG04-01

MW392SG1-04

Collected: 10/15/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		43.6	mg/L		2	SW846-9056
Fluoride		0.24	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		8.5	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		30	Inches/Hg			
Conductivity		429	umho/cm			
Depth to Water		40.55	ft			
Dissolved Oxygen		0.85	mg/L			
pH		6.68	Std Unit			
Redox		-33	mV			
Temperature		61.8	deg F			
Turbidity		3.8	NTU			
<b>METAL</b>						
Aluminum	NU	0.2	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Barium	BN	0.244	mg/L		0.005	SW846-6020
Beryllium	BU	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6010A
Cadmium	BU	0.001	mg/L		0.001	SW846-6020
Calcium	J	23.9	mg/L		1	SW846-6010A
Chromium	U	0.02	mg/L		0.02	SW846-6020
Cobalt	NUX	0.001	mg/L		0.001	SW846-6020
Copper	NU	0.02	mg/L		0.02	SW846-6020
Iron		5.51	mg/L		0.1	SW846-6010A
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		8.93	mg/L		0.025	SW846-6010A
Manganese	NW	0.98	mg/L		0.05	SW846-6020
Mercury	BUW	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	NU	0.005	mg/L		0.005	SW846-6020
Potassium		1.86	mg/L		0.2	SW846-6010A
Rhodium	BU	0.005	mg/L		0.005	SW846-6020
Selenium	BUX	0.005	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium	J	44.6	mg/L		2	SW846-6010A
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	BU	0.002	mg/L		0.002	SW846-6020
Uranium	BU	0.001	mg/L		0.001	SW846-6020
Vanadium	BU	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.02	mg/L		0.02	SW846-6020
<b>METAL-D</b>						
Barium, Dissolved		0.225	mg/L		0.005	SW846-6020
<b>PHYSC</b>						
Dissolved Solids	*	224	mg/L		43	EPA-160.1
<b>PCCB</b>						
PCB-1016	U	0.00017	mg/L		0.0002	SW846-8082
PCB-1221	U	0.00017	mg/L		0.0002	SW846-8082

## MW392

## SG04-01

## C-746 S&amp;T QUARTERLY - OCTOBER SG04-01

PCB-1232	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1242	U	0.00009	mg/L	9E-05	SW846-8082
PCB-1248	U	0.00012	mg/L	0.0001	SW846-8082
PCB-1254	U	0.0001	mg/L	0.0001	SW846-8082
PCB-1260	U	0.00008	mg/L	8E-05	SW846-8082
PCB-1268	U	0.00011	mg/L	0.0001	SW846-8082
Polychlorinated biphenyl	U	0.00017	mg/L	0.0002	SW846-8082

## RADS

Alpha activity		6.78	pCi/L	2.89	5.2	EPA-900.0
Beta activity	BU	-0.618	pCi/L	0.142	6.86	EPA-900.0
Iodine-131	U	-5.66	pCi/L	11.3	16.8	RL-7124
Strontium-90	U	1.49	pCi/L	0.271	5.95	RL-7145
Technetium-99	U	13.5	pCi/L	12.5	17.5	RL-7100
Thorium-234	U	-16	pCi/L	31.9	40.9	RL-7124
Tritium	U	-43.5	pCi/L	153	258	704R6

## SVOA

1,2-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260

## VOA

1,1,1,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JU	0.0002	mg/L	0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	0.005	SW846-8260
2-Butanone	U	0.01	mg/L	0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	JU	0.01	mg/L	0.01	SW846-8260
Acetone	UX	0.01	mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L	0.01	SW846-8260
Benzene	U	0.005	mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromoform	U	0.005	mg/L	0.005	SW846-8260
Bromomethane	U	0.005	mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L	0.005	SW846-8260
Chloroethane	U	0.005	mg/L	0.005	SW846-8260
Chloromethane	U	0.005	mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Dibromomethane	U	0.005	mg/L	0.005	SW846-8260
Dichlorodifluoromethane	JU	0.005	mg/L	0.005	SW846-8260
Ethanol	JU	0.25	mg/L	0.25	SW846-8015
Ethyl methacrylate	U	0.005	mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L	0.005	SW846-8260
Iodomethane	JU	0.005	mg/L	0.005	SW846-8260
Methylene chloride	JU	0.005	mg/L	0.005	SW846-8260
Styrene	U	0.005	mg/L	0.005	SW846-8260

**MW392****SG04-01****C-746 S&T QUARTERLY - OCTOBER SG04-01**

Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene		0.01 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	35 mg/L	35	EPA-410.4 1978
Cyanide	UX	0.02 mg/L	0.02	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	X	2.6 mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.0546 mg/L	0.01	SW846-9020A

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MW393

SG04-01

C-746 S&T QUARTERLY - OCTOBER SG04-01

MW393SG1-04

Collected: 10/15/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		23	mg/L		2	SW846-9056
Fluoride		0.19	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate	U	5	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		30	Inches/Hg			
Conductivity		616	umho/cm			
Depth to Water		25.84	ft			
Dissolved Oxygen		0.83	mg/L			
pH		6.67	Std Unit			
Redox		-58	mV			
Temperature		61.8	deg F			
Turbidity		7.6	NTU			
<b>METAL</b>						
Aluminum	NU	0.2	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Barium	BN	0.11	mg/L		0.005	SW846-6020
Beryllium	BU	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6010A
Cadmium	BU	0.001	mg/L		0.001	SW846-6020
Calcium	J	17.9	mg/L		1	SW846-6010A
Chromium	U	0.02	mg/L		0.02	SW846-6020
Cobalt	NUX	0.001	mg/L		0.001	SW846-6020
Copper	NU	0.02	mg/L		0.02	SW846-6020
Iron		6.68	mg/L		0.1	SW846-6010A
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		5.58	mg/L		0.025	SW846-6010A
Manganese		0.0724	mg/L		0.005	SW846-6020
Mercury	BUW	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	NU	0.005	mg/L		0.005	SW846-6020
Potassium		0.551	mg/L		0.2	SW846-6010A
Rhodium	BU	0.005	mg/L		0.005	SW846-6020
Selenium	BUX	0.005	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium	J	123	mg/L		2	SW846-6010A
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	BU	0.002	mg/L		0.002	SW846-6020
Uranium	BU	0.001	mg/L		0.001	SW846-6020
Vanadium	BU	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.02	mg/L		0.02	SW846-6020
<b>METAL-D</b>						
Barium, Dissolved		0.108	mg/L		0.005	SW846-6020
<b>PHYSC</b>						
Dissolved Solids		375	mg/L		43	EPA-160.1
<b>PCCB</b>						
PCB-1016	U	0.00017	mg/L		0.0002	SW846-8082
PCB-1221	U	0.00017	mg/L		0.0002	SW846-8082

## MW393

## SG04-01

## C-746 S&amp;T QUARTERLY - OCTOBER SG04-01

PCB-1232	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1242	U	0.00009	mg/L	9E-05	SW846-8082
PCB-1248	U	0.00012	mg/L	0.0001	SW846-8082
PCB-1254	U	0.0001	mg/L	0.0001	SW846-8082
PCB-1260	U	0.00008	mg/L	8E-05	SW846-8082
PCB-1268	U	0.00011	mg/L	0.0001	SW846-8082
Polychlorinated biphenyl	U	0.00017	mg/L	0.0002	SW846-8082
<b>RADS</b>					
Alpha activity	U	0.638	pCi/L	0.521	6.75 EPA-900.0
Beta activity	BU	-1.31	pCi/L	0.309	7.28 EPA-900.0
Iodine-131	U	-0.487	pCi/L	0.974	19.8 RL-7124
Strontium-90	U	2.68	pCi/L	0.457	5.95 RL-7145
Technetium-99	U	10.2	pCi/L	12.3	17.5 RL-7100
Thorium-234	U	37.6	pCi/L	75.3	42.4 RL-7124
Tritium	U	-138	pCi/L	151	258 704R6
<b>SVOA</b>					
1,2-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
<b>VOA</b>					
1,1,1,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JU	0.0002	mg/L	0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	0.005	SW846-8260
2-Butanone	U	0.01	mg/L	0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	JU	0.01	mg/L	0.01	SW846-8260
Acetone	X	0.01	mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L	0.01	SW846-8260
Benzene	U	0.005	mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromoform	U	0.005	mg/L	0.005	SW846-8260
Bromomethane	U	0.005	mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L	0.005	SW846-8260
Chloroethane	U	0.005	mg/L	0.005	SW846-8260
Chloromethane	U	0.005	mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Dibromomethane	U	0.005	mg/L	0.005	SW846-8260
Dichlorodifluoromethane	JU	0.005	mg/L	0.005	SW846-8260
Ethanol	JU	0.25	mg/L	0.25	SW846-8015
Ethyl methacrylate	U	0.005	mg/L	0.005	SW846-8260
Ethylbenzene	UX	0.005	mg/L	0.005	SW846-8260
Iodomethane	JU	0.005	mg/L	0.005	SW846-8260
Methylene chloride	JU	0.005	mg/L	0.005	SW846-8260
Styrene	U	0.005	mg/L	0.005	SW846-8260

**MW393****SG04-01****C-746 S&T QUARTERLY - OCTOBER SG04-01**

Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	UX	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)		47 mg/L	35	EPA-410.4 1978
Cyanide	UX	0.02 mg/L	0.02	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	X	13 mg/L	2	SW846-9060
Total Organic Halides (TOX)		0.319 mg/L	0.01	SW846-9020A

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**MW394**

**SG04-01**

**C-746 S&T QUARTERLY - OCTOBER SG04-01**

**MW394SG1-04**

Collected: 10/14/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		58.2	mg/L		10	SW846-9056
Fluoride	*	0.14	mg/L		0.1	9214
Nitrate as Nitrogen		1.1	mg/L		1	SW846-9056
Sulfate		8.2	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.53	Inches/Hg			
Conductivity		3.91	umho/cm			
Depth to Water		52.45	ft			
Dissolved Oxygen		3.33	mg/L			
pH		6.4	Std Unit			
Redox		175	mV			
Temperature		60.3	deg F			
Turbidity		15.7	NTU			
<b>METAL</b>						
Aluminum	NU	0.2	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Barium	N	0.225	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6010A
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		30.3	mg/L		1	SW846-6010A
Chromium	U	0.02	mg/L		0.02	SW846-6020
Cobalt	NUX	0.001	mg/L		0.001	SW846-6020
Copper	NU	0.02	mg/L		0.02	SW846-6020
Iron		0.37	mg/L		0.1	SW846-6010A
Lead		0.0113	mg/L		0.005	SW846-6020
Magnesium		12.2	mg/L		0.025	SW846-6010A
Manganese		0.0795	mg/L		0.005	SW846-6020
Mercury	BUW	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	NU	0.005	mg/L		0.005	SW846-6020
Potassium		1.05	mg/L		0.2	SW846-6010A
Rhodium	BU	0.005	mg/L		0.005	SW846-6020
Selenium	BX	0.00651	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		33.9	mg/L		2	SW846-6010A
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	BU	0.002	mg/L		0.002	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.02	mg/L		0.02	SW846-6020
<b>METAL-D</b>						
Barium, Dissolved		0.224	mg/L		0.005	SW846-6020
<b>PHYSC</b>						
Dissolved Solids		230	mg/L		42	EPA-160.1
<b>PCCB</b>						
PCB-1016	U	0.00017	mg/L		0.0002	SW846-8082
PCB-1221	U	0.00017	mg/L		0.0002	SW846-8082

## MW394

## SG04-01

## C-746 S&amp;T QUARTERLY - OCTOBER SG04-01

PCB-1232	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1242	U	0.00009	mg/L	9E-05	SW846-8082
PCB-1248	U	0.00012	mg/L	0.0001	SW846-8082
PCB-1254	U	0.0001	mg/L	0.0001	SW846-8082
PCB-1260	U	0.00008	mg/L	8E-05	SW846-8082
PCB-1268	U	0.00011	mg/L	0.0001	SW846-8082
Polychlorinated biphenyl	U	0.00017	mg/L	0.0002	SW846-8082
<b>RADS</b>					
Alpha activity	U	0.633	pCi/L	0.478	4.64 EPA-900.0
Beta activity	BU	1.06	pCi/L	0.227	6.7 EPA-900.0
Iodine-131	U	-10.9	pCi/L	21.8	13.2 RL-7124
Strontium-90	U	1.66	pCi/L	0.3	5.95 RL-7145
Technetium-99		18.3	pCi/L	12.6	17.5 RL-7100
Thorium-234	U	10.2	pCi/L	20.4	44.3 RL-7124
<b>SVOA</b>					
1,2-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
<b>VOA</b>					
1,1,1,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JU	0.0002	mg/L	0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	0.005	SW846-8260
2-Butanone	U	0.01	mg/L	0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	JU	0.01	mg/L	0.01	SW846-8260
Acetone		0.014	mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L	0.01	SW846-8260
Benzene	U	0.005	mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromoform	U	0.005	mg/L	0.005	SW846-8260
Bromomethane	U	0.005	mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L	0.005	SW846-8260
Chloroethane	U	0.005	mg/L	0.005	SW846-8260
Chloromethane	U	0.005	mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Dibromomethane	U	0.005	mg/L	0.005	SW846-8260
Dichlorodifluoromethane	JU	0.005	mg/L	0.005	SW846-8260
Ethanol	U	0.25	mg/L	0.25	SW846-8015
Ethyl methacrylate	U	0.005	mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L	0.005	SW846-8260
Iodomethane	JU	0.005	mg/L	0.005	SW846-8260
Methylene chloride	JU	0.005	mg/L	0.005	SW846-8260
Styrene	U	0.005	mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L	0.005	SW846-8260

**MW394**

**SG04-01**

**C-746 S&T QUARTERLY - OCTOBER SG04-01**

Toluene	U	0.005	mg/L	0.005	SW846-8260
Total Xylene	U	0.015	mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Trichloroethene		0.02	mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01	mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002	mg/L	0.002	SW846-8260
<b>WETCHEM</b>					
Chemical Oxygen Demand (COD)	U	35	mg/L	35	EPA-410.4 1978
Cyanide	UX	0.02	mg/L	0.02	SW846-9010-A
Iodide	U	2	mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		1.3	mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.022	mg/L	0.01	SW846-9020A

**MW394SG104RE**

Collected: 10/21/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>RADS</b>						
Tritium	U	-73.7	pCi/L	153	258	704R6

## MW395

## SG04-01

## C-746 S&amp;T QUARTERLY - OCTOBER SG04-01

## MW395SG1-04

Collected: 10/14/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		63.2	mg/L		10	SW846-9056
Fluoride		0.14	mg/L		0.1	9214
Nitrate as Nitrogen		1.5	mg/L		1	SW846-9056
Sulfate		8.3	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.53	Inches/Hg			
Conductivity		410	umho/cm			
Depth to Water		53.13	ft			
Dissolved Oxygen		4.05	mg/L			
pH		6.31	Std Unit			
Redox		138	mV			
Temperature		60.6	deg F			
Turbidity		22.8	NTU			
<b>METAL</b>						
Aluminum	NU	0.2	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Barium	BN	0.273	mg/L		0.005	SW846-6020
Beryllium	BU	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6010A
Cadmium	BU	0.001	mg/L		0.001	SW846-6020
Calcium		33.9	mg/L		1	SW846-6010A
Chromium	U	0.02	mg/L		0.02	SW846-6020
Cobalt	NUX	0.001	mg/L		0.001	SW846-6020
Copper	NU	0.02	mg/L		0.02	SW846-6020
Iron	BU	0.1	mg/L		0.1	SW846-6010A
Lead		0.0167	mg/L		0.005	SW846-6020
Magnesium		13.4	mg/L		0.025	SW846-6010A
Manganese	B	0.0198	mg/L		0.005	SW846-6020
Mercury	BUW	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	NU	0.005	mg/L		0.005	SW846-6020
Potassium		1.7	mg/L		0.2	SW846-6010A
Rhodium	BU	0.005	mg/L		0.005	SW846-6020
Selenium	BX	0.00682	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		29.1	mg/L		2	SW846-6010A
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	BU	0.002	mg/L		0.002	SW846-6020
Uranium	BU	0.001	mg/L		0.001	SW846-6020
Vanadium	BU	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.02	mg/L		0.02	SW846-6020
<b>METAL-D</b>						
Barium, Dissolved		0.26	mg/L		0.005	SW846-6020
<b>PHYSIC</b>						
Dissolved Solids		224	mg/L		43	EPA-160.1
<b>PCB</b>						
PCB-1016	U	0.00017	mg/L		0.0002	SW846-8082
PCB-1221	U	0.00017	mg/L		0.0002	SW846-8082

## MW395

## SG04-01

## C-746 S&amp;T QUARTERLY - OCTOBER SG04-01

PCB-1232	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1242	U	0.00009	mg/L	9E-05	SW846-8082
PCB-1248	U	0.00012	mg/L	0.0001	SW846-8082
PCB-1254	U	0.0001	mg/L	0.0001	SW846-8082
PCB-1260	U	0.00008	mg/L	8E-05	SW846-8082
PCB-1268	U	0.00011	mg/L	0.0001	SW846-8082
Polychlorinated biphenyl	U	0.00017	mg/L	0.0002	SW846-8082
<b>RADS</b>					
Alpha activity	U	3.91	pCi/L	1.9	4.67 EPA-900.0
Beta activity	BU	4.99	pCi/L	0.938	6.71 EPA-900.0
Iodine-131	U	12.9	pCi/L	25.8	18.6 RL-7124
Strontium-90	U	3.3	pCi/L	0.546	5.95 RL-7145
Technetium-99	U	14.1	pCi/L	12.5	17.5 RL-7100
Thorium-234	U	-43.9	pCi/L	87.7	40.1 RL-7124
Tritium	U	-77.6	pCi/L	153	258 704R6
<b>SVOA</b>					
1,2-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
<b>VOA</b>					
1,1,1,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JU	0.0002	mg/L	0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	0.005	SW846-8260
2-Butanone	U	0.01	mg/L	0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	JU	0.01	mg/L	0.01	SW846-8260
Acetone	X	0.01	mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L	0.01	SW846-8260
Benzene	U	0.005	mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromoform	U	0.005	mg/L	0.005	SW846-8260
Bromomethane	U	0.005	mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L	0.005	SW846-8260
Chloroethane	U	0.005	mg/L	0.005	SW846-8260
Chloromethane	U	0.005	mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Dibromomethane	U	0.005	mg/L	0.005	SW846-8260
Dichlorodifluoromethane	JU	0.005	mg/L	0.005	SW846-8260
Ethanol	JU	0.25	mg/L	0.25	SW846-8015
Ethyl methacrylate	U	0.005	mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L	0.005	SW846-8260
Iodomethane	JU	0.005	mg/L	0.005	SW846-8260
Methylene chloride	JU	0.005	mg/L	0.005	SW846-8260
Styrene	U	0.005	mg/L	0.005	SW846-8260

**MW395****SG04-01****C-746 S&T QUARTERLY - OCTOBER SG04-01**

Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene		0.012 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	35 mg/L	35	EPA-410.4 1978
Cyanide	UX	0.02 mg/L	0.02	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.0123 mg/L	0.01	SW846-9020A

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Paducah-OREIS Data Report

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12/18/2007

MW396

SG04-01

C-746 S&T QUARTERLY - OCTOBER SG04-01

MW396SG1-04

Collected: 10/14/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide		1.7	mg/L		1	SW846-9056
Chloride		106.8	mg/L		10	SW846-9056
Fluoride	*	0.44	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		12.9	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.53	Inches/Hg			
Conductivity		935	umho/cm			
Depth to Water		9.7	ft			
Dissolved Oxygen		0.71	mg/L			
pH		6.71	Std Unit			
Redox		-54	mV			
Temperature		61.8	deg F			
Turbidity		97.5	NTU			
<b>METAL</b>						
Aluminum	NU	0.2	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Barium	BN	0.28	mg/L		0.005	SW846-6020
Beryllium	BU	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6010A
Cadmium	BU	0.001	mg/L		0.001	SW846-6020
Calcium		49.7	mg/L		1	SW846-6010A
Chromium	U	0.02	mg/L		0.02	SW846-6020
Cobalt	NUX	0.001	mg/L		0.001	SW846-6020
Copper	NU	0.02	mg/L		0.02	SW846-6020
Iron		11.9	mg/L		0.1	SW846-6010A
Lead		0.0133	mg/L		0.005	SW846-6020
Magnesium		20.2	mg/L		0.025	SW846-6010A
Manganese	NW	0.984	mg/L		0.05	SW846-6020
Mercury	BUW	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	NU	0.005	mg/L		0.005	SW846-6020
Potassium		1.24	mg/L		0.2	SW846-6010A
Rhodium	BU	0.005	mg/L		0.005	SW846-6020
Selenium	BX	0.00959	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		132	mg/L		2	SW846-6010A
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	BU	0.002	mg/L		0.02	SW846-6020
Uranium	BU	0.001	mg/L		0.001	SW846-6020
Vanadium	BU	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.02	mg/L		0.02	SW846-6020
<b>METAL-D</b>						
Barium, Dissolved		0.259	mg/L		0.005	SW846-6020
<b>PHYSC</b>						
Dissolved Solids		490	mg/L		43	EPA-160.1
<b>PCCB</b>						
PCB-1016	U	0.00017	mg/L		0.0002	SW846-8082
PCB-1221	U	0.00017	mg/L		0.0002	SW846-8082

## MW396

## SG04-01

## C-746 S&amp;T QUARTERLY - OCTOBER SG04-01

PCB-1232	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1242	U	0.00009	mg/L	9E-05	SW846-8082
PCB-1248	U	0.00012	mg/L	0.0001	SW846-8082
PCB-1254	U	0.0001	mg/L	0.0001	SW846-8082
PCB-1260	U	0.00008	mg/L	8E-05	SW846-8082
PCB-1268	U	0.00011	mg/L	0.0001	SW846-8082
Polychlorinated biphenyl	U	0.00017	mg/L	0.0002	SW846-8082
<b>RADS</b>					
Alpha activity	U	2.16	pCi/L	1.53	8.29 EPA-900.0
Beta activity	BU	-2.42	pCi/L	0.596	7.67 EPA-900.0
Iodine-131	U	-3.78	pCi/L	7.56	14.9 RL-7124
Strontium-90	U	1.59	pCi/L	0.287	5.95 RL-7145
Technetium-99	U	11.9	pCi/L	12.4	17.5 RL-7100
Thorium-234	U	-8.93	pCi/L	17.9	41.7 RL-7124
Tritium	U	-85.1	pCi/L	153	258 704R6
<b>SVOA</b>					
1,2-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
<b>VOA</b>					
1,1,1,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JU	0.0002	mg/L	0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	0.005	SW846-8260
2-Butanone	U	0.01	mg/L	0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	JU	0.01	mg/L	0.01	SW846-8260
Acetone		0.011	mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L	0.01	SW846-8260
Benzene	U	0.005	mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromoform	U	0.005	mg/L	0.005	SW846-8260
Bromomethane	U	0.005	mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L	0.005	SW846-8260
Chloroethane	U	0.005	mg/L	0.005	SW846-8260
Chloromethane	U	0.005	mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Dibromomethane	U	0.005	mg/L	0.005	SW846-8260
Dichlorodifluoromethane	JU	0.005	mg/L	0.005	SW846-8260
Ethanol	JU	0.25	mg/L	0.25	SW846-8015
Ethyl methacrylate	U	0.005	mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L	0.005	SW846-8260
Iodomethane	JU	0.005	mg/L	0.005	SW846-8260
Methylene chloride	JU	0.005	mg/L	0.005	SW846-8260
Styrene	U	0.005	mg/L	0.005	SW846-8260



**MW396****SG04-01****C-746 S&T QUARTERLY - OCTOBER SG04-01**

Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	35 mg/L	35	EPA-410.4 1978
Cyanide	UX	0.02 mg/L	0.02	SW846-9010-A
Iodide		2.5 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		9.1 mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.0864 mg/L	0.01	SW846-9020A

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Paducah-OREIS Data Report

PaducahOREIS Download  
12/18/2007

MW397

SG04-01

C-746 S&T QUARTERLY - OCTOBER SG04-01

MW397SG1-04

Collected: 10/14/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		40.8	mg/L		2	SW846-9056
Fluoride	*	0.12	mg/L		0.1	9214
Nitrate as Nitrogen		2	mg/L		1	SW846-9056
Sulfate		12.1	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.53	Inches/Hg			
Conductivity		331	umho/cm			
Depth to Water		61	ft			
Dissolved Oxygen		5.34	mg/L			
pH		6.36	Std Unit			
Redox		187	mV			
Temperature		60.5	deg F			
Turbidity		26.8	NTU			
<b>METAL</b>						
Aluminum	NU	0.2	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Barium	N	0.139	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6010A
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		19.9	mg/L		1	SW846-6010A
Chromium	U	0.02	mg/L		0.02	SW846-6020
Cobalt	NUX	0.001	mg/L		0.001	SW846-6020
Copper	NU	0.02	mg/L		0.02	SW846-6020
Iron	BU	0.1	mg/L		0.1	SW846-6010A
Lead		0.0121	mg/L		0.005	SW846-6020
Magnesium		7.94	mg/L		0.025	SW846-6010A
Manganese		0.00555	mg/L		0.005	SW846-6020
Mercury	BUW	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	NU	0.005	mg/L		0.005	SW846-6020
Potassium		1.92	mg/L		0.2	SW846-6010A
Rhodium	BU	0.005	mg/L		0.005	SW846-6020
Selenium	BX	0.0059	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		37.1	mg/L		2	SW846-6010A
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	BU	0.002	mg/L		0.002	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.02	mg/L		0.02	SW846-6020
<b>METAL-D</b>						
Barium, Dissolved		0.136	mg/L		0.005	SW846-6020
<b>PHYSC</b>						
Dissolved Solids		198	mg/L		43	EPA-160.1
<b>PCCB</b>						
PCB-1016	U	0.00017	mg/L		0.0002	SW846-8082
PCB-1221	U	0.00017	mg/L		0.0002	SW846-8082

## MW397

## SG04-01

## C-746 S&amp;T QUARTERLY - OCTOBER SG04-01

PCB-1232	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1242	U	0.00009	mg/L	9E-05	SW846-8082
PCB-1248	U	0.00012	mg/L	0.0001	SW846-8082
PCB-1254	U	0.0001	mg/L	0.0001	SW846-8082
PCB-1260	U	0.00008	mg/L	8E-05	SW846-8082
PCB-1268	U	0.00011	mg/L	0.0001	SW846-8082
Polychlorinated biphenyl	U	0.00017	mg/L	0.0002	SW846-8082
<b>RADS</b>					
Alpha activity	U	2.46	pCi/L	1.32	4.63 EPA-900.0
Beta activity	B	10.1	pCi/L	1.67	6.7 EPA-900.0
Iodine-131	U	2.03	pCi/L	4.06	13.8 RL-7124
Strontium-90	U	2.62	pCi/L	0.449	5.95 RL-7145
Technetium-99	U	10.1	pCi/L	12.3	17.5 RL-7100
Thorium-234	U	-16.6	pCi/L	33.2	42.9 RL-7124
Tritium	U	-20.8	pCi/L	154	258 704R6
<b>SVOA</b>					
1,2-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
<b>VOA</b>					
1,1,1,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JU	0.0002	mg/L	0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	0.005	SW846-8260
2-Butanone	U	0.01	mg/L	0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	JU	0.01	mg/L	0.01	SW846-8260
Acetone	U	0.01	mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L	0.01	SW846-8260
Benzene	U	0.005	mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromoform	U	0.005	mg/L	0.005	SW846-8260
Bromomethane	U	0.005	mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L	0.005	SW846-8260
Chloroethane	U	0.005	mg/L	0.005	SW846-8260
Chloromethane	U	0.005	mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Dibromomethane	U	0.005	mg/L	0.005	SW846-8260
Dichlorodifluoromethane	JU	0.005	mg/L	0.005	SW846-8260
Ethanol	U	0.25	mg/L	0.25	SW846-8015
Ethyl methacrylate	U	0.005	mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L	0.005	SW846-8260
Iodomethane	JU	0.005	mg/L	0.005	SW846-8260
Methylene chloride	JU	0.005	mg/L	0.005	SW846-8260
Styrene	U	0.005	mg/L	0.005	SW846-8260

**MW397****SG04-01****C-746 S&T QUARTERLY - OCTOBER SG04-01**

Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	35 mg/L	35	EPA-410.4 1978
Cyanide	UX	0.02 mg/L	0.02	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.01 mg/L	0.01	SW846-9020A

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**MW220**

**SG04-02**

**C-746 S&T QUARTERLY - Radium - JANUARY SG04-02**

**MW220SG2-04**

Collected: 1/13/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		40.8	mg/L		2	SW846-9056
Fluoride		0.24	mg/L		0.1	9214
Nitrate as Nitrogen		1.4	mg/L		1	SW846-9056
Sulfate		10.3	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		30.21	Inches/Hg			
Conductivity		365	umho/cm			
Depth to Water		57	ft			
Dissolved Oxygen		3.48	mg/L			
pH		6.33	Std Unit			
Redox		295	mV			
Temperature		59.5	deg F			
Turbidity		16.1	NTU			
<b>METAL</b>						
Aluminum		0.309	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Barium	N	0.248	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6010A
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		20.3	mg/L		1	SW846-6010A
Chromium	U	0.02	mg/L		0.02	SW846-6020
Cobalt		0.00464	mg/L		0.001	SW846-6020
Copper	U	0.02	mg/L		0.02	SW846-6020
Iron		0.793	mg/L		0.1	SW846-6010A
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		8.49	mg/L		0.025	SW846-6010A
Manganese	NX	0.159	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum		0.00572	mg/L		0.001	SW846-6020
Nickel	NX	0.0209	mg/L		0.005	SW846-6020
Potassium		6.71	mg/L		0.2	SW846-6010A
Rhodium	U	0.005	mg/L		0.005	SW846-6020
Selenium	B	0.00749	mg/L		0.005	SW846-6020
Silver	U	0.001	mg/L		0.001	SW846-6020
Sodium	N	37	mg/L		2	SW846-6010A
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	BJUX	0.002	mg/L		0.002	SW846-6020
Uranium	BJ	0.00298	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.02	mg/L		0.02	SW846-6020
<b>METAL-D</b>						
Barium, Dissolved		0.216	mg/L		0.005	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
<b>PHYSC</b>						
Dissolved Solids		198	mg/L		42	EPA-160.1
<b>RADS</b>						
Alpha activity	U	1.13	pCi/L	0.751	5.12	EPA-900.0

**MW220****SG04-02****C-746 S&T QUARTERLY - Radium - JANUARY SG04-02**

Beta activity		13.5	pCi/L	2.17	6.33	EPA-900.0
Iodine-131	U	0.204	pCi/L	0.409	15.8	RL-7124
Strontium-90	U	2.01	pCi/L	0.332	5.9	RL-7145
Technetium-99	U	6.32	pCi/L	13.2	19	RL-7100
Thorium-234	U	6.12	pCi/L	12.2	44.2	RL-7124
Tritium	U	50	pCi/L	176	293	704R6
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	UY	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	JU	0.01	mg/L		0.01	SW846-8260
Benzene	UY	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene	U	0.001	mg/L		0.001	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L		0.005	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260
<b>WETCHEM</b>						
Chemical Oxygen Demand (COD)	U	35	mg/L		35	EPA-410.4 1978
Cyanide	JU	0.02	mg/L		0.02	SW846-9010-A

**MW220**

**SG04-02**

**C-746 S&T QUARTERLY - Radium - JANUARY SG04-02**

Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.01 mg/L	0.01	SW846-9020A

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MW221

SG04-02

C-746 S&T QUARTERLY - Radium - JANUARY SG04-02

MW221SG2-04

Collected: 1/12/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		45.1	mg/L		2	SW846-9056
Fluoride		0.23	mg/L		0.1	9214
Nitrate as Nitrogen		1.8	mg/L		1	SW846-9056
Sulfate		12.8	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		30.18	Inches/Hg			
Conductivity		406	umho/cm			
Depth to Water		66.5	ft			
Dissolved Oxygen		4.5	mg/L			
pH		6.42	Std Unit			
Redox		203	mV			
Temperature		59.9	deg F			
Turbidity		51.5	NTU			
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Barium	N	0.268	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6010A
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		23.3	mg/L		1	SW846-6010A
Chromium	U	0.02	mg/L		0.02	SW846-6020
Cobalt		0.00156	mg/L		0.001	SW846-6020
Copper	U	0.02	mg/L		0.02	SW846-6020
Iron	BU	0.1	mg/L		0.1	SW846-6010A
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		10.1	mg/L		0.025	SW846-6010A
Manganese	NX	0.0434	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum		0.00402	mg/L		0.001	SW846-6020
Nickel	NUX	0.005	mg/L		0.005	SW846-6020
Potassium		2.6	mg/L		0.2	SW846-6010A
Rhodium	U	0.005	mg/L		0.005	SW846-6020
Selenium	B	0.006	mg/L		0.005	SW846-6020
Silver	U	0.001	mg/L		0.001	SW846-6020
Sodium	N	46.4	mg/L		2	SW846-6010A
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	BJUX	0.002	mg/L		0.002	SW846-6020
Uranium	BJU	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.02	mg/L		0.02	SW846-6020
<b>METAL-D</b>						
Barium, Dissolved		0.238	mg/L		0.005	SW846-6020
<b>PHYSC</b>						
Dissolved Solids		228	mg/L		42	EPA-160.1
<b>RADS</b>						
Alpha activity	U	3.21	pCi/L	1.86	5.62	EPA-900.0
Beta activity		6.58	pCi/L	1.26	6.45	EPA-900.0



**MW221****SG04-02****C-746 S&T QUARTERLY - Radium - JANUARY SG04-02**

Iodine-131	U	4.21	pCi/L	8.42	18.2	RL-7124
Strontium-90	U	0.391	pCi/L	0.0711	5.9	RL-7145
Technetium-99	U	2.83	pCi/L	13.2	19	RL-7100
Thorium-234	U	-19	pCi/L	38	43.2	RL-7124
Tritium	U	70.8	pCi/L	177	293	704R6
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	UY	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	JU	0.01	mg/L		0.01	SW846-8260
Benzene	UY	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene		0.001	mg/L		0.001	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L		0.005	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260
<b>WETCHEM</b>						
Chemical Oxygen Demand (COD)	U	35	mg/L		35	EPA-410.4 1978
Cyanide	JU	0.02	mg/L		0.02	SW846-9010-A
Iodide	*U	2	mg/L		2	EPA-345.1 1974

**MW221**

**SG04-02**

**C-746 S&T QUARTERLY - Radium - JANUARY SG04-02**

Total Organic Carbon (TOC)		1.6 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.01 mg/L	0.01	SW846-9020A

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**MW222**

**SG04-02**

**C-746 S&T QUARTERLY - Radium - JANUARY SG04-02**

**MW222SG2-04**

Collected: 1/12/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		32.1	mg/L		2	SW846-9056
Fluoride		0.48	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		11.2	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		30.18	Inches/Hg			
Conductivity		436	umho/cm			
Depth to Water		70.52	ft			
Dissolved Oxygen		1.3	mg/L			
pH		7.02	Std Unit			
Redox		33	mV			
Temperature		60.8	deg F			
Turbidity		22.4	NTU			
<b>METAL</b>						
Aluminum		1.13	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Barium	N	1.45	mg/L		0.05	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6010A
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		22.4	mg/L		1	SW846-6010A
Chromium	U	0.02	mg/L		0.02	SW846-6020
Cobalt		0.155	mg/L		0.01	SW846-6020
Copper	U	0.02	mg/L		0.02	SW846-6020
Iron		2.94	mg/L		0.1	SW846-6010A
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		9.77	mg/L		0.025	SW846-6010A
Manganese	NX	13.5	mg/L		0.5	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum		0.00406	mg/L		0.001	SW846-6020
Nickel	NX	0.0494	mg/L		0.005	SW846-6020
Potassium		0.748	mg/L		0.2	SW846-6010A
Rhodium	U	0.005	mg/L		0.005	SW846-6020
Selenium	BU	0.005	mg/L		0.005	SW846-6020
Silver	U	0.001	mg/L		0.001	SW846-6020
Sodium	N	49.1	mg/L		2	SW846-6010A
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	BJUX	0.002	mg/L		0.002	SW846-6020
Uranium	BJ	0.00417	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.02	mg/L		0.02	SW846-6020
<b>METAL-D</b>						
Barium, Dissolved		1.3	mg/L		0.05	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
<b>PHYSC</b>						
Dissolved Solids		258	mg/L		42	EPA-160.1
<b>RADS</b>						
Alpha activity		6.78	pCi/L	3.2	6.26	EPA-900.0

**MW222****SG04-02****C-746 S&T QUARTERLY - Radium - JANUARY SG04-02**

Beta activity	U	5.76	pCi/L	1.13	6.59	EPA-900.0
Iodine-131	U	10.8	pCi/L	21.6	20.5	RL-7124
Strontium-90	U	0.714	pCi/L	0.127	5.9	RL-7145
Technetium-99	U	0	pCi/L	0	19	RL-7100
Thorium-234	U	-9.15	pCi/L	18.3	43.2	RL-7124
Tritium	U	-14.6	pCi/L	175	293	704R6
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	UY	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	JU	0.01	mg/L		0.01	SW846-8260
Benzene	UY	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	JU	0.25	mg/L		0.25	SW846-8015
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene	U	0.001	mg/L		0.001	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L		0.005	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260
<b>WETCHEM</b>						
Chemical Oxygen Demand (COD)	U	35	mg/L		35	EPA-410.4 1978
Cyanide	JU	0.02	mg/L		0.02	SW846-9010-A

**MW222**

**SG04-02**

**C-746 S&T QUARTERLY - Radium - JANUARY SG04-02**

Iodide	*U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		1.6 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.01 mg/L	0.01	SW846-9020A

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Paducah-OREIS Data Report

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12/18/2007

MW223

SG04-02

C-746 S&T QUARTERLY - Radium - JANUARY SG04-02

MW223SG2-04

Collected: 1/13/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		38.3	mg/L		2	SW846-9056
Fluoride		0.28	mg/L		0.1	9214
Nitrate as Nitrogen		1.3	mg/L		1	SW846-9056
Sulfate		12.8	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		30.21	Inches/Hg			
Conductivity		403	umho/cm			
Depth to Water		69.75	ft			
Dissolved Oxygen		2.23	mg/L			
pH		6.53	Std Unit			
Redox		352	mV			
Temperature		57.8	deg F			
Turbidity		32.4	NTU			
<b>METAL</b>						
Aluminum		0.633	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Barium	N	0.634	mg/L		0.05	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6010A
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		19.6	mg/L		1	SW846-6010A
Chromium	U	0.02	mg/L		0.02	SW846-6020
Cobalt		0.0634	mg/L		0.001	SW846-6020
Copper	U	0.02	mg/L		0.02	SW846-6020
Iron		1.67	mg/L		0.1	SW846-6010A
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		8.04	mg/L		0.025	SW846-6010A
Manganese	NX	5.54	mg/L		0.05	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum		0.0169	mg/L		0.001	SW846-6020
Nickel	NX	0.108	mg/L		0.005	SW846-6020
Potassium		6.36	mg/L		0.2	SW846-6010A
Rhodium	U	0.005	mg/L		0.005	SW846-6020
Selenium	B	0.00615	mg/L		0.005	SW846-6020
Silver	U	0.001	mg/L		0.001	SW846-6020
Sodium	N	44.4	mg/L		2	SW846-6010A
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	BJUX	0.002	mg/L		0.002	SW846-6020
Uranium	BJ	0.00384	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.02	mg/L		0.02	SW846-6020
<b>METAL-D</b>						
Barium, Dissolved		0.561	mg/L		0.05	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
<b>PHYSC</b>						
Dissolved Solids		244	mg/L		42	EPA-160.1
<b>RADS</b>						
Alpha activity	U	1.96	pCi/L	1.18	5.29	EPA-900.0

**MW223**

**SG04-02**

**C-746 S&T QUARTERLY - Radium - JANUARY SG04-02**

Beta activity		14.7	pCi/L	2.31	6.37	EPA-900.0
Iodine-131	U	-4.5	pCi/L	9	19.4	RL-7124
Strontium-90	U	1.35	pCi/L	0.232	5.9	RL-7145
Technetium-99	U	10.6	pCi/L	13.4	19	RL-7100
Thorium-234	U	-6.08	pCi/L	12.2	43.8	RL-7124
Tritium	U	-39.5	pCi/L	175	293	704R6
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JUY	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	JU	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene	U	0.001	mg/L		0.001	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L		0.005	SW846-8260
Vinyl acetate	U	0.01	mg/L		0.01	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260

**WETCHEM**

**MW223**

**SG04-02**

**C-746 S&T QUARTERLY - Radium - JANUARY SG04-02**

Chemical Oxygen Demand (COD)	U	35 mg/L	35	EPA-410.4 1978
Cyanide	JU	0.02 mg/L	0.02	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.01 mg/L	0.01	SW846-9020A

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**MW224**

**SG04-02**

**C-746 S&T QUARTERLY - Radium - JANUARY SG04-02**

**MW224SG2-04**

Collected: 1/12/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		28.4	mg/L		2	SW846-9056
Fluoride		0.45	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		13.3	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		30.18	Inches/Hg			
Conductivity		528	umho/cm			
Depth to Water		71.08	ft			
Dissolved Oxygen		1.13	mg/L			
pH		6.5	Std Unit			
Redox		160	mV			
Temperature		60.4	deg F			
Turbidity		8.4	NTU			
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Barium	N	0.616	mg/L		0.05	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6010A
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		30.2	mg/L		1	SW846-6010A
Chromium	U	0.02	mg/L		0.02	SW846-6020
Cobalt		0.137	mg/L		0.01	SW846-6020
Copper	U	0.02	mg/L		0.02	SW846-6020
Iron		0.376	mg/L		0.1	SW846-6010A
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		13.2	mg/L		0.025	SW846-6010A
Manganese	NX	5.28	mg/L		0.05	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	B	0.0011	mg/L		0.001	SW846-6020
Nickel	NX	0.0291	mg/L		0.005	SW846-6020
Potassium		0.907	mg/L		0.2	SW846-6010A
Rhodium	U	0.005	mg/L		0.005	SW846-6020
Selenium	U	0.005	mg/L		0.005	SW846-6020
Silver	U	0.001	mg/L		0.001	SW846-6020
Sodium	N	65.4	mg/L		2	SW846-6010A
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	BJUX	0.002	mg/L		0.002	SW846-6020
Uranium	BU	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.02	mg/L		0.02	SW846-6020
<b>METAL-D</b>						
Barium, Dissolved		0.569	mg/L		0.05	SW846-6020
<b>PHYSC</b>						
Dissolved Solids		293	mg/L		42	EPA-160.1
<b>RADS</b>						
Alpha activity	U	2.75	pCi/L	1.83	7.28	EPA-900.0
Beta activity	U	2.8	pCi/L	0.608	6.78	EPA-900.0

**MW224****SG04-02****C-746 S&T QUARTERLY - Radium - JANUARY SG04-02**

Iodine-131	U	3.18	pCi/L	6.35	13.7	RL-7124
Strontium-90	U	0.919	pCi/L	0.162	5.9	RL-7145
Technetium-99	U	5.47	pCi/L	13.2	19	RL-7100
Thorium-234	U	-7.52	pCi/L	15	42.3	RL-7124
Tritium	U	87.4	pCi/L	177	293	704R6
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	UY	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	UY	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene		0.001	mg/L		0.001	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L		0.005	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260
<b>WETCHEM</b>						
Chemical Oxygen Demand (COD)	U	35	mg/L		35	EPA-410.4 1978
Cyanide	JU	0.02	mg/L		0.02	SW846-9010-A
Iodide	*U	2	mg/L		2	EPA-345.1 1974

**MW224**

**SG04-02**

**C-746 S&T QUARTERLY - Radium - JANUARY SG04-02**

Total Organic Carbon (TOC)		2.2 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.01 mg/L	0.01	SW846-9020A

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**MW224**

**SG04-02**

**C-746 S&T QUARTERLY - Radium - JANUARY SG04-02**

**MW224DSG2-04**

Collected: 1/12/2004

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		27.6	mg/L		2	SW846-9056
Fluoride		0.44	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		13.1	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		30.18	Inches/Hg			
Conductivity		528	umho/cm			
Depth to Water		71.08	ft			
Dissolved Oxygen		1.13	mg/L			
pH		6.5	Std Unit			
Redox		160	mV			
Temperature		60.4	deg F			
Turbidity		8.4	NTU			
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Barium	N	0.606	mg/L		0.05	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6010A
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		29.6	mg/L		1	SW846-6010A
Chromium	U	0.02	mg/L		0.02	SW846-6020
Cobalt		0.146	mg/L		0.01	SW846-6020
Copper	U	0.02	mg/L		0.02	SW846-6020
Iron		0.284	mg/L		0.1	SW846-6010A
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		12.9	mg/L		0.025	SW846-6010A
Manganese	NX	5.19	mg/L		0.05	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	B	0.00107	mg/L		0.001	SW846-6020
Nickel	NX	0.0294	mg/L		0.005	SW846-6020
Potassium		0.902	mg/L		0.2	SW846-6010A
Rhodium	U	0.005	mg/L		0.005	SW846-6020
Selenium	BU	0.005	mg/L		0.005	SW846-6020
Silver	U	0.001	mg/L		0.001	SW846-6020
Sodium	N	66	mg/L		2	SW846-6010A
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	BJUX	0.002	mg/L		0.002	SW846-6020
Uranium	BJ	0.00396	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.02	mg/L		0.02	SW846-6020
<b>METAL-D</b>						
Barium, Dissolved		0.564	mg/L		0.05	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
<b>PHYSC</b>						
Dissolved Solids		310	mg/L		42	EPA-160.1
<b>RADS</b>						
Alpha activity	U	4.69	pCi/L	2.6	6.64	EPA-900.0

**MW224****SG04-02****C-746 S&T QUARTERLY - Radium - JANUARY SG04-02**

Beta activity	U	3.08	pCi/L	0.66	6.66	EPA-900.0
Iodine-131	U	-5.75	pCi/L	11.5	22.4	RL-7124
Strontium-90	U	0.131	pCi/L	0.0242	5.9	RL-7145
Technetium-99	U	1.32	pCi/L	12.9	19	RL-7100
Thorium-234	U	-12.7	pCi/L	25.4	34.2	RL-7124
Tritium	U	131	pCi/L	178	293	704R6
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	UY	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	JU	0.01	mg/L		0.01	SW846-8260
Benzene	UY	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene	U	0.001	mg/L		0.001	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L		0.005	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260
<b>WETCHEM</b>						
Chemical Oxygen Demand (COD)	U	35	mg/L		35	EPA-410.4 1978
Cyanide	JU	0.02	mg/L		0.02	SW846-9010-A

**MW224**

**SG04-02**

**C-746 S&T QUARTERLY - Radium - JANUARY SG04-02**

Iodide	*U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		2.1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.01 mg/L	0.01	SW846-9020A

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**MW384**

**SG04-02**

**C-746 S&T QUARTERLY - Radium - JANUARY SG04-02**

**MW384SG2-04**

Collected: 1/13/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		55.3	mg/L		10	SW846-9056
Fluoride		0.27	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		28.4	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		30.18	Inches/Hg			
Conductivity		639	umho/cm			
Depth to Water		40.78	ft			
Dissolved Oxygen		1.48	mg/L			
pH		6.4	Std Unit			
Redox		-28	mV			
Temperature		56.4	deg F			
Turbidity		3.7	NTU			
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Barium	N	0.258	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6010A
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		30.9	mg/L		1	SW846-6010A
Chromium	U	0.02	mg/L		0.02	SW846-6020
Cobalt	U	0.001	mg/L		0.001	SW846-6020
Copper	U	0.02	mg/L		0.02	SW846-6020
Iron		5.73	mg/L		0.1	SW846-6010A
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		11.6	mg/L		0.025	SW846-6010A
Manganese	NX	0.777	mg/L		0.05	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	NUX	0.005	mg/L		0.005	SW846-6020
Potassium		1.39	mg/L		0.2	SW846-6010A
Rhodium	U	0.005	mg/L		0.005	SW846-6020
Selenium	B	0.00548	mg/L		0.005	SW846-6020
Silver	U	0.001	mg/L		0.001	SW846-6020
Sodium	N	65.7	mg/L		2	SW846-6010A
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	BJUX	0.002	mg/L		0.002	SW846-6020
Uranium	BJU	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.02	mg/L		0.02	SW846-6020
<b>METAL-D</b>						
Barium, Dissolved		0.226	mg/L		0.005	SW846-6020
<b>PHYSC</b>						
Dissolved Solids		284	mg/L		42	EPA-160.1
<b>RADS</b>						
Alpha activity	U	4.84	pCi/L	2.17	6.95	EPA-900.0
Beta activity		46.6	pCi/L	4.96	6.72	EPA-900.0

**MW384****SG04-02****C-746 S&T QUARTERLY - Radium - JANUARY SG04-02**

Iodine-131	U	5.69	pCi/L	11.4	21.8	RL-7124
Strontium-90	X	9.17	pCi/L	1.07	6.52	RL-7145
Technetium-99	U	18.8	pCi/L	13.6	19	RL-7100
Thorium-234	U	-6.54	pCi/L	13.1	45	RL-7124
Tritium	U	114	pCi/L	178	293	704R6
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	JU	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene		0.001	mg/L		0.001	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L		0.005	SW846-8260
Vinyl acetate	U	0.01	mg/L		0.01	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260
<b>WETCHEM</b>						
Chemical Oxygen Demand (COD)	U	35	mg/L		35	EPA-410.4 1978



**MW384**

**SG04-02**

**C-746 S&T QUARTERLY - Radium - JANUARY SG04-02**

Cyanide	JU	0.02 mg/L	0.02	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		3.5 mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.0742 mg/L	0.01	SW846-9020A

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# Paducah-OREIS Data Report

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12/18/2007

**MW385**

**SG04-02**

## C-746 S&T QUARTERLY - Radium - JANUARY SG04-02

**MW385SG2-04**

Collected: 1/13/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		32.1	mg/L		2	SW846-9056
Fluoride		0.29	mg/L		0.1	9214
Nitrate as Nitrogen		1.6	mg/L		1	SW846-9056
Sulfate		15	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		30.18	Inches/Hg			
Conductivity		433	umho/cm			
Depth to Water		40.17	ft			
Dissolved Oxygen		1.53	mg/L			
pH		7	Std Unit			
Redox		38	mV			
Temperature		57.9	deg F			
Turbidity		4.4	NTU			
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Barium	N	0.163	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6010A
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		33	mg/L		1	SW846-6010A
Chromium	U	0.02	mg/L		0.02	SW846-6020
Cobalt	U	0.001	mg/L		0.001	SW846-6020
Copper	U	0.02	mg/L		0.02	SW846-6020
Iron		0.156	mg/L		0.1	SW846-6010A
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		9.41	mg/L		0.025	SW846-6010A
Manganese	NX	0.0169	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	B	0.00165	mg/L		0.001	SW846-6020
Nickel	NUX	0.005	mg/L		0.005	SW846-6020
Potassium		1.8	mg/L		0.2	SW846-6010A
Rhodium	U	0.005	mg/L		0.005	SW846-6020
Selenium	B	0.00799	mg/L		0.005	SW846-6020
Silver	U	0.001	mg/L		0.001	SW846-6020
Sodium	N	34	mg/L		2	SW846-6010A
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	BUX	0.002	mg/L		0.002	SW846-6020
Uranium	BJ	0.00111	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.02	mg/L		0.02	SW846-6020
<b>METAL-D</b>						
Barium, Dissolved		0.16	mg/L		0.005	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
<b>PHYSC</b>						
Dissolved Solids		218	mg/L		42	EPA-160.1
<b>RADS</b>						
Alpha activity		6.78	pCi/L	2.4	5.23	EPA-900.0

**MW385****SG04-02****C-746 S&T QUARTERLY - Radium - JANUARY SG04-02**

Beta activity		71.7	pCi/L	6.22	6.36	EPA-900.0
Iodine-131	U	-1.27	pCi/L	2.55	15.2	RL-7124
Strontium-90	U	1.33	pCi/L	0.229	5.9	RL-7145
Technetium-99		111	pCi/L	16.5	19	RL-7100
Thorium-234	U	-14.6	pCi/L	29.2	43	RL-7124
Tritium	U	-56.2	pCi/L	174	293	704R6
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	UY	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene	U	0.001	mg/L		0.001	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L		0.005	SW846-8260
Vinyl acetate	U	0.01	mg/L		0.01	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260

**WETCHEM**

**MW385**

**SG04-02**

**C-746 S&T QUARTERLY - Radium - JANUARY SG04-02**

Chemical Oxygen Demand (COD)	U	35 mg/L	35	EPA-410.4 1978
Cyanide	JU	0.02 mg/L	0.02	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		1.4 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.01 mg/L	0.01	SW846-9020A

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**MW386**

**SG04-02**

**C-746 S&T QUARTERLY - Radium - JANUARY SG04-02**

**MW386SG2-04**

Collected: 1/13/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		29.7	mg/L		2	SW846-9056
Fluoride		0.39	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		19.3	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		30.18	Inches/Hg			
Conductivity		606	umho/cm			
Depth to Water		20.02	ft			
Dissolved Oxygen		1.83	mg/L			
pH		6.4	Std Unit			
Redox		22	mV			
Temperature		57.3	deg F			
Turbidity		2	NTU			
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Barium	N	0.0857	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6010A
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		22.6	mg/L		1	SW846-6010A
Chromium	U	0.02	mg/L		0.02	SW846-6020
Cobalt		0.00559	mg/L		0.001	SW846-6020
Copper	U	0.02	mg/L		0.02	SW846-6020
Iron		10.8	mg/L		0.1	SW846-6010A
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		8.98	mg/L		0.025	SW846-6010A
Manganese	NX	0.389	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	B	0.00165	mg/L		0.001	SW846-6020
Nickel	NUX	0.005	mg/L		0.005	SW846-6020
Potassium		0.713	mg/L		0.2	SW846-6010A
Rhodium	U	0.005	mg/L		0.005	SW846-6020
Selenium	BU	0.005	mg/L		0.005	SW846-6020
Silver	U	0.001	mg/L		0.001	SW846-6020
Sodium	N	99.3	mg/L		2	SW846-6010A
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	BUX	0.002	mg/L		0.002	SW846-6020
Uranium	BJU	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.02	mg/L		0.02	SW846-6020
<b>METAL-D</b>						
Barium, Dissolved		0.0782	mg/L		0.005	SW846-6020
<b>PHYSC</b>						
Dissolved Solids	*	356	mg/L		42	EPA-160.1
<b>RADS</b>						
Alpha activity	U	-0.0527	pCi/L	0.0527	7.9	EPA-900.0
Beta activity	U	0.502	pCi/L	0.119	6.89	EPA-900.0

**MW386****SG04-02****C-746 S&T QUARTERLY - Radium - JANUARY SG04-02**

Iodine-131	U	-1.32	pCi/L	2.63	21.9	RL-7124
Strontium-90	U	2.79	pCi/L	0.442	5.9	RL-7145
Technetium-99	U	1.68	pCi/L	13	19	RL-7100
Thorium-234	U	-16.1	pCi/L	32.2	34.1	RL-7124
Tritium	U	269	pCi/L	181	293	704R6
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene	U	0.001	mg/L		0.001	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L		0.005	SW846-8260
Vinyl acetate	U	0.01	mg/L		0.01	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260
<b>WETCHEM</b>						
Chemical Oxygen Demand (COD)		45	mg/L		35	EPA-410.4 1978

**MW386**

**SG04-02**

**C-746 S&T QUARTERLY - Radium - JANUARY SG04-02**

Cyanide	JU	0.02 mg/L	0.02	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		15 mg/L	2	SW846-9060
Total Organic Halides (TOX)		0.217 mg/L	0.01	SW846-9020A

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**MW387**

**SG04-02**

**C-746 S&T QUARTERLY - Radium - JANUARY SG04-02**

**MW387SG2-04**

Collected: 1/13/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		46.6	mg/L		2	SW846-9056
Fluoride		1	mg/L		0.1	9214
Nitrate as Nitrogen		1.7	mg/L		1	SW846-9056
Sulfate		23.2	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		30.18	Inches/Hg			
Conductivity		463	umho/cm			
Depth to Water		39	ft			
Dissolved Oxygen		4.9	mg/L			
pH		6.2	Std Unit			
Redox		135	mV			
Temperature		58.4	deg F			
Turbidity		2	NTU			
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Barium	N	0.172	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6010A
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		30.1	mg/L		1	SW846-6010A
Chromium	U	0.02	mg/L		0.02	SW846-6020
Cobalt	U	0.001	mg/L		0.001	SW846-6020
Copper	U	0.02	mg/L		0.02	SW846-6020
Iron	BU	0.1	mg/L		0.1	SW846-6010A
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		12	mg/L		0.025	SW846-6010A
Manganese	NUX	0.005	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	NUX	0.005	mg/L		0.005	SW846-6020
Potassium		1.96	mg/L		0.2	SW846-6010A
Rhodium	U	0.005	mg/L		0.005	SW846-6020
Selenium	B	0.00723	mg/L		0.005	SW846-6020
Silver	U	0.001	mg/L		0.001	SW846-6020
Sodium	N	45	mg/L		2	SW846-6010A
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	BJUX	0.002	mg/L		0.002	SW846-6020
Uranium	BJU	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.02	mg/L		0.02	SW846-6020
<b>METAL-D</b>						
Barium, Dissolved		0.157	mg/L		0.005	SW846-6020
<b>PHYSC</b>						
Dissolved Solids		264	mg/L		42	EPA-160.1
<b>RADS</b>						
Alpha activity		8.19	pCi/L	2.77	5.76	EPA-900.0
Beta activity		81.9	pCi/L	6.76	6.48	EPA-900.0



**MW387****SG04-02****C-746 S&T QUARTERLY - Radium - JANUARY SG04-02**

Iodine-131	U	-2.94	pCi/L	5.88	22.4	RL-7124
Strontium-90	U	1.03	pCi/L	0.179	5.9	RL-7145
Technetium-99		107	pCi/L	16.3	19	RL-7100
Thorium-234	U	-15.3	pCi/L	30.6	44.8	RL-7124
Tritium	U	227	pCi/L	180	293	704R6
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene		0.002	mg/L		0.001	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L		0.005	SW846-8260
Vinyl acetate	U	0.01	mg/L		0.01	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260
<b>WETCHEM</b>						
Chemical Oxygen Demand (COD)	U	35	mg/L		35	EPA-410.4 1978

**MW387**

**SG04-02**

**C-746 S&T QUARTERLY - Radium - JANUARY SG04-02**

Cyanide	JU	0.02 mg/L	0.02	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.01 mg/L	0.01	SW846-9020A

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**MW388**

**SG04-02**

**C-746 S&T QUARTERLY - Radium - JANUARY SG04-02**

**MW388SG2-04**

Collected: 1/13/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		41.3	mg/L		2	SW846-9056
Fluoride		0.21	mg/L		0.1	9214
Nitrate as Nitrogen		1.9	mg/L		1	SW846-9056
Sulfate		13.4	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		30.18	Inches/Hg			
Conductivity		384	umho/cm			
Depth to Water		38.98	ft			
Dissolved Oxygen		5.48	mg/L			
pH		6.1	Std Unit			
Redox		123	mV			
Temperature		55.7	deg F			
Turbidity		16.2	NTU			
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Barium	N	0.186	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6010A
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		23	mg/L		1	SW846-6010A
Chromium	U	0.02	mg/L		0.02	SW846-6020
Cobalt	U	0.001	mg/L		0.001	SW846-6020
Copper	U	0.02	mg/L		0.02	SW846-6020
Iron		0.159	mg/L		0.1	SW846-6010A
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		9.72	mg/L		0.025	SW846-6010A
Manganese	NUX	0.005	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	NUX	0.005	mg/L		0.005	SW846-6020
Potassium		1.82	mg/L		0.2	SW846-6010A
Rhodium	U	0.005	mg/L		0.005	SW846-6020
Selenium	B	0.0075	mg/L		0.005	SW846-6020
Silver	U	0.001	mg/L		0.001	SW846-6020
Sodium	N	39.8	mg/L		2	SW846-6010A
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	BJUX	0.002	mg/L		0.002	SW846-6020
Uranium	BJU	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.02	mg/L		0.02	SW846-6020
<b>METAL-D</b>						
Barium, Dissolved		0.172	mg/L		0.005	SW846-6020
<b>PHYSC</b>						
Dissolved Solids		216	mg/L		42	EPA-160.1
<b>RADS</b>						
Alpha activity	U	3.62	pCi/L	1.81	5.49	EPA-900.0
Beta activity		23.7	pCi/L	3.2	6.42	EPA-900.0

## MW388

## SG04-02

## C-746 S&amp;T QUARTERLY - Radium - JANUARY SG04-02

Iodine-131	U	3.8	pCi/L	7.6	13.5	RL-7124
Strontium-90	U	1.92	pCi/L	0.318	5.9	RL-7145
Technetium-99		26.8	pCi/L	13.9	19	RL-7100
Thorium-234	U	-28.6	pCi/L	57.3	27.2	RL-7124
Tritium	U	0	pCi/L	175	293	704R6
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene	U	0.001	mg/L		0.001	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L		0.005	SW846-8260
Vinyl acetate	U	0.01	mg/L		0.01	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260
<b>WETCHEM</b>						
Chemical Oxygen Demand (COD)	U	35	mg/L		35	EPA-410.4 1978

**MW388**

**SG04-02**

**C-746 S&T QUARTERLY - Radium - JANUARY SG04-02**

Cyanide	JU	0.02 mg/L	0.02	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.01 mg/L	0.01	SW846-9020A

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**MW390**

**SG04-02**

**C-746 S&T QUARTERLY - Radium - JANUARY SG04-02**

**MW390SG2-04**

Collected: 1/13/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide		2.7	mg/L		1	SW846-9056
Chloride		301.1	mg/L		20	SW846-9056
Fluoride		0.22	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		6.4	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		30.18	Inches/Hg			
Conductivity		1246	umho/cm			
Depth to Water		36.05	ft			
Dissolved Oxygen		1.94	mg/L			
pH		6.1	Std Unit			
Redox		114	mV			
Temperature		55.4	deg F			
Turbidity		24.7	NTU			
<b>METAL</b>						
Aluminum		1.93	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Barium	N	0.583	mg/L		0.05	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6010A
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		73.7	mg/L		1	SW846-6010A
Chromium	U	0.02	mg/L		0.02	SW846-6020
Cobalt		0.00312	mg/L		0.001	SW846-6020
Copper	U	0.02	mg/L		0.02	SW846-6020
Iron		1.31	mg/L		0.1	SW846-6010A
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		28.8	mg/L		0.025	SW846-6010A
Manganese	NX	0.0307	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum		0.00448	mg/L		0.001	SW846-6020
Nickel	NX	0.0429	mg/L		0.005	SW846-6020
Potassium		0.893	mg/L		0.2	SW846-6010A
Rhodium	U	0.005	mg/L		0.005	SW846-6020
Selenium	B	0.0249	mg/L		0.005	SW846-6020
Silver	U	0.001	mg/L		0.001	SW846-6020
Sodium	N	120	mg/L		2	SW846-6010A
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	BUX	0.002	mg/L		0.002	SW846-6020
Uranium	BJU	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.02	mg/L		0.02	SW846-6020
<b>METAL-D</b>						
Barium, Dissolved		0.519	mg/L		0.05	SW846-6020
<b>PHYSC</b>						
Dissolved Solids		713	mg/L		42	EPA-160.1
<b>RADS</b>						
Alpha activity		10.3	pCi/L	4.13	9.78	EPA-900.0
Beta activity		54.1	pCi/L	5.57	7.18	EPA-900.0

## MW390

## SG04-02

## C-746 S&amp;T QUARTERLY - Radium - JANUARY SG04-02

Iodine-131	U	2.96	pCi/L	5.92	17.2	RL-7124
Strontium-90	U	2.74	pCi/L	0.436	5.9	RL-7145
Technetium-99		102	pCi/L	16.2	19	RL-7100
Thorium-234	U	-9.85	pCi/L	19.7	30.5	RL-7124
Tritium	U	91.6	pCi/L	177	293	704R6
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	UY	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene	U	0.001	mg/L		0.001	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L		0.005	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260
<b>WETCHEM</b>						
Chemical Oxygen Demand (COD)	U	35	mg/L		35	EPA-410.4 1978
Cyanide	JU	0.02	mg/L		0.02	SW846-9010-A
Iodide	U	2	mg/L		2	EPA-345.1 1974

**MW390**

**SG04-02**

**C-746 S&T QUARTERLY - Radium - JANUARY SG04-02**

Total Organic Carbon (TOC)	1.4 mg/L	1	SW846-9060
Total Organic Halides (TOX)	0.0154 mg/L	0.01	SW846-9020A

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**MW391**

**SG04-02**

**C-746 S&T QUARTERLY - Radium - JANUARY SG04-02**

**MW391SG2-04**

Collected: 1/14/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		43.2	mg/L		2	SW846-9056
Fluoride		0.19	mg/L		0.1	9214
Nitrate as Nitrogen		1	mg/L		1	SW846-9056
Sulfate		8.5	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		30.03	Inches/Hg			
Conductivity		358	umho/cm			
Depth to Water		41.8	ft			
Dissolved Oxygen		4.34	mg/L			
pH		6.2	Std Unit			
Redox		69	mV			
Temperature		57.9	deg F			
Turbidity		5.4	NTU			
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Barium	N	0.293	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6010A
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		42.9	mg/L		1	SW846-6010A
Chromium	U	0.02	mg/L		0.02	SW846-6020
Cobalt		0.00278	mg/L		0.001	SW846-6020
Copper	U	0.02	mg/L		0.02	SW846-6020
Iron		5.84	mg/L		0.1	SW846-6010A
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		17.8	mg/L		0.025	SW846-6010A
Manganese	NX	0.927	mg/L		0.05	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	B	0.00239	mg/L		0.001	SW846-6020
Nickel	NUX	0.005	mg/L		0.005	SW846-6020
Potassium		1.46	mg/L		0.1	SW846-6010A
Rhodium	U	0.005	mg/L		0.005	SW846-6020
Selenium	B	0.0107	mg/L		0.005	SW846-6020
Silver	U	0.001	mg/L		0.001	SW846-6020
Sodium	N	178	mg/L		2	SW846-6010A
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	BUX	0.002	mg/L		0.002	SW846-6020
Uranium	BJ	0.0011	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.02	mg/L		0.02	SW846-6020
<b>METAL-D</b>						
Barium, Dissolved		0.201	mg/L		0.005	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
<b>PHYSC</b>						
Dissolved Solids		206	mg/L		42	EPA-160.1
<b>RADS</b>						
Alpha activity	U	1.78	pCi/L	1.26	5.17	EPA-900.0

**MW391****SG04-02****C-746 S&T QUARTERLY - Radium - JANUARY SG04-02**

Beta activity	U	-0.771	pCi/L	0.194	6.34	EPA-900.0
Iodine-131	U	1.7	pCi/L	3.4	26.6	RL-7124
Strontium-90	U	2.81	pCi/L	0.445	5.9	RL-7145
Technetium-99	U	11.2	pCi/L	11.8	16.9	RL-7100
Thorium-234	U	3.32	pCi/L	6.63	45.6	RL-7124
Tritium	U	-35.4	pCi/L	175	293	704R6
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene		0.012	mg/L		0.001	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L		0.005	SW846-8260
Vinyl acetate	U	0.01	mg/L		0.01	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260

**WETCHEM**

**MW391**

**SG04-02**

**C-746 S&T QUARTERLY - Radium - JANUARY SG04-02**

Chemical Oxygen Demand (COD)	U	35 mg/L	35	EPA-410.4 1978
Cyanide	JU	0.02 mg/L	0.02	SW846-9010-A
Iodide	*U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.01 mg/L	0.01	SW846-9020A

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MW392

SG04-02

C-746 S&T QUARTERLY - Radium - JANUARY SG04-02

MW392SG2-04

Collected: 1/14/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		44.3	mg/L		2	SW846-9056
Fluoride		0.25	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		8.2	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		30.03	Inches/Hg			
Conductivity		430	umho/cm			
Depth to Water		41.06	ft			
Dissolved Oxygen		1.94	mg/L			
pH		6.3	Std Unit			
Redox		2	mV			
Temperature		57.4	deg F			
Turbidity		3.3	NTU			
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Barium	N	0.221	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6010A
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		23.6	mg/L		1	SW846-6010A
Chromium	U	0.02	mg/L		0.02	SW846-6020
Cobalt	U	0.001	mg/L		0.001	SW846-6020
Copper	U	0.02	mg/L		0.02	SW846-6020
Iron		3.99	mg/L		0.1	SW846-6010A
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		8.81	mg/L		0.025	SW846-6010A
Manganese	NX	0.697	mg/L		0.05	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	NUX	0.005	mg/L		0.005	SW846-6020
Potassium		1.81	mg/L		0.2	SW846-6010A
Rhodium	U	0.005	mg/L		0.005	SW846-6020
Selenium	B	0.00564	mg/L		0.005	SW846-6020
Silver	U	0.001	mg/L		0.001	SW846-6020
Sodium	N	46.7	mg/L		2	SW846-6010A
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	BUX	0.002	mg/L		0.002	SW846-6020
Uranium	BJU	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.02	mg/L		0.02	SW846-6020
<b>METAL-D</b>						
Barium, Dissolved		0.195	mg/L		0.005	SW846-6020
<b>PHYSC</b>						
Dissolved Solids	*	243	mg/L		42	EPA-160.1
<b>RADS</b>						
Alpha activity	U	2.31	pCi/L	1.54	5.55	EPA-900.0
Beta activity	U	0	pCi/L	0	6.43	EPA-900.0

**MW392****SG04-02****C-746 S&T QUARTERLY - Radium - JANUARY SG04-02**

Iodine-131	U	-10.2	pCi/L	20.3	27.9	RL-7124
Strontium-90	U	0.187	pCi/L	0.0344	5.9	RL-7145
Technetium-99	U	-0.347	pCi/L	0	16.9	RL-7100
Thorium-234	U	0.494	pCi/L	0.987	45	RL-7124
Tritium	U	99.9	pCi/L	177	293	704R6
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	JU	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene		0.009	mg/L		0.001	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L		0.005	SW846-8260
Vinyl acetate	U	0.01	mg/L		0.01	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260
<b>WETCHEM</b>						
Chemical Oxygen Demand (COD)	U	35	mg/L		35	EPA-410.4 1978

**MW392**

**SG04-02**

**C-746 S&T QUARTERLY - Radium - JANUARY SG04-02**

Cyanide	JU	0.02 mg/L	0.02	SW846-9010-A
Iodide	*U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		3.2 mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.0496 mg/L	0.01	SW846-9020A

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**MW393**

**SG04-02**

**C-746 S&T QUARTERLY - Radium - JANUARY SG04-02**

**MW393SG2-04**

Collected: 1/14/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		22.6	mg/L		2	SW846-9056
Fluoride		0.21	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate	U	5	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		30.03	Inches/Hg			
Conductivity		603	umho/cm			
Depth to Water		26.48	ft			
Dissolved Oxygen		1.55	mg/L			
pH		6.4	Std Unit			
Redox		-85	mV			
Temperature		58.2	deg F			
Turbidity		5.4	NTU			
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Antimony	U	0.005	mg/L		0.005	SW846-6020
Barium	X	0.116	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	BU	0.2	mg/L		0.2	SW846-6010A
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		14.4	mg/L		1	SW846-6010A
Chromium	U	0.02	mg/L		0.02	SW846-6020
Cobalt	U	0.001	mg/L		0.001	SW846-6020
Copper	*U	0.02	mg/L		0.02	SW846-6020
Iron		5.82	mg/L		0.1	SW846-6010A
Lead	UX	0.005	mg/L		0.005	SW846-6020
Magnesium		4.52	mg/L		0.025	SW846-6010A
Manganese	NX	0.0676	mg/L		0.005	SW846-6020
Mercury	UW	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	NU	0.005	mg/L		0.005	SW846-6020
Potassium		0.428	mg/L		0.2	SW846-6010A
Rhodium	BU	0.005	mg/L		0.005	SW846-6020
Selenium	UX	0.005	mg/L		0.005	SW846-6020
Silver	U	0.001	mg/L		0.001	SW846-6020
Sodium	N	99.4	mg/L		2	SW846-6010A
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	BU	0.002	mg/L		0.002	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Vanadium	UX	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.02	mg/L		0.02	SW846-6020
<b>METAL-D</b>						
Barium, Dissolved		0.0962	mg/L		0.005	SW846-6020
<b>PHYSC</b>						
Dissolved Solids		341	mg/L		42	EPA-160.1
<b>RADS</b>						
Alpha activity	U	-0.882	pCi/L	1.02	7.5	EPA-900.0
Beta activity	U	3.18	pCi/L	0.735	6.29	EPA-900.0

**MW393****SG04-02****C-746 S&T QUARTERLY - Radium - JANUARY SG04-02**

Iodine-131	U	-8.88	pCi/L	17.8	27.7	RL-7124
Strontium-90	U	-0.982	pCi/L	0.175	6.52	RL-7145
Technetium-99	U	-2.84	pCi/L	0	16.9	RL-7100
Thorium-234	U	-15	pCi/L	30	44.5	RL-7124
Tritium	U	50	pCi/L	176	293	704R6
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JU	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene	U	0.001	mg/L		0.001	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L		0.005	SW846-8260
Vinyl acetate	U	0.01	mg/L		0.01	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260
<b>WETCHEM</b>						
Chemical Oxygen Demand (COD)		42	mg/L		35	EPA-410.4 1978



**MW393**

**SG04-02**

**C-746 S&T QUARTERLY - Radium - JANUARY SG04-02**

Cyanide	JU	0.02 mg/L	0.02	SW846-9010-A
Iodide	*	3.2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		12 mg/L	2	SW846-9060
Total Organic Halides (TOX)		0.193 mg/L	0.01	SW846-9020A

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**MW394**

**SG04-02**

**C-746 S&T QUARTERLY - Radium - JANUARY SG04-02**

**MW394SG2-04**

Collected: 1/13/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		56	mg/L		10	SW846-9056
Fluoride		0.18	mg/L		0.1	9214
Nitrate as Nitrogen		1.2	mg/L		1	SW846-9056
Sulfate		8.1	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		30.12	Inches/Hg			
Conductivity		395	umho/cm			
Depth to Water		53.8	ft			
Dissolved Oxygen		3.14	mg/L			
pH		6.39	Std Unit			
Redox		249	mV			
Temperature		60.4	deg F			
Turbidity		6.8	NTU			
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Barium	N	0.232	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6010A
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		28.4	mg/L		1	SW846-6010A
Chromium	U	0.02	mg/L		0.02	SW846-6020
Cobalt	U	0.001	mg/L		0.001	SW846-6020
Copper	U	0.02	mg/L		0.02	SW846-6020
Iron		0.251	mg/L		0.1	SW846-6010A
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		11.4	mg/L		0.025	SW846-6010A
Manganese	NX	0.0658	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	NUX	0.005	mg/L		0.005	SW846-6020
Potassium		1.07	mg/L		0.2	SW846-6010A
Rhodium	U	0.005	mg/L		0.005	SW846-6020
Selenium	B	0.00671	mg/L		0.005	SW846-6020
Silver	U	0.001	mg/L		0.001	SW846-6020
Sodium	N	31.3	mg/L		2	SW846-6010A
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	BUX	0.002	mg/L		0.002	SW846-6020
Uranium	BJU	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.02	mg/L		0.02	SW846-6020
<b>METAL-D</b>						
Barium, Dissolved		0.204	mg/L		0.005	SW846-6020
<b>PHYSC</b>						
Dissolved Solids		210	mg/L		42	EPA-160.1
<b>RADS</b>						
Alpha activity	U	2.75	pCi/L	1.66	4.99	EPA-900.0
Beta activity	U	2.14	pCi/L	0.473	6.3	EPA-900.0

## MW394

## SG04-02

## C-746 S&amp;T QUARTERLY - Radium - JANUARY SG04-02

Iodine-131	U	-0.742	pCi/L	1.48	23.2	RL-7124
Strontium-90	U	0.315	pCi/L	0.0575	5.9	RL-7145
Technetium-99	U	0	pCi/L	0	19	RL-7100
Thorium-234	U	-21.7	pCi/L	43.3	30.8	RL-7124
Tritium	U	125	pCi/L	178	293	704R6
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	JU	0.01	mg/L		0.01	SW846-8260
Benzene	UY	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene		0.016	mg/L		0.001	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L		0.005	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260
<b>WETCHEM</b>						
Chemical Oxygen Demand (COD)	U	35	mg/L		35	EPA-410.4 1978
Cyanide	JU	0.02	mg/L		0.02	SW846-9010-A
Iodide	*U	2	mg/L		2	EPA-345.1 1974

**MW394**

**SG04-02**

**C-746 S&T QUARTERLY - Radium - JANUARY SG04-02**

Total Organic Carbon (TOC)	U	1	mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.0128	mg/L	0.01	SW846-9020A

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**MW395**

**SG04-02**

**C-746 S&T QUARTERLY - Radium - JANUARY SG04-02**

**MW395SG2-04**

Collected: 1/13/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		60.6	mg/L		10	SW846-9056
Fluoride		0.16	mg/L		0.1	9214
Nitrate as Nitrogen		1.7	mg/L		1	SW846-9056
Sulfate		8.2	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		30.12	Inches/Hg			
Conductivity		413	umho/cm			
Depth to Water		54.45	ft			
Dissolved Oxygen		4.26	mg/L			
pH		6.24	Std Unit			
Redox		233	mV			
Temperature		60	deg F			
Turbidity		4	NTU			
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Barium	N	0.266	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6010A
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		31.2	mg/L		1	SW846-6010A
Chromium	U	0.02	mg/L		0.02	SW846-6020
Cobalt	U	0.001	mg/L		0.001	SW846-6020
Copper	U	0.02	mg/L		0.02	SW846-6020
Iron	BU	0.1	mg/L		0.1	SW846-6010A
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		12.4	mg/L		0.025	SW846-6010A
Manganese	NX	0.0126	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	NUX	0.005	mg/L		0.005	SW846-6020
Potassium		1.58	mg/L		0.2	SW846-6010A
Rhodium	U	0.005	mg/L		0.005	SW846-6020
Selenium	B	0.00817	mg/L		0.005	SW846-6020
Silver	U	0.001	mg/L		0.001	SW846-6020
Sodium	N	26.4	mg/L		2	SW846-6010A
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	BUX	0.002	mg/L		0.002	SW846-6020
Uranium	BJU	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.02	mg/L		0.02	SW846-6020
<b>METAL-D</b>						
Barium, Dissolved		0.245	mg/L		0.005	SW846-6020
<b>PHYSC</b>						
Dissolved Solids		235	mg/L		50	EPA-160.1
<b>RADS</b>						
Alpha activity	U	1.18	pCi/L	0.832	4.97	EPA-900.0
Beta activity		6.58	pCi/L	1.25	6.29	EPA-900.0

## MW395

## SG04-02

## C-746 S&amp;T QUARTERLY - Radium - JANUARY SG04-02

Iodine-131	U	-4.27	pCi/L	8.54	22.3	RL-7124
Strontium-90	U	0.628	pCi/L	0.112	5.9	RL-7145
Technetium-99	U	0	pCi/L	0	19	RL-7100
Thorium-234	U	-27.6	pCi/L	55.3	29.8	RL-7124
Tritium	U	112	pCi/L	178	293	704R6
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	JU	0.01	mg/L		0.01	SW846-8260
Benzene	UY	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene		0.011	mg/L		0.001	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L		0.005	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260
<b>WETCHEM</b>						
Chemical Oxygen Demand (COD)	U	35	mg/L		35	EPA-410.4 1978
Cyanide	JU	0.02	mg/L		0.02	SW846-9010-A
Iodide	*U	2	mg/L		2	EPA-345.1 1974

**MW395**

**SG04-02**

**C-746 S&T QUARTERLY - Radium - JANUARY SG04-02**

Total Organic Carbon (TOC)	U	1	mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.01	mg/L	0.01	SW846-9020A

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**MW396**

**SG04-02**

**C-746 S&T QUARTERLY - Radium - JANUARY SG04-02**

**MW396SG2-04**

Collected: 1/14/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide		1.7	mg/L		1	SW846-9056
Chloride		104.4	mg/L		10	SW846-9056
Fluoride		0.56	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		18.7	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.47	Inches/Hg			
Conductivity		1158	umho/cm			
Depth to Water		7.35	ft			
Dissolved Oxygen		1.55	mg/L			
pH		7.05	Std Unit			
Redox		-22	mV			
Temperature		57.6	deg F			
Turbidity		18	NTU			
<b>METAL</b>						
Aluminum		0.668	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Barium	N	0.229	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6010A
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		23.6	mg/L		1	SW846-6010A
Chromium	U	0.02	mg/L		0.02	SW846-6020
Cobalt	U	0.001	mg/L		0.001	SW846-6020
Copper	U	0.02	mg/L		0.02	SW846-6020
Iron		2.42	mg/L		0.1	SW846-6010A
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		9.41	mg/L		0.025	SW846-6010A
Manganese	NX	0.0314	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	NUX	0.005	mg/L		0.005	SW846-6020
Potassium		1.49	mg/L		0.2	SW846-6010A
Rhodium	U	0.005	mg/L		0.005	SW846-6020
Selenium	B	0.00856	mg/L		0.005	SW846-6020
Silver	U	0.001	mg/L		0.001	SW846-6020
Sodium	N	29.6	mg/L		2	SW846-6010A
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	BUX	0.002	mg/L		0.002	SW846-6020
Uranium	BJU	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.02	mg/L		0.02	SW846-6020
<b>METAL-D</b>						
Barium, Dissolved		0.243	mg/L		0.005	SW846-6020
<b>PHYSC</b>						
Dissolved Solids	*	805	mg/L		42	EPA-160.1
<b>RADS</b>						
Alpha activity	U	4.62	pCi/L	3.26	15	EPA-900.0
Beta activity	U	3.65	pCi/L	0.821	13.6	EPA-900.0



## MW396

## SG04-02

## C-746 S&amp;T QUARTERLY - Radium - JANUARY SG04-02

Iodine-131	U	14.4	pCi/L	28.9	26.1	RL-7124
Strontium-90	U	1.57	pCi/L	0.265	5.9	RL-7145
Technetium-99	U	1.56	pCi/L	11.5	16.9	RL-7100
Thorium-234	U	-4.26	pCi/L	8.53	45.4	RL-7124
Tritium	U	27.1	pCi/L	176	293	704R6
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JU	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	JU	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene	U	0.001	mg/L		0.001	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L		0.005	SW846-8260
Vinyl acetate	U	0.01	mg/L		0.01	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260
<b>WETCHEM</b>						
Chemical Oxygen Demand (COD)	U	35	mg/L		35	EPA-410.4 1978

**MW396**

**SG04-02**

**C-746 S&T QUARTERLY - Radium - JANUARY SG04-02**

Cyanide	JU	0.02 mg/L	0.02	SW846-9010-A
Iodide	*U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		8.1 mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.145 mg/L	0.01	SW846-9020A

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MW397

SG04-02

C-746 S&T QUARTERLY - Radium - JANUARY SG04-02

MW397SG2-04

Collected: 1/13/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		41.6	mg/L		2	SW846-9056
Fluoride		0.18	mg/L		0.1	9214
Nitrate as Nitrogen		2	mg/L		1	SW846-9056
Sulfate		12.1	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		30.12	Inches/Hg			
Conductivity		334	umho/cm			
Depth to Water		62.5	ft			
Dissolved Oxygen		5.51	mg/L			
pH		6.32	Std Unit			
Redox		253	mV			
Temperature		59.8	deg F			
Turbidity		11.4	NTU			
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Barium	N	0.138	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6010A
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		18.8	mg/L		1	SW846-6010A
Chromium	U	0.02	mg/L		0.02	SW846-6020
Cobalt	U	0.001	mg/L		0.001	SW846-6020
Copper	U	0.02	mg/L		0.02	SW846-6020
Iron	BU	0.1	mg/L		0.1	SW846-6010A
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		7.51	mg/L		0.025	SW846-6010A
Manganese	NUX	0.005	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	NUX	0.005	mg/L		0.005	SW846-6020
Potassium		1.87	mg/L		0.2	SW846-6010A
Rhodium	U	0.005	mg/L		0.005	SW846-6020
Selenium	B	0.00623	mg/L		0.005	SW846-6020
Silver	U	0.001	mg/L		0.001	SW846-6020
Sodium	N	34.3	mg/L		2	SW846-6010A
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	BUX	0.002	mg/L		0.002	SW846-6020
Uranium	BJU	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.02	mg/L		0.02	SW846-6020
<b>METAL-D</b>						
Barium, Dissolved		0.125	mg/L		0.005	SW846-6020
<b>PHYSC</b>						
Dissolved Solids		177	mg/L		42	EPA-160.1
<b>RADS</b>						
Alpha activity	U	0.872	pCi/L	0.66	4.78	EPA-900.0
Beta activity	U	4.55	pCi/L	0.919	6.24	EPA-900.0

## MW397

## SG04-02

## C-746 S&amp;T QUARTERLY - Radium - JANUARY SG04-02

Iodine-131	U	15.4	pCi/L	30.8	25	RL-7124
Strontium-90	U	1.39	pCi/L	0.237	5.9	RL-7145
Technetium-99	U	8.54	pCi/L	13.3	19	RL-7100
Thorium-234	U	-19.6	pCi/L	39.2	34.3	RL-7124
Tritium	U	169	pCi/L	179	293	704R6
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	UY	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	JU	0.01	mg/L		0.01	SW846-8260
Benzene	UY	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene	U	0.001	mg/L		0.001	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L		0.005	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260
<b>WETCHEM</b>						
Chemical Oxygen Demand (COD)	U	35	mg/L		35	EPA-410.4 1978
Cyanide	JU	0.02	mg/L		0.02	SW846-9010-A
Iodide	*U	2	mg/L		2	EPA-345.1 1974

**MW397**

**SG04-02**

**C-746 S&T QUARTERLY - Radium - JANUARY SG04-02**

Total Organic Carbon (TOC)	U	1	mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.01	mg/L	0.01	SW846-9020A

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MW220

SG04-03

C-746 S&T QUARTERLY - APRIL SG04-03

MW220SG3-04

Collected: 4/13/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		37.5	mg/L		2	SW846-9056
Fluoride		0.23	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		14.3	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.8	Inches/Hg			
Conductivity		416	umho/cm			
Depth to Water		54.28	ft			
Dissolved Oxygen		1.05	mg/L			
pH		6.3	Std Unit			
Redox		190	mV			
Temperature		58.3	deg F			
Turbidity		4	NTU			
<b>METAL</b>						
Aluminum	NU	0.2	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Barium		0.184	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	JU	0.2	mg/L		0.2	SW846-6010A
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium	JN	23.8	mg/L		1	SW846-6010A
Chromium	U	0.02	mg/L		0.02	SW846-6020
Cobalt	BU	0.001	mg/L		0.001	SW846-6020
Copper	BU	0.02	mg/L		0.02	SW846-6020
Iron		0.13	mg/L		0.1	SW846-6010A
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		9.7	mg/L		0.025	SW846-6010A
Manganese		0.00707	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	BU	0.005	mg/L		0.005	SW846-6020
Potassium		19.3	mg/L		0.2	SW846-6010A
Rhodium	U	0.005	mg/L		0.005	SW846-6020
Selenium	U	0.005	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		43.2	mg/L		2	SW846-6010A
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	BU	0.002	mg/L		0.002	SW846-6020
Uranium	BU	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	BU	0.02	mg/L		0.02	SW846-6020
<b>METAL-D</b>						
Barium, Dissolved		0.284	mg/L		0.005	SW846-6020
<b>PHYSC</b>						
Dissolved Solids		245	mg/L		40	EPA-160.1
<b>RADS</b>						
Alpha activity	U	-1.06	pCi/L	0.75	7.41	EPA-900.0
Beta activity		33.5	pCi/L	4.18	6.8	EPA-900.0

## MW220

## SG04-03

## C-746 S&amp;T QUARTERLY - APRIL SG04-03

Iodine-131	U	-7.59	pCi/L	15.2	27.7	RL-7124
Strontium-90	U	-0.615	pCi/L	0.103	6.92	RL-7145
Technetium-99	U	3	pCi/L	11.7	16.2	RL-7100
Thorium-234	U	-38.8	pCi/L	77.5	50	RL-7124
Tritium	U	-85.8	pCi/L	175	295	704R6
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	JU	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JU	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	U	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	JU	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	JU	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene	U	0.001	mg/L		0.001	SW846-8260
Trichlorofluoromethane	JU	0.005	mg/L		0.005	SW846-8260
Vinyl acetate	JU	0.01	mg/L		0.01	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260

**MW220**

**SG04-03**

**C-746 S&T QUARTERLY - APRIL SG04-03**

**WETCHEM**

Chemical Oxygen Demand (COD)	BU	35 mg/L	35	EPA-410.4 1978
Cyanide	JU	0.05 mg/L	0.05	SW846-9010-A
Iodide	*U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		2 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.01 mg/L	0.01	SW846-9020A

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MW221

SG04-03

C-746 S&T QUARTERLY - APRIL SG04-03

MW221SG3-04

Collected: 4/13/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		43.3	mg/L		2	SW846-9056
Fluoride		0.2	mg/L		0.1	9214
Nitrate as Nitrogen		1.7	mg/L		1	SW846-9056
Sulfate		12.7	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.83	Inches/Hg			
Conductivity		404	umho/cm			
Depth to Water		63.91	ft			
Dissolved Oxygen		3.38	mg/L			
pH		6.44	Std Unit			
Redox		229	mV			
Temperature		57.5	deg F			
Turbidity		10.7	NTU			
<b>METAL</b>						
Aluminum	NU	0.2	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Barium		0.215	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	JU	0.2	mg/L		0.2	SW846-6010A
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium	JN	23.8	mg/L		1	SW846-6010A
Chromium	U	0.02	mg/L		0.02	SW846-6020
Cobalt		0.00274	mg/L		0.001	SW846-6020
Copper	BU	0.02	mg/L		0.02	SW846-6020
Iron	U	0.1	mg/L		0.1	SW846-6010A
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		10.1	mg/L		0.025	SW846-6010A
Manganese		0.0151	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum		0.00774	mg/L		0.001	SW846-6020
Nickel		0.00506	mg/L		0.005	SW846-6020
Potassium		1.72	mg/L		0.2	SW846-6010A
Rhodium	U	0.005	mg/L		0.005	SW846-6020
Selenium	U	0.005	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		48.3	mg/L		2	SW846-6010A
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	BU	0.002	mg/L		0.002	SW846-6020
Uranium	BU	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	BU	0.02	mg/L		0.02	SW846-6020
<b>METAL-D</b>						
Barium, Dissolved	N	0.251	mg/L		0.005	SW846-6020
<b>PHYSC</b>						
Dissolved Solids		228	mg/L		42	EPA-160.1
<b>RADS</b>						
Alpha activity	U	0.889	pCi/L	0.628	6.79	EPA-900.0
Beta activity		8.65	pCi/L	1.63	6.68	EPA-900.0

## MW221

## SG04-03

## C-746 S&amp;T QUARTERLY - APRIL SG04-03

Iodine-131	U	-5.93	pCi/L	11.9	19.1	RL-7124
Strontium-90	U	-3.06	pCi/L	0.578	6.92	RL-7145
Technetium-99	U	-7.71	pCi/L	0	16.2	RL-7100
Thorium-234	U	-11.3	pCi/L	22.7	43.1	RL-7124
Tritium	U	10.5	pCi/L	177	295	704R6
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	JU	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JU	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	U	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	JU	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	JU	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene	U	0.001	mg/L		0.001	SW846-8260
Trichlorofluoromethane	JU	0.005	mg/L		0.005	SW846-8260
Vinyl acetate	JU	0.01	mg/L		0.01	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260

**MW221**

**SG04-03**

**C-746 S&T QUARTERLY - APRIL SG04-03**

**WETCHEM**

Chemical Oxygen Demand (COD)	BU	35 mg/L	35	EPA-410.4 1978
Cyanide	JU	0.05 mg/L	0.05	SW846-9010-A
Iodide	*U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		1.5 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.01 mg/L	0.01	SW846-9020A

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MW222

SG04-03

C-746 S&T QUARTERLY - APRIL SG04-03

MW222SG3-04

Collected: 4/13/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		40	mg/L		2	SW846-9056
Fluoride		0.37	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		13.7	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.83	Inches/Hg			
Conductivity		427	umho/cm			
Depth to Water		67.91	ft			
Dissolved Oxygen		1.18	mg/L			
pH		6.82	Std Unit			
Redox		244	mV			
Temperature		59.9	deg F			
Turbidity		36.7	NTU			
<b>METAL</b>						
Aluminum		1.36	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Barium		1.02	mg/L		0.05	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	BU	0.2	mg/L		0.2	SW846-6010A
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium	N	20.7	mg/L		1	SW846-6010A
Chromium	U	0.02	mg/L		0.02	SW846-6020
Cobalt		0.0739	mg/L		0.001	SW846-6020
Copper	U	0.02	mg/L		0.02	SW846-6020
Iron		2.2	mg/L		0.1	SW846-6010A
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		9.43	mg/L		0.025	SW846-6010A
Manganese	N	8.09	mg/L		0.05	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum		0.00211	mg/L		0.001	SW846-6020
Nickel		0.0471	mg/L		0.005	SW846-6020
Potassium		0.739	mg/L		0.2	SW846-6010A
Rhodium	U	0.005	mg/L		0.005	SW846-6020
Selenium	X	0.00756	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium	N	45.8	mg/L		2	SW846-6010A
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	BUX	0.002	mg/L		0.002	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	BU	0.02	mg/L		0.02	SW846-6020
<b>METAL-D</b>						
Barium, Dissolved		0.995	mg/L		0.05	SW846-6020
<b>PHYSC</b>						
Dissolved Solids		304	mg/L		42	EPA-160.1
<b>RADS</b>						
Alpha activity	U	-0.462	pCi/L	0.308	9.29	EPA-900.0
Beta activity		7.16	pCi/L	1.38	6.66	EPA-900.0

## MW222

## SG04-03

## C-746 S&amp;T QUARTERLY - APRIL SG04-03

Iodine-131	U	8.44	pCi/L	16.9	28.1	RL-7124
Strontium-90	U	-0.783	pCi/L	0.13	6.78	RL-7145
Technetium-99	U	-0.229	pCi/L	0	16.9	RL-7100
Thorium-234	U	6.65	pCi/L	13.3	44.7	RL-7124
Tritium	U	119	pCi/L	179	295	704R6
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	JU	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JU	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	U	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	JU	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	JU	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene	U	0.001	mg/L		0.001	SW846-8260
Trichlorofluoromethane	JU	0.005	mg/L		0.005	SW846-8260
Vinyl acetate	JU	0.01	mg/L		0.01	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260

**MW222**

**SG04-03**

**C-746 S&T QUARTERLY - APRIL SG04-03**

**WETCHEM**

Chemical Oxygen Demand (COD)	BU	35 mg/L	35	EPA-410.4 1978
Cyanide	JU	0.05 mg/L	0.05	SW846-9010-A
Iodide	*U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		1.9 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.01 mg/L	0.01	SW846-9020A

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MW223

SG04-03

C-746 S&T QUARTERLY - APRIL SG04-03

MW223SG3-04

Collected: 4/13/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		37.7	mg/L		2	SW846-9056
Fluoride		0.25	mg/L		0.1	9214
Nitrate as Nitrogen		1.1	mg/L		1	SW846-9056
Sulfate		12.4	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.83	Inches/Hg			
Conductivity		389	umho/cm			
Depth to Water		67.11	ft			
Dissolved Oxygen		1.96	mg/L			
pH		6.56	Std Unit			
Redox		249	mV			
Temperature		58.7	deg F			
Turbidity		12.3	NTU			
<b>METAL</b>						
Aluminum	N	0.303	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Barium		0.426	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	JU	0.2	mg/L		0.2	SW846-6010A
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium	JN	18.6	mg/L		1	SW846-6010A
Chromium	U	0.02	mg/L		0.02	SW846-6020
Cobalt		0.0178	mg/L		0.001	SW846-6020
Copper	BU	0.02	mg/L		0.02	SW846-6020
Iron		0.622	mg/L		0.1	SW846-6010A
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		7.69	mg/L		0.025	SW846-6010A
Manganese		3	mg/L		0.025	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum		0.0157	mg/L		0.001	SW846-6020
Nickel		0.0494	mg/L		0.005	SW846-6020
Potassium		4.08	mg/L		0.2	SW846-6010A
Rhodium	U	0.005	mg/L		0.005	SW846-6020
Selenium		0.00679	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		41.3	mg/L		2	SW846-6010A
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	BU	0.002	mg/L		0.002	SW846-6020
Uranium	BU	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	BU	0.02	mg/L		0.02	SW846-6020
<b>METAL-D</b>						
Barium, Dissolved	N	0.478	mg/L		0.005	SW846-6020
<b>PHYSC</b>						
Dissolved Solids		223	mg/L		42	EPA-160.1
<b>RADS</b>						
Alpha activity	U	0.689	pCi/L	0.487	7.02	EPA-900.0
Beta activity		11.6	pCi/L	2.04	6.73	EPA-900.0

## MW223

## SG04-03

## C-746 S&amp;T QUARTERLY - APRIL SG04-03

Iodine-131	U	-4.72	pCi/L	9.44	19.1	RL-7124
Strontium-90	U	-1.12	pCi/L	0.192	6.92	RL-7145
Technetium-99	U	-10.1	pCi/L	0	16.2	RL-7100
Thorium-234	U	5.65	pCi/L	11.3	45.7	RL-7124
Tritium	U	-163	pCi/L	173	295	704R6
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	JU	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JU	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	U	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	JU	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	JU	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene	U	0.001	mg/L		0.001	SW846-8260
Trichlorofluoromethane	JU	0.005	mg/L		0.005	SW846-8260
Vinyl acetate	JU	0.01	mg/L		0.01	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260



**MW223**

**SG04-03**

**C-746 S&T QUARTERLY - APRIL SG04-03**

**WETCHEM**

Chemical Oxygen Demand (COD)	BU	35 mg/L	35	EPA-410.4 1978
Cyanide	JU	0.05 mg/L	0.05	SW846-9010-A
Iodide	*U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		2 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.01 mg/L	0.01	SW846-9020A

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**MW224**

**SG04-03**

**C-746 S&T QUARTERLY - APRIL SG04-03**

**MW224SG3-04**

Collected: 4/13/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		40.2	mg/L		2	SW846-9056
Fluoride		0.28	mg/L		0.1	9214
Nitrate as Nitrogen		1.3	mg/L		1	SW846-9056
Sulfate		16	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.83	Inches/Hg			
Conductivity		482	umho/cm			
Depth to Water		68.31	ft			
Dissolved Oxygen		2.66	mg/L			
pH		6.7	Std Unit			
Redox		208	mV			
Temperature		52.9	deg F			
Turbidity		4.9	NTU			
<b>METAL</b>						
Aluminum	NU	0.2	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Barium		0.435	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	JU	0.2	mg/L		0.2	SW846-6010A
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium	JN	31.4	mg/L		1	SW846-6010A
Chromium	U	0.02	mg/L		0.02	SW846-6020
Cobalt		0.0337	mg/L		0.001	SW846-6020
Copper	BU	0.02	mg/L		0.02	SW846-6020
Iron	U	0.1	mg/L		0.1	SW846-6010A
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		13.2	mg/L		0.025	SW846-6010A
Manganese		2.16	mg/L		0.025	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel		0.0131	mg/L		0.005	SW846-6020
Potassium		1.02	mg/L		0.2	SW846-6010A
Rhodium	U	0.005	mg/L		0.005	SW846-6020
Selenium		0.00519	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		54.6	mg/L		2	SW846-6010A
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	BU	0.002	mg/L		0.002	SW846-6020
Uranium	BU	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	BU	0.02	mg/L		0.02	SW846-6020
<b>METAL-D</b>						
Barium, Dissolved	N	0.43	mg/L		0.005	SW846-6020
<b>PHYSC</b>						
Dissolved Solids		271	mg/L		42	EPA-160.1
<b>RADS</b>						
Alpha activity	U	4.1	pCi/L	2.27	7.69	EPA-900.0
Beta activity		6.95	pCi/L	1.38	6.85	EPA-900.0

## MW224

## SG04-03

## C-746 S&amp;T QUARTERLY - APRIL SG04-03

Iodine-131	U	-4.27	pCi/L	8.53	18.1	RL-7124
Strontium-90	U	-0.396	pCi/L	0.0658	6.92	RL-7145
Technetium-99	U	-7.92	pCi/L	0	16.2	RL-7100
Thorium-234	U	-5.47	pCi/L	10.9	41.4	RL-7124
Tritium	U	94.2	pCi/L	178	295	704R6
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	JU	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JU	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	U	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	JU	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	JU	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene	X	0.001	mg/L		0.001	SW846-8260
Trichlorofluoromethane	JU	0.005	mg/L		0.005	SW846-8260
Vinyl acetate	JU	0.01	mg/L		0.01	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260

**MW224**

**SG04-03**

**C-746 S&T QUARTERLY - APRIL SG04-03**

**WETCHEM**

Chemical Oxygen Demand (COD)	BU	35 mg/L	35	EPA-410.4 1978
Cyanide	JU	0.05 mg/L	0.05	SW846-9010-A
Iodide	*U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		2.6 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.01 mg/L	0.01	SW846-9020A

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**MW384**

**SG04-03**

**C-746 S&T QUARTERLY - APRIL SG04-03**

**MW384SG3-04**

Collected: 4/13/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		68.2	mg/L		10	SW846-9056
Fluoride		0.35	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		21.8	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.83	Inches/Hg			
Conductivity		731	umho/cm			
Depth to Water		38.15	ft			
Dissolved Oxygen		1.33	mg/L			
pH		6.8	Std Unit			
Redox		-39	mV			
Temperature		54.6	deg F			
Turbidity		3.4	NTU			
<b>METAL</b>						
Aluminum	NU	0.2	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic		0.0111	mg/L		0.01	SW846-6020
Barium		0.28	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	JU	0.2	mg/L		0.2	SW846-6010A
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium	JN	31.9	mg/L		1	SW846-6010A
Chromium	U	0.02	mg/L		0.02	SW846-6020
Cobalt	BU	0.001	mg/L		0.001	SW846-6020
Copper	BU	0.02	mg/L		0.02	SW846-6020
Iron		9.76	mg/L		0.1	SW846-6010A
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		11.8	mg/L		0.025	SW846-6010A
Manganese		0.941	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	BU	0.005	mg/L		0.005	SW846-6020
Potassium		1.6	mg/L		0.2	SW846-6010A
Rhodium	U	0.005	mg/L		0.005	SW846-6020
Selenium		0.00516	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		94.2	mg/L		2	SW846-6010A
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	BU	0.002	mg/L		0.002	SW846-6020
Uranium	BU	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	BU	0.02	mg/L		0.02	SW846-6020
<b>METAL-D</b>						
Barium, Dissolved	N	0.264	mg/L		0.005	SW846-6020
<b>PHYSC</b>						
Dissolved Solids		396	mg/L		43	EPA-160.1
<b>RADS</b>						
Alpha activity	U	-0.105	pCi/L	0.0701	11.1	EPA-900.0

**MW384****SG04-03****C-746 S&T QUARTERLY - APRIL SG04-03**

Beta activity		30.6	pCi/L	4.07	7.35	EPA-900.0
Iodine-131	U	0.939	pCi/L	1.88	18.4	RL-7124
Strontium-90	U	1.34	pCi/L	0.207	6.92	RL-7145
Technetium-99	U	16.3	pCi/L	12.2	16.9	RL-7100
Thorium-234	U	5.76	pCi/L	11.5	49.5	RL-7124
Tritium	U	8.37	pCi/L	177	295	704R6
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	JU	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JU	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	U	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	JU	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	JU	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene	X	0.001	mg/L		0.001	SW846-8260
Trichlorofluoromethane	JU	0.005	mg/L		0.005	SW846-8260
Vinyl acetate	JU	0.01	mg/L		0.01	SW846-8260

**MW384**

**SG04-03**

**C-746 S&T QUARTERLY - APRIL SG04-03**

Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	35 mg/L	35	EPA-410.4 1978
Cyanide	JU	0.05 mg/L	0.05	SW846-9010-A
Iodide	*U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		8.6 mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.184 mg/L	0.01	SW846-9020A

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**MW385**

**SG04-03**

**C-746 S&T QUARTERLY - APRIL SG04-03**

**MW385SG3-04**

Collected: 4/13/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		30.5	mg/L		2	SW846-9056
Fluoride		0.36	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		18.6	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.83	Inches/Hg			
Conductivity		475	umho/cm			
Depth to Water		38.56	ft			
Dissolved Oxygen		1.69	mg/L			
pH		7.1	Std Unit			
Redox		123	mV			
Temperature		56.4	deg F			
Turbidity		2.8	NTU			
<b>METAL</b>						
Aluminum	NU	0.2	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Barium		0.188	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	JU	0.2	mg/L		0.2	SW846-6010A
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium	JN	33.2	mg/L		1	SW846-6010A
Chromium	U	0.02	mg/L		0.02	SW846-6020
Cobalt	BU	0.001	mg/L		0.001	SW846-6020
Copper	BU	0.02	mg/L		0.02	SW846-6020
Iron		0.104	mg/L		0.1	SW846-6010A
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		9.34	mg/L		0.025	SW846-6010A
Manganese		0.00716	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	BU	0.005	mg/L		0.005	SW846-6020
Potassium		1.81	mg/L		0.2	SW846-6010A
Rhodium	U	0.005	mg/L		0.005	SW846-6020
Selenium	U	0.005	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		38.6	mg/L		2	SW846-6010A
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	BU	0.002	mg/L		0.002	SW846-6020
Uranium	BU	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	BU	0.02	mg/L		0.02	SW846-6020
<b>METAL-D</b>						
Barium, Dissolved		0.186	mg/L		0.005	SW846-6020
<b>PHYSC</b>						
Dissolved Solids		266	mg/L		44	EPA-160.1
<b>RADS</b>						
Alpha activity		7.07	pCi/L	2.29	6.78	EPA-900.0
Beta activity		130	pCi/L	9.04	6.68	EPA-900.0



## MW385

## SG04-03

## C-746 S&amp;T QUARTERLY - APRIL SG04-03

Iodine-131	U	5.09	pCi/L	10.2	24.5	RL-7124
Strontium-90	U	-2.17	pCi/L	0.392	6.92	RL-7145
Technetium-99		132	pCi/L	15.8	16.9	RL-7100
Thorium-234	U	4.63	pCi/L	9.26	50	RL-7124
Tritium	U	-20.9	pCi/L	176	295	704R6
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	JU	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JU	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	U	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	JU	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	JU	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene	U	0.001	mg/L		0.001	SW846-8260
Trichlorofluoromethane	JU	0.005	mg/L		0.005	SW846-8260
Vinyl acetate	JU	0.01	mg/L		0.01	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260

**MW385**

**SG04-03**

**C-746 S&T QUARTERLY - APRIL SG04-03**

**WETCHEM**

Chemical Oxygen Demand (COD)	U	35 mg/L	35	EPA-410.4 1978
Cyanide	JU	0.05 mg/L	0.05	SW846-9010-A
Iodide	*U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		1.8 mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.0178 mg/L	0.01	SW846-9020A

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**MW386**

**SG04-03**

**C-746 S&T QUARTERLY - APRIL SG04-03**

**MW386SG3-04**

Collected: 4/13/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		33.8	mg/L		2	SW846-9056
Fluoride		0.36	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		15.3	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.83	Inches/Hg			
Conductivity		596	umho/cm			
Depth to Water		21.29	ft			
Dissolved Oxygen		1.92	mg/L			
pH		6.9	Std Unit			
Redox		78	mV			
Temperature		55.8	deg F			
Turbidity		23.2	NTU			
<b>METAL</b>						
Aluminum	NU	0.2	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Barium		0.0611	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	JU	0.2	mg/L		0.2	SW846-6010A
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium	JN	24.2	mg/L		1	SW846-6010A
Chromium	U	0.1	mg/L		0.1	SW846-6020
Cobalt	BU	0.005	mg/L		0.005	SW846-6020
Copper	BU	0.1	mg/L		0.1	SW846-6020
Iron		2.89	mg/L		0.1	SW846-6010A
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		9.82	mg/L		0.025	SW846-6010A
Manganese		0.337	mg/L		0.025	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum		0.00112	mg/L		0.001	SW846-6020
Nickel	BU	0.025	mg/L		0.025	SW846-6020
Potassium		0.664	mg/L		0.2	SW846-6010A
Rhodium	U	0.005	mg/L		0.005	SW846-6020
Selenium	U	0.005	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		104	mg/L		2	SW846-6010A
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	BU	0.002	mg/L		0.002	SW846-6020
Uranium	BU	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.1	mg/L		0.1	SW846-6020
Zinc	BU	0.1	mg/L		0.1	SW846-6020
<b>METAL-D</b>						
Barium, Dissolved	N	0.0724	mg/L		0.005	SW846-6020
<b>PHYSC</b>						
Dissolved Solids		372	mg/L		44	EPA-160.1
<b>RADS</b>						
Alpha activity	U	4.43	pCi/L	2.67	10.2	EPA-900.0
Beta activity	U	2.02	pCi/L	0.472	7.23	EPA-900.0

## MW386

## SG04-03

## C-746 S&amp;T QUARTERLY - APRIL SG04-03

Iodine-131	U	-5.95	pCi/L	11.9	23	RL-7124
Strontium-90	U	-1.56	pCi/L	0.274	6.92	RL-7145
Technetium-99	U	5.38	pCi/L	11.8	16.9	RL-7100
Thorium-234	U	4.7	pCi/L	9.4	37.4	RL-7124
Tritium	U	71.2	pCi/L	178	295	704R6
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	JU	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JU	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	U	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	JU	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	JU	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene	U	0.001	mg/L		0.001	SW846-8260
Trichlorofluoromethane	JU	0.005	mg/L		0.005	SW846-8260
Vinyl acetate	JU	0.01	mg/L		0.01	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260

**MW386**

**SG04-03**

**C-746 S&T QUARTERLY - APRIL SG04-03**

**WETCHEM**

Chemical Oxygen Demand (COD)	U	35 mg/L	35	EPA-410.4 1978
Cyanide	JU	0.05 mg/L	0.05	SW846-9010-A
Iodide	*U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		12 mg/L	2	SW846-9060
Total Organic Halides (TOX)		0.257 mg/L	0.01	SW846-9020A

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**MW387**

**SG04-03**

**C-746 S&T QUARTERLY - APRIL SG04-03**

**MW387SG3-04**

Collected: 4/12/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		50	mg/L		2	SW846-9056
Fluoride		0.87	mg/L		0.1	9214
Nitrate as Nitrogen		1.6	mg/L		1	SW846-9056
Sulfate		27.6	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.83	Inches/Hg			
Conductivity		520	umho/cm			
Depth to Water		36.38	ft			
Dissolved Oxygen		4.38	mg/L			
pH		6.4	Std Unit			
Redox		189	mV			
Temperature		52.7	deg F			
Turbidity		2.9	NTU			
<b>METAL</b>						
Aluminum	NU	0.2	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Barium		0.2	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6010A
Cadmium	BU	0.001	mg/L		0.001	SW846-6020
Calcium	JN	34.3	mg/L		1	SW846-6010A
Chromium	U	0.02	mg/L		0.02	SW846-6020
Cobalt	BU	0.001	mg/L		0.001	SW846-6020
Copper	BU	0.02	mg/L		0.02	SW846-6020
Iron		0.104	mg/L		0.1	SW846-6010A
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		13.9	mg/L		0.025	SW846-6010A
Manganese		0.0916	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	BU	0.005	mg/L		0.005	SW846-6020
Potassium		1.99	mg/L		0.2	SW846-6010A
Rhodium	U	0.005	mg/L		0.005	SW846-6020
Selenium		0.00627	mg/L		0.005	SW846-6020
Silver	U	0.001	mg/L		0.001	SW846-6020
Sodium		51.4	mg/L		2	SW846-6010A
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	BU	0.002	mg/L		0.002	SW846-6020
Uranium	BU	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	BU	0.02	mg/L		0.02	SW846-6020
<b>METAL-D</b>						
Barium, Dissolved	N	0.191	mg/L		0.005	SW846-6020
<b>PHYSC</b>						
Dissolved Solids		295	mg/L		43	EPA-160.1
<b>RADS</b>						
Alpha activity	U	7.97	pCi/L	2.73	8.3	EPA-900.0
Beta activity		115	pCi/L	8.61	6.95	EPA-900.0

## MW387

## SG04-03

## C-746 S&amp;T QUARTERLY - APRIL SG04-03

Iodine-131	U	1.1	pCi/L	2.2	30	RL-7124
Strontium-90	U	-4.3	pCi/L	0.86	6.92	RL-7145
Technetium-99		113	pCi/L	15	16.2	RL-7100
Thorium-234	U	-18.7	pCi/L	37.4	44.3	RL-7124
Tritium	U	-16.7	pCi/L	176	295	704R6
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	JU	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JU	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	U	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	JU	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	JU	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene	X	0.001	mg/L		0.001	SW846-8260
Trichlorofluoromethane	JU	0.005	mg/L		0.005	SW846-8260
Vinyl acetate	JU	0.01	mg/L		0.01	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260

**MW387**

**SG04-03**

**C-746 S&T QUARTERLY - APRIL SG04-03**

**WETCHEM**

Chemical Oxygen Demand (COD)	U	35 mg/L	35	EPA-410.4 1978
Cyanide	JU	0.05 mg/L	0.05	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	B	1.9 mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.0111 mg/L	0.01	SW846-9020A

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**MW388**

**SG04-03**

**C-746 S&T QUARTERLY - APRIL SG04-03**

**MW388SG3-04**

Collected: 4/12/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		41.5	mg/L		2	SW846-9056
Fluoride		0.32	mg/L		0.1	9214
Nitrate as Nitrogen		1.8	mg/L		1	SW846-9056
Sulfate		16.6	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.83	Inches/Hg			
Conductivity		420	umho/cm			
Depth to Water		36.33	ft			
Dissolved Oxygen		5.24	mg/L			
pH		6.4	Std Unit			
Redox		134	mV			
Temperature		56.2	deg F			
Turbidity		2.6	NTU			
<b>METAL</b>						
Aluminum	NU	0.2	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Barium		0.205	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6010A
Cadmium	BU	0.001	mg/L		0.001	SW846-6020
Calcium	JN	25.6	mg/L		1	SW846-6010A
Chromium	U	0.02	mg/L		0.02	SW846-6020
Cobalt	BU	0.001	mg/L		0.001	SW846-6020
Copper	BU	0.02	mg/L		0.02	SW846-6020
Iron	U	0.1	mg/L		0.1	SW846-6010A
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		10.8	mg/L		0.025	SW846-6010A
Manganese	U	0.005	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	BU	0.005	mg/L		0.005	SW846-6020
Potassium		1.9	mg/L		0.2	SW846-6010A
Rhodium	U	0.005	mg/L		0.005	SW846-6020
Selenium		0.00521	mg/L		0.005	SW846-6020
Silver	U	0.001	mg/L		0.001	SW846-6020
Sodium		42.8	mg/L		2	SW846-6010A
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	BU	0.002	mg/L		0.002	SW846-6020
Uranium	BU	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	BU	0.02	mg/L		0.02	SW846-6020
<b>METAL-D</b>						
Barium, Dissolved	N	0.199	mg/L		0.005	SW846-6020
<b>PHYSC</b>						
Dissolved Solids		235	mg/L		40	EPA-160.1
<b>RADS</b>						
Alpha activity	U	4.57	pCi/L	1.95	6.56	EPA-900.0
Beta activity		52.5	pCi/L	5.43	6.64	EPA-900.0

## MW388

## SG04-03

## C-746 S&amp;T QUARTERLY - APRIL SG04-03

Iodine-131	U	-0.0009	pCi/L	0.0018	21.9	RL-7124
Strontium-90	U	-2.47	pCi/L	0.449	6.92	RL-7145
Technetium-99		52.6	pCi/L	13.3	16.2	RL-7100
Thorium-234	U	-1.77	pCi/L	3.54	50	RL-7124
Tritium	U	-56.5	pCi/L	175	295	704R6
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	JU	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JU	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	U	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	JU	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	JU	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene	U	0.001	mg/L		0.001	SW846-8260
Trichlorofluoromethane	JU	0.005	mg/L		0.005	SW846-8260
Vinyl acetate	JU	0.01	mg/L		0.01	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260

**MW388**

**SG04-03**

**C-746 S&T QUARTERLY - APRIL SG04-03**

**WETCHEM**

Chemical Oxygen Demand (COD)	U	35 mg/L	35	EPA-410.4 1978
Cyanide	*JU	0.05 mg/L	0.05	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		1.6 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.01 mg/L	0.01	SW846-9020A

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## MW390

## SG04-03

## C-746 S&amp;T QUARTERLY - APRIL SG04-03

## MW390SG3-04

Collected: 4/12/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide		2.5	mg/L		1	SW846-9056
Chloride		284	mg/L		20	SW846-9056
Fluoride		0.23	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		6.7	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.83	Inches/Hg			
Conductivity		1251	umho/cm			
Depth to Water		33.48	ft			
Dissolved Oxygen		2.56	mg/L			
pH		6.5	Std Unit			
Redox		234	mV			
Temperature		54.7	deg F			
Turbidity		6.6	NTU			
<b>METAL</b>						
Aluminum	N	0.503	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Barium		0.579	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6010A
Cadmium	BU	0.001	mg/L		0.001	SW846-6020
Calcium	JN	76.8	mg/L		1	SW846-6010A
Chromium	U	0.02	mg/L		0.02	SW846-6020
Cobalt		0.00202	mg/L		0.001	SW846-6020
Copper	BU	0.02	mg/L		0.02	SW846-6020
Iron		0.301	mg/L		0.1	SW846-6010A
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		29.6	mg/L		0.025	SW846-6010A
Manganese		0.0123	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum		0.0038	mg/L		0.001	SW846-6020
Nickel		0.0164	mg/L		0.005	SW846-6020
Potassium		0.676	mg/L		0.2	SW846-6010A
Rhodium	U	0.005	mg/L		0.005	SW846-6020
Selenium		0.0113	mg/L		0.005	SW846-6020
Silver	U	0.001	mg/L		0.001	SW846-6020
Sodium		129	mg/L		2	SW846-6010A
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	BU	0.002	mg/L		0.002	SW846-6020
Uranium	BU	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	BU	0.02	mg/L		0.02	SW846-6020
<b>METAL-D</b>						
Barium, Dissolved	N	0.566	mg/L		0.005	SW846-6020
<b>PHYSC</b>						
Dissolved Solids		676	mg/L		42	EPA-160.1
<b>RADS</b>						
Alpha activity	U	8.62	pCi/L	4.06	16.2	EPA-900.0
Beta activity		83.9	pCi/L	9.67	13.8	EPA-900.0

## MW390

## SG04-03

## C-746 S&amp;T QUARTERLY - APRIL SG04-03

Iodine-131	U	2.62	pCi/L	5.24	21.7	RL-7124
Strontium-90	U	-1.94	pCi/L	0.344	6.92	RL-7145
Technetium-99		90.7	pCi/L	14.4	16.2	RL-7100
Thorium-234	U	6.76	pCi/L	13.5	48.7	RL-7124
Tritium	U	-113	pCi/L	174	295	704R6
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	JU	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JU	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	U	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	JU	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	JU	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene	U	0.001	mg/L		0.001	SW846-8260
Trichlorofluoromethane	JU	0.005	mg/L		0.005	SW846-8260
Vinyl acetate	JU	0.01	mg/L		0.01	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260

**MW390**

**SG04-03**

**C-746 S&T QUARTERLY - APRIL SG04-03**

**WETCHEM**

Chemical Oxygen Demand (COD)	U	35	mg/L	35	EPA-410.4 1978
Cyanide	*JU	0.05	mg/L	0.05	SW846-9010-A
Iodide	U	2	mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		3.1	mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.01	mg/L	0.01	SW846-9020A

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MW391

SG04-03

C-746 S&T QUARTERLY - APRIL SG04-03

MW391SG3-04

Collected: 4/13/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		42.8	mg/L		2	SW846-9056
Fluoride		0.16	mg/L		0.1	9214
Nitrate as Nitrogen		1	mg/L		1	SW846-9056
Sulfate		8.7	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.8	Inches/Hg			
Conductivity		353	umho/cm			
Depth to Water		39.6	ft			
Dissolved Oxygen		4.12	mg/L			
pH		6.18	Std Unit			
Redox		114	mV			
Temperature		57.6	deg F			
Turbidity		84	NTU			
<b>METAL</b>						
Aluminum	N	0.607	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Barium		0.239	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6010A
Cadmium	BU	0.001	mg/L		0.001	SW846-6020
Calcium	JN	24.4	mg/L		1	SW846-6010A
Chromium	U	0.02	mg/L		0.02	SW846-6020
Cobalt	BU	0.001	mg/L		0.001	SW846-6020
Copper	BU	0.02	mg/L		0.02	SW846-6020
Iron		3.03	mg/L		0.1	SW846-6010A
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		9.71	mg/L		0.025	SW846-6010A
Manganese		0.036	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	BU	0.005	mg/L		0.005	SW846-6020
Potassium		1.5	mg/L		0.2	SW846-6010A
Rhodium	U	0.005	mg/L		0.005	SW846-6020
Selenium		0.00555	mg/L		0.005	SW846-6020
Silver	U	0.001	mg/L		0.001	SW846-6020
Sodium		31.2	mg/L		2	SW846-6010A
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	BU	0.002	mg/L		0.002	SW846-6020
Uranium	BU	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	BU	0.02	mg/L		0.02	SW846-6020
<b>METAL-D</b>						
Barium, Dissolved	N	0.225	mg/L		0.005	SW846-6020
<b>PHYSC</b>						
Dissolved Solids		199	mg/L		40	EPA-160.1
<b>RADS</b>						
Alpha activity	U	2.42	pCi/L	1.46	6.23	EPA-900.0
Beta activity	U	6	pCi/L	1.21	6.57	EPA-900.0

## MW391

## SG04-03

## C-746 S&amp;T QUARTERLY - APRIL SG04-03

Iodine-131	U	-4.01	pCi/L	8.02	17.9	RL-7124
Strontium-90	U	-1.24	pCi/L	0.213	6.92	RL-7145
Technetium-99	U	-7.6	pCi/L	0	16.2	RL-7100
Thorium-234	U	9.47	pCi/L	18.9	45.1	RL-7124
Tritium	U	67	pCi/L	178	295	704R6
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	JU	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JU	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	U	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	JU	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	JU	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene		0.014	mg/L		0.001	SW846-8260
Trichlorofluoromethane	JU	0.005	mg/L		0.005	SW846-8260
Vinyl acetate	JU	0.01	mg/L		0.01	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260



**MW391**

**SG04-03**

**C-746 S&T QUARTERLY - APRIL SG04-03**

**WETCHEM**

Chemical Oxygen Demand (COD)	BU	35	mg/L	35	EPA-410.4 1978
Cyanide	JU	0.05	mg/L	0.05	SW846-9010-A
Iodide	*U	2	mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		1.3	mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.0147	mg/L	0.01	SW846-9020A

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**MW392**

**SG04-03**

**C-746 S&T QUARTERLY - APRIL SG04-03**

**MW392SG3-04**

Collected: 4/13/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		44.9	mg/L		2	SW846-9056
Fluoride		0.24	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		8	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.8	Inches/Hg			
Conductivity		461	umho/cm			
Depth to Water		38.74	ft			
Dissolved Oxygen		1.16	mg/L			
pH		6.63	Std Unit			
Redox		62	mV			
Temperature		56	deg F			
Turbidity		2.5	NTU			
<b>METAL</b>						
Aluminum	JNU	0.2	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Barium		0.212	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6010A
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium	JN	24.8	mg/L		1	SW846-6010A
Chromium	U	0.02	mg/L		0.02	SW846-6020
Cobalt	BU	0.001	mg/L		0.001	SW846-6020
Copper	BU	0.02	mg/L		0.02	SW846-6020
Iron		5.2	mg/L		0.1	SW846-6010A
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		9.12	mg/L		0.025	SW846-6010A
Manganese		0.748	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	BU	0.005	mg/L		0.005	SW846-6020
Potassium		2.01	mg/L		0.2	SW846-6010A
Rhodium	U	0.005	mg/L		0.005	SW846-6020
Selenium	U	0.005	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		59.2	mg/L		2	SW846-6010A
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	BU	0.002	mg/L		0.002	SW846-6020
Uranium	BU	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	BU	0.02	mg/L		0.02	SW846-6020
<b>METAL-D</b>						
Barium, Dissolved	N	0.209	mg/L		0.005	SW846-6020
<b>PHYSC</b>						
Dissolved Solids		246	mg/L		40	EPA-160.1
<b>RADS</b>						
Alpha activity	U	4.11	pCi/L	2.37	8.54	EPA-900.0
Beta activity	U	4.79	pCi/L	1.02	6.99	EPA-900.0

## MW392

## SG04-03

## C-746 S&amp;T QUARTERLY - APRIL SG04-03

Iodine-131	U	-3.27	pCi/L	6.54	17.7	RL-7124
Strontium-90	U	-3.69	pCi/L	0.719	6.92	RL-7145
Technetium-99	U	-6.64	pCi/L	0	16.2	RL-7100
Thorium-234	U	2.46	pCi/L	4.93	44.9	RL-7124
Tritium	U	41.9	pCi/L	177	295	704R6
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	JU	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JU	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	U	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	JU	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	JU	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene		0.01	mg/L		0.001	SW846-8260
Trichlorofluoromethane	JU	0.005	mg/L		0.005	SW846-8260
Vinyl acetate	JU	0.01	mg/L		0.01	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260

**MW392**

**SG04-03**

**C-746 S&T QUARTERLY - APRIL SG04-03**

**WETCHEM**

Chemical Oxygen Demand (COD)	BU	35 mg/L	35	EPA-410.4 1978
Cyanide	JU	0.05 mg/L	0.05	SW846-9010-A
Iodide	*U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		4 mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.0793 mg/L	0.01	SW846-9020A

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**MW393**

**SG04-03**

**C-746 S&T QUARTERLY - APRIL SG04-03**

**MW393SG3-04**

Collected: 4/13/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		22	mg/L		2	SW846-9056
Fluoride		0.23	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate	U	5	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.8	Inches/Hg			
Conductivity		555	umho/cm			
Depth to Water		25.54	ft			
Dissolved Oxygen		0.96	mg/L			
pH		6.45	Std Unit			
Redox		-22	mV			
Temperature		56.8	deg F			
Turbidity		4.9	NTU			
<b>METAL</b>						
Aluminum	NU	0.2	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Barium		0.107	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	JU	0.2	mg/L		0.2	SW846-6010A
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium	JN	15.2	mg/L		1	SW846-6010A
Chromium	U	0.02	mg/L		0.02	SW846-6020
Cobalt	BU	0.001	mg/L		0.001	SW846-6020
Copper	BU	0.02	mg/L		0.02	SW846-6020
Iron		6.28	mg/L		0.1	SW846-6010A
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		4.73	mg/L		0.025	SW846-6010A
Manganese		0.0554	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	BU	0.005	mg/L		0.005	SW846-6020
Potassium		0.514	mg/L		0.2	SW846-6010A
Rhodium	U	0.005	mg/L		0.005	SW846-6020
Selenium	U	0.005	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		112	mg/L		2	SW846-6010A
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	BU	0.002	mg/L		0.002	SW846-6020
Uranium	BU	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	BU	0.02	mg/L		0.02	SW846-6020
<b>METAL-D</b>						
Barium, Dissolved	N	0.11	mg/L		0.005	SW846-6020
<b>PHYSC</b>						
Dissolved Solids		344	mg/L		42	EPA-160.1
<b>RADS</b>						
Alpha activity	U	5.24	pCi/L	3.02	10.4	EPA-900.0
Beta activity	U	2.95	pCi/L	0.668	7.26	EPA-900.0

## MW393

## SG04-03

## C-746 S&amp;T QUARTERLY - APRIL SG04-03

Iodine-131	U	-7.01	pCi/L	14	18.1	RL-7124
Strontium-90	U	-3.65	pCi/L	0.713	6.92	RL-7145
Technetium-99	U	-11.8	pCi/L	0	16.2	RL-7100
Thorium-234	U	14.3	pCi/L	28.5	47.7	RL-7124
Tritium	U	67	pCi/L	178	295	704R6
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	JU	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JU	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	U	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	JU	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	JU	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene	U	0.001	mg/L		0.001	SW846-8260
Trichlorofluoromethane	JU	0.005	mg/L		0.005	SW846-8260
Vinyl acetate	JU	0.01	mg/L		0.01	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260

**MW393**

**SG04-03**

**C-746 S&T QUARTERLY - APRIL SG04-03**

**WETCHEM**

Chemical Oxygen Demand (COD)	U	35 mg/L	35	EPA-410.4 1978
Cyanide	JU	0.05 mg/L	0.05	SW846-9010-A
Iodide	*U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		13 mg/L	3	SW846-9060
Total Organic Halides (TOX)		0.196 mg/L	0.01	SW846-9020A

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**MW394**

**SG04-03**

**C-746 S&T QUARTERLY - APRIL SG04-03**

**MW394SG3-04**

Collected: 4/12/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		52.9	mg/L		10	SW846-9056
Fluoride		0.2	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		8.7	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.83	Inches/Hg			
Conductivity		402	umho/cm			
Depth to Water		50.19	ft			
Dissolved Oxygen		3.38	mg/L			
pH		6.36	Std Unit			
Redox		251	mV			
Temperature		57.3	deg F			
Turbidity		6.4	NTU			
<b>METAL</b>						
Aluminum	NU	0.2	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Barium		0.262	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6010A
Cadmium	BU	0.001	mg/L		0.001	SW846-6020
Calcium	JN	30.9	mg/L		1	SW846-6010A
Chromium	U	0.02	mg/L		0.02	SW846-6020
Cobalt	BU	0.001	mg/L		0.001	SW846-6020
Copper	BU	0.02	mg/L		0.02	SW846-6020
Iron		0.319	mg/L		0.1	SW846-6010A
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		12.3	mg/L		0.025	SW846-6010A
Manganese		0.0582	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	BU	0.005	mg/L		0.005	SW846-6020
Potassium		1.14	mg/L		0.2	SW846-6010A
Rhodium	U	0.005	mg/L		0.005	SW846-6020
Selenium		0.00597	mg/L		0.005	SW846-6020
Silver	U	0.001	mg/L		0.001	SW846-6020
Sodium		32.4	mg/L		2	SW846-6010A
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	BU	0.002	mg/L		0.002	SW846-6020
Uranium	BU	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	BU	0.02	mg/L		0.02	SW846-6020
<b>METAL-D</b>						
Barium, Dissolved	N	0.24	mg/L		0.005	SW846-6020
<b>PHYSC</b>						
Dissolved Solids		226	mg/L		40	EPA-160.1
<b>RADS</b>						
Alpha activity	U	2.52	pCi/L	1.52	6.39	EPA-900.0
Beta activity	U	5.53	pCi/L	1.13	6.6	EPA-900.0



## MW394

## SG04-03

## C-746 S&amp;T QUARTERLY - APRIL SG04-03

Iodine-131	U	0.397	pCi/L	0.795	14.3	RL-7124
Strontium-90	U	-3.6	pCi/L	0.686	6.92	RL-7145
Technetium-99	U	-4.44	pCi/L	0	16.2	RL-7100
Thorium-234	U	-21.4	pCi/L	42.7	45.6	RL-7124
Tritium	U	-58.6	pCi/L	175	295	704R6
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	JU	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JU	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	U	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	JU	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	JU	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene		0.021	mg/L		0.001	SW846-8260
Trichlorofluoromethane	JU	0.005	mg/L		0.005	SW846-8260
Vinyl acetate	JU	0.01	mg/L		0.01	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260

**MW394**

**SG04-03**

**C-746 S&T QUARTERLY - APRIL SG04-03**

**WETCHEM**

Chemical Oxygen Demand (COD)	U	35 mg/L	35	EPA-410.4 1978
Cyanide	*JU	0.05 mg/L	0.05	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		1.5 mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.0207 mg/L	0.01	SW846-9020A

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**MW394**

**SG04-03**

**C-746 S&T QUARTERLY - APRIL SG04-03**

**MW394DSG3-04**

Collected: 4/12/2004

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		52.8	mg/L		10	SW846-9056
Fluoride		0.16	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		8.7	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.83	Inches/Hg			
Conductivity		402	umho/cm			
Depth to Water		50.19	ft			
Dissolved Oxygen		3.38	mg/L			
pH		6.36	Std Unit			
Redox		251	mV			
Temperature		57.3	deg F			
Turbidity		6.4	NTU			
<b>METAL</b>						
Aluminum	NU	0.2	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Barium		0.235	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6010A
Cadmium	BU	0.001	mg/L		0.001	SW846-6020
Calcium	JN	28.3	mg/L		1	SW846-6010A
Chromium	U	0.02	mg/L		0.02	SW846-6020
Cobalt	BU	0.001	mg/L		0.001	SW846-6020
Copper	BU	0.02	mg/L		0.02	SW846-6020
Iron		0.358	mg/L		0.1	SW846-6010A
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		11.3	mg/L		0.025	SW846-6010A
Manganese		0.11	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	BU	0.005	mg/L		0.005	SW846-6020
Potassium		0.934	mg/L		0.2	SW846-6010A
Rhodium	U	0.005	mg/L		0.005	SW846-6020
Selenium		0.00625	mg/L		0.005	SW846-6020
Silver	U	0.001	mg/L		0.001	SW846-6020
Sodium		34.1	mg/L		2	SW846-6010A
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	BU	0.002	mg/L		0.002	SW846-6020
Uranium	BU	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	BU	0.02	mg/L		0.02	SW846-6020
<b>METAL-D</b>						
Barium, Dissolved	N	0.255	mg/L		0.005	SW846-6020
<b>PHYSC</b>						
Dissolved Solids		231	mg/L		40	EPA-160.1
<b>RADS</b>						
Alpha activity	U	0.171	pCi/L	0.139	6.47	EPA-900.0
Beta activity	U	4.37	pCi/L	0.931	6.62	EPA-900.0

## MW394

## SG04-03

## C-746 S&amp;T QUARTERLY - APRIL SG04-03

Iodine-131	U	-1.8	pCi/L	3.6	19.3	RL-7124
Strontium-90	U	-5.04	pCi/L	1.05	6.92	RL-7145
Technetium-99	U	-8.14	pCi/L	0	16.2	RL-7100
Thorium-234	U	-12.3	pCi/L	24.6	49.4	RL-7124
Tritium	U	126	pCi/L	179	295	704R6
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	JU	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JU	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	U	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	JU	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	JU	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene		0.02	mg/L		0.001	SW846-8260
Trichlorofluoromethane	JU	0.005	mg/L		0.005	SW846-8260
Vinyl acetate	JU	0.01	mg/L		0.01	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260

**MW394**

**SG04-03**

**C-746 S&T QUARTERLY - APRIL SG04-03**

**WETCHEM**

Chemical Oxygen Demand (COD)	BU	35 mg/L	35	EPA-410.4 1978
Cyanide	JU	0.05 mg/L	0.05	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		1.4 mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.0232 mg/L	0.01	SW846-9020A

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**MW395**

**SG04-03**

**C-746 S&T QUARTERLY - APRIL SG04-03**

**MW395SG3-04**

Collected: 4/12/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		61.6	mg/L		10	SW846-9056
Fluoride		0.15	mg/L		0.1	9214
Nitrate as Nitrogen		1.7	mg/L		1	SW846-9056
Sulfate		8.8	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.83	Inches/Hg			
Conductivity		414	umho/cm			
Depth to Water		51.82	ft			
Dissolved Oxygen		3.98	mg/L			
pH		6.26	Std Unit			
Redox		161	mV			
Temperature		58.4	deg F			
Turbidity		3.7	NTU			
<b>METAL</b>						
Aluminum	NU	0.2	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Barium		0.289	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6010A
Cadmium	BU	0.001	mg/L		0.001	SW846-6020
Calcium	JN	32.2	mg/L		1	SW846-6010A
Chromium	U	0.02	mg/L		0.02	SW846-6020
Cobalt	BU	0.001	mg/L		0.001	SW846-6020
Copper	BU	0.02	mg/L		0.02	SW846-6020
Iron	U	0.1	mg/L		0.1	SW846-6010A
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		12.8	mg/L		0.025	SW846-6010A
Manganese		0.00852	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	BU	0.005	mg/L		0.005	SW846-6020
Potassium		1.62	mg/L		0.2	SW846-6010A
Rhodium	U	0.005	mg/L		0.005	SW846-6020
Selenium		0.00581	mg/L		0.005	SW846-6020
Silver	U	0.001	mg/L		0.001	SW846-6020
Sodium		27.7	mg/L		2	SW846-6010A
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	BU	0.002	mg/L		0.002	SW846-6020
Uranium	BU	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	BU	0.02	mg/L		0.02	SW846-6020
<b>METAL-D</b>						
Barium, Dissolved	N	0.271	mg/L		0.005	SW846-6020
<b>PHYSC</b>						
Dissolved Solids		232	mg/L		42	EPA-160.1
<b>RADS</b>						
Alpha activity	U	1.7	pCi/L	1.07	6.67	EPA-900.0
Beta activity		11.2	pCi/L	1.97	6.66	EPA-900.0

## MW395

## SG04-03

## C-746 S&amp;T QUARTERLY - APRIL SG04-03

Iodine-131	U	6.64	pCi/L	13.3	19.6	RL-7124
Strontium-90	U	-2.73	pCi/L	0.5	6.92	RL-7145
Technetium-99	U	-6.1	pCi/L	0	16.2	RL-7100
Thorium-234	U	-11.9	pCi/L	23.8	50	RL-7124
Tritium	U	2.09	pCi/L	177	295	704R6
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	JU	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JU	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	U	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	JU	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	JU	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene		0.011	mg/L		0.001	SW846-8260
Trichlorofluoromethane	JU	0.005	mg/L		0.005	SW846-8260
Vinyl acetate	JU	0.01	mg/L		0.01	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260

**MW395**

**SG04-03**

**C-746 S&T QUARTERLY - APRIL SG04-03**

**WETCHEM**

Chemical Oxygen Demand (COD)	BU	35 mg/L	35	EPA-410.4 1978
Cyanide	JU	0.05 mg/L	0.05	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		1.4 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.01 mg/L	0.01	SW846-9020A

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**MW396**

**SG04-03**

**C-746 S&T QUARTERLY - APRIL SG04-03**

**MW396SG3-04**

Collected: 4/12/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide		1.7	mg/L		1	SW846-9056
Chloride		103.8	mg/L		10	SW846-9056
Fluoride		0.5	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		19.5	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.83	Inches/Hg			
Conductivity		1040	umho/cm			
Depth to Water		6.83	ft			
Dissolved Oxygen		1.34	mg/L			
pH		6.87	Std Unit			
Redox		-6	mV			
Temperature		56.9	deg F			
Turbidity		17.3	NTU			
<b>METAL</b>						
Aluminum	NU	0.2	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Barium		0.287	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6010A
Cadmium	BU	0.001	mg/L		0.001	SW846-6020
Calcium	JN	44.7	mg/L		1	SW846-6010A
Chromium	U	0.02	mg/L		0.02	SW846-6020
Cobalt		0.00254	mg/L		0.001	SW846-6020
Copper	BU	0.02	mg/L		0.02	SW846-6020
Iron		0.833	mg/L		0.1	SW846-6010A
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		18.2	mg/L		0.025	SW846-6010A
Manganese		0.636	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	B	0.00181	mg/L		0.001	SW846-6020
Nickel	BU	0.005	mg/L		0.005	SW846-6020
Potassium		1.39	mg/L		0.2	SW846-6010A
Rhodium	U	0.005	mg/L		0.005	SW846-6020
Selenium		0.0107	mg/L		0.005	SW846-6020
Silver	U	0.001	mg/L		0.001	SW846-6020
Sodium		161	mg/L		2	SW846-6010A
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	BU	0.002	mg/L		0.002	SW846-6020
Uranium	BU	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	BU	0.02	mg/L		0.02	SW846-6020
<b>METAL-D</b>						
Barium, Dissolved	N	0.27	mg/L		0.005	SW846-6020
<b>PHYSC</b>						
Dissolved Solids		567	mg/L		40	EPA-160.1
<b>RADS</b>						
Alpha activity	U	5.93	pCi/L	3.75	17.9	EPA-900.0
Beta activity	U	9.31	pCi/L	1.98	14.1	EPA-900.0

## MW396

## SG04-03

## C-746 S&amp;T QUARTERLY - APRIL SG04-03

Iodine-131	U	-7.16	pCi/L	14.3	17.3	RL-7124
Strontium-90	U	-4.09	pCi/L	0.802	6.92	RL-7145
Technetium-99	U	-7.6	pCi/L	0	16.2	RL-7100
Thorium-234	U	-42.1	pCi/L	84.3	46.9	RL-7124
Tritium	U	-37.7	pCi/L	176	295	704R6
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	JU	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JU	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	U	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	JU	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	JU	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene	U	0.001	mg/L		0.001	SW846-8260
Trichlorofluoromethane	JU	0.005	mg/L		0.005	SW846-8260
Vinyl acetate	JU	0.01	mg/L		0.01	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260

**MW396**

**SG04-03**

**C-746 S&T QUARTERLY - APRIL SG04-03**

**WETCHEM**

Chemical Oxygen Demand (COD)	U	35 mg/L	35	EPA-410.4 1978
Cyanide	*JU	0.05 mg/L	0.05	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		7.1 mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.148 mg/L	0.01	SW846-9020A

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**MW397**

**SG04-03**

**C-746 S&T QUARTERLY - APRIL SG04-03**

**MW397SG3-04**

Collected: 4/12/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		40.8	mg/L		2	SW846-9056
Fluoride		0.15	mg/L		0.1	9214
Nitrate as Nitrogen		2	mg/L		1	SW846-9056
Sulfate		12.4	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.83	Inches/Hg			
Conductivity		333	umho/cm			
Depth to Water		59.88	ft			
Dissolved Oxygen		5.8	mg/L			
pH		6.2	Std Unit			
Redox		163	mV			
Temperature		56.2	deg F			
Turbidity		2.6	NTU			
<b>METAL</b>						
Aluminum	NU	0.2	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Barium		0.149	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6010A
Cadmium	BU	0.001	mg/L		0.001	SW846-6020
Calcium	JN	19.2	mg/L		1	SW846-6010A
Chromium	U	0.02	mg/L		0.02	SW846-6020
Cobalt	BU	0.001	mg/L		0.001	SW846-6020
Copper	BU	0.02	mg/L		0.02	SW846-6020
Iron		0.101	mg/L		0.1	SW846-6010A
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		7.68	mg/L		0.025	SW846-6010A
Manganese	U	0.005	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	BU	0.005	mg/L		0.005	SW846-6020
Potassium		1.87	mg/L		0.2	SW846-6010A
Rhodium	U	0.005	mg/L		0.005	SW846-6020
Selenium		0.00578	mg/L		0.005	SW846-6020
Silver	U	0.001	mg/L		0.001	SW846-6020
Sodium		35.6	mg/L		2	SW846-6010A
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	BU	0.002	mg/L		0.002	SW846-6020
Uranium	BU	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	BU	0.02	mg/L		0.02	SW846-6020
<b>METAL-D</b>						
Barium, Dissolved	N	0.142	mg/L		0.005	SW846-6020
<b>PHYSC</b>						
Dissolved Solids		200	mg/L		43	EPA-160.1
<b>RADS</b>						
Alpha activity	U	2.89	pCi/L	1.6	6.05	EPA-900.0
Beta activity		11.4	pCi/L	2	6.53	EPA-900.0

## MW397

## SG04-03

## C-746 S&amp;T QUARTERLY - APRIL SG04-03

Iodine-131	U	3.05	pCi/L	6.09	23.3	RL-7124
Strontium-90	U	-2.42	pCi/L	0.44	6.92	RL-7145
Technetium-99	U	0.214	pCi/L	12.2	16.2	RL-7100
Thorium-234	U	2.04	pCi/L	4.08	46.9	RL-7124
Tritium	U	-39.8	pCi/L	176	295	704R6
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	JU	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JU	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	U	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	JU	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	JU	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene	U	0.001	mg/L		0.001	SW846-8260
Trichlorofluoromethane	JU	0.005	mg/L		0.005	SW846-8260
Vinyl acetate	JU	0.01	mg/L		0.01	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260

**MW397**

**SG04-03**

**C-746 S&T QUARTERLY - APRIL SG04-03**

**WETCHEM**

Chemical Oxygen Demand (COD)	U	35 mg/L	35	EPA-410.4 1978
Cyanide	*JU	0.05 mg/L	0.05	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		1.6 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.01 mg/L	0.01	SW846-9020A

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**MW220**

**SG04-05**

**C-746 S&T QUARTERLY - Radium - OCTOBER SG04-05**

**MW220SG1-04**

Collected: 10/13/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.94	Inches/Hg			
Conductivity		346	umho/cm			
Depth to Water		55.87	ft			
Dissolved Oxygen		1.65	mg/L			
pH		6.34	Std Unit			
Redox		107	mV			
Temperature		60	deg F			
Turbidity		17.2	NTU			
<b>RADS</b>						
Radium-226	U	0.389	pCi/L	0.638	1.11	RL-7129

**MW220DSG1-04**

Collected: 10/13/2003

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.94	Inches/Hg			
Conductivity		346	umho/cm			
Depth to Water		55.87	ft			
Dissolved Oxygen		1.65	mg/L			
pH		6.34	Std Unit			
Redox		107	mV			
Temperature		60	deg F			
Turbidity		17.2	NTU			
<b>RADS</b>						
Radium-226	U	0.232	pCi/L	0.391	0.553	RL-7129

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**MW221**

**SG04-05**

## C-746 S&T QUARTERLY - Radium - OCTOBER SG04-05

**MW221SG1-04**

Collected: 10/13/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.94	Inches/Hg			
Conductivity		395	umho/cm			
Depth to Water		65.5	ft			
Dissolved Oxygen		2.46	mg/L			
pH		6.34	Std Unit			
Redox		180	mV			
Temperature		62.4	deg F			
Turbidity		20.3	NTU			
<b>RADS</b>						
Radium-226	U	0.17	pCi/L	0.371	0.686	RL-7129



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**MW222**

**SG04-05**

## C-746 S&T QUARTERLY - Radium - OCTOBER SG04-05

**MW222SG1-04**

Collected: 10/13/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.94	Inches/Hg			
Conductivity		594	umho/cm			
Depth to Water		69.5	ft			
Dissolved Oxygen		1.29	mg/L			
pH		7.25	Std Unit			
Redox		-70	mV			
Temperature		63.7	deg F			
Turbidity		22.3	NTU			
<b>RADS</b>						
Radium-226	U	0.541	pCi/L	0.637	0.801	RL-7129

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**MW223**

**SG04-05**

## C-746 S&T QUARTERLY - Radium - OCTOBER SG04-05

**MW223SG1-04**

Collected: 10/16/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		30	Inches/Hg			
Conductivity		506	umho/cm			
Depth to Water		69	ft			
Dissolved Oxygen		1.42	mg/L			
pH		6.76	Std Unit			
Redox		32	mV			
Temperature		63.6	deg F			
Turbidity		56	NTU			
<b>RADS</b>						
Radium-226	U	0.351	pCi/L	0.414	0.516	RL-7129

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**MW224**

**SG04-05**

## C-746 S&T QUARTERLY - Radium - OCTOBER SG04-05

**MW224SG1-04**

Collected: 10/14/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.53	Inches/Hg			
Conductivity		586	umho/cm			
Depth to Water		69.78	ft			
Dissolved Oxygen		0.95	mg/L			
pH		6.57	Std Unit			
Redox		65	mV			
Temperature		61.4	deg F			
Turbidity		15.6	NTU			
<b>RADS</b>						
Radium-226	U	0.42	pCi/L	0.476	0.622	RL-7129

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**MW384**

**SG04-05**

## C-746 S&T QUARTERLY - Radium - OCTOBER SG04-05

**MW384SG1-04**

Collected: 10/16/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		30	Inches/Hg			
Conductivity		796	umho/cm			
Depth to Water		39.9	ft			
Dissolved Oxygen		0.76	mg/L			
pH		6.7	Std Unit			
Redox		-56	mV			
Temperature		62.8	deg F			
Turbidity		8.9	NTU			
<b>RADS</b>						
Radium-226	U	0.0375	pCi/L	0.401	0.629	RL-7129

**MW385**

**SG04-05**

**C-746 S&T QUARTERLY - Radium - OCTOBER SG04-05**

**MW385SG1-04**

Collected: 10/20/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		30.03	Inches/Hg			
Conductivity		447	umho/cm			
Depth to Water		40.55	ft			
Dissolved Oxygen		1.1	mg/L			
pH		6.97	Std Unit			
Redox		241	mV			
Temperature		60.7	deg F			
Turbidity		4.3	NTU			
<b>RADS</b>						
Radium-226	U	0.168	pCi/L	0.317	0.28	RL-7129

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**MW386**

**SG04-05**

## C-746 S&T QUARTERLY - Radium - OCTOBER SG04-05

**MW386SG1-04**

Collected: 10/15/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		30	Inches/Hg			
Conductivity		536	umho/cm			
Depth to Water		21.65	ft			
Dissolved Oxygen		1.33	mg/L			
pH		6.6	Std Unit			
Redox		38	mV			
Temperature		60.7	deg F			
Turbidity		9.6	NTU			
<b>RADS</b>						
Radium-226	U	0.33	pCi/L	0.39	0.45	RL-7129

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**MW387**

**SG04-05**

## C-746 S&T QUARTERLY - Radium - OCTOBER SG04-05

**MW387SG1-04**

Collected: 10/16/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		30	Inches/Hg			
Conductivity		470	umho/cm			
Depth to Water		38.12	ft			
Dissolved Oxygen		4.77	mg/L			
pH		6.34	Std Unit			
Redox		185	mV			
Temperature		63	deg F			
Turbidity		14.4	NTU			
<b>RADS</b>						
Radium-226	U	-0.0718	pCi/L	0.148	0.384	RL-7129

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**MW388**

**SG04-05**

## C-746 S&T QUARTERLY - Radium - OCTOBER SG04-05

**MW388SG1-04**

Collected: 10/16/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		30	Inches/Hg			
Conductivity		385	umho/cm			
Depth to Water		38.14	ft			
Dissolved Oxygen		5.37	mg/L			
pH		6.33	Std Unit			
Redox		173	mV			
Temperature		62.8	deg F			
Turbidity		8.4	NTU			
<b>RADS</b>						
Radium-226	U	0.411	pCi/L	0.517	1.29	RL-7129



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**MW390**

**SG04-05**

## C-746 S&T QUARTERLY - Radium - OCTOBER SG04-05

**MW390SG1-04**

Collected: 10/15/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		30	Inches/Hg			
Conductivity		1292	umho/cm			
Depth to Water		35.22	ft			
Dissolved Oxygen		1.4	mg/L			
pH		6.48	Std Unit			
Redox		160	mV			
Temperature		58.7	deg F			
Turbidity		18.4	NTU			
<b>RADS</b>						
Radium-226	U	0.726	pCi/L	0.53	1.01	RL-7129

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**MW391**

**SG04-05**

## C-746 S&T QUARTERLY - Radium - OCTOBER SG04-05

**MW391SG1-04**

Collected: 10/16/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		30.03	Inches/Hg			
Conductivity		346	umho/cm			
Depth to Water		41.47	ft			
Dissolved Oxygen		4.47	mg/L			
pH		6.4	Std Unit			
Redox		162	mV			
Temperature		60.4	deg F			
Turbidity		15.8	NTU			
<b>RADS</b>						
Radium-226	U	0.336	pCi/L	0.591	1.27	RL-7129

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**MW392**

**SG04-05**

## C-746 S&T QUARTERLY - Radium - OCTOBER SG04-05

**MW392SG1-04**

Collected: 10/15/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		30	Inches/Hg			
Conductivity		429	umho/cm			
Depth to Water		40.55	ft			
Dissolved Oxygen		0.85	mg/L			
pH		6.68	Std Unit			
Redox		-33	mV			
Temperature		61.8	deg F			
Turbidity		3.8	NTU			
<b>RADS</b>						
Radium-226	U	0.32	pCi/L	0.432	0.886	RL-7129

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**MW393**

**SG04-05**

## C-746 S&T QUARTERLY - Radium - OCTOBER SG04-05

**MW393SG1-04**

Collected: 10/15/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		30	Inches/Hg			
Conductivity		616	umho/cm			
Depth to Water		25.84	ft			
Dissolved Oxygen		0.83	mg/L			
pH		6.67	Std Unit			
Redox		-58	mV			
Temperature		61.8	deg F			
Turbidity		7.6	NTU			
<b>RADS</b>						
Radium-226	U	-0.103	pCi/L	0.218	0.715	RL-7129

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**MW394**

**SG04-05**

## C-746 S&T QUARTERLY - Radium - OCTOBER SG04-05

**MW394SG1-04**

Collected: 10/14/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.53	Inches/Hg			
Conductivity		3.91	umho/cm			
Depth to Water		52.45	ft			
Dissolved Oxygen		3.33	mg/L			
pH		6.4	Std Unit			
Redox		175	mV			
Temperature		60.3	deg F			
Turbidity		15.7	NTU			
<b>RADS</b>						
Radium-226	U	0.0325	pCi/L	0.394	0.647	RL-7129

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**MW395**

**SG04-05**

## C-746 S&T QUARTERLY - Radium - OCTOBER SG04-05

**MW395SG1-04**

Collected: 10/14/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.53	Inches/Hg			
Conductivity		410	umho/cm			
Depth to Water		53.13	ft			
Dissolved Oxygen		4.05	mg/L			
pH		6.31	Std Unit			
Redox		138	mV			
Temperature		60.6	deg F			
Turbidity		22.8	NTU			
<b>RADS</b>						
Radium-226	U	0.0266	pCi/L	0.261	0.654	RL-7129

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**MW396**

**SG04-05**

## C-746 S&T QUARTERLY - Radium - OCTOBER SG04-05

**MW396SG1-04**

Collected: 10/14/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.53	Inches/Hg			
Conductivity		935	umho/cm			
Depth to Water		9.7	ft			
Dissolved Oxygen		0.71	mg/L			
pH		6.71	Std Unit			
Redox		-54	mV			
Temperature		61.8	deg F			
Turbidity		97.5	NTU			
<b>RADS</b>						
Radium-226	U	-0.0514	pCi/L	0.374	0.592	RL-7129

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**MW397**

**SG04-05**

## C-746 S&T QUARTERLY - Radium - OCTOBER SG04-05

**MW397SG1-04**

Collected: 10/14/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.53	Inches/Hg			
Conductivity		331	umho/cm			
Depth to Water		61	ft			
Dissolved Oxygen		5.34	mg/L			
pH		6.36	Std Unit			
Redox		187	mV			
Temperature		60.5	deg F			
Turbidity		26.8	NTU			
<b>RADS</b>						
Radium-226	U	-0.179	pCi/L	0.304	0.61	RL-7129



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**MW220**

**SG04-06**

## C-746 S&T QUARTERLY - Radium - JANUARY SG04-06

**MW220SG2-04**

Collected: 1/13/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		30.21	Inches/Hg			
Conductivity		365	umho/cm			
Depth to Water		57	ft			
Dissolved Oxygen		3.48	mg/L			
pH		6.33	Std Unit			
Redox		295	mV			
Temperature		59.5	deg F			
Turbidity		16.1	NTU			
<b>RADS</b>						
Radium-226	U	-0.12	pCi/L	0.319	0.483	RL-7129

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**MW221**

**SG04-06**

## C-746 S&T QUARTERLY - Radium - JANUARY SG04-06

**MW221SG2-04**

Collected: 1/12/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		30.18	Inches/Hg			
Conductivity		406	umho/cm			
Depth to Water		66.5	ft			
Dissolved Oxygen		4.5	mg/L			
pH		6.42	Std Unit			
Redox		203	mV			
Temperature		59.9	deg F			
Turbidity		51.5	NTU			
<b>RADS</b>						
Radium-226	U	-0.0932	pCi/L	0.322	0.483	RL-7129

**MW222**

**SG04-06**

**C-746 S&T QUARTERLY - Radium - JANUARY SG04-06**

**MW222SG2-04**

Collected: 1/12/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		30.18	Inches/Hg			
Conductivity		436	umho/cm			
Depth to Water		70.52	ft			
Dissolved Oxygen		1.3	mg/L			
pH		7.02	Std Unit			
Redox		33	mV			
Temperature		60.8	deg F			
Turbidity		22.4	NTU			
<b>RADS</b>						
Radium-226	U	0.598	pCi/L	0.578	0.722	RL-7129

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**MW223**

**SG04-06**

## C-746 S&T QUARTERLY - Radium - JANUARY SG04-06

**MW223SG2-04**

Collected: 1/13/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		30.21	Inches/Hg			
Conductivity		403	umho/cm			
Depth to Water		69.75	ft			
Dissolved Oxygen		2.23	mg/L			
pH		6.53	Std Unit			
Redox		352	mV			
Temperature		57.8	deg F			
Turbidity		32.4	NTU			
<b>RADS</b>						
Radium-226	U	-0.13	pCi/L	0.274	0.559	RL-7129

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**MW224**

**SG04-06**

## C-746 S&T QUARTERLY - Radium - JANUARY SG04-06

**MW224SG2-04**

Collected: 1/12/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		30.18	Inches/Hg			
Conductivity		528	umho/cm			
Depth to Water		71.08	ft			
Dissolved Oxygen		1.13	mg/L			
pH		6.5	Std Unit			
Redox		160	mV			
Temperature		60.4	deg F			
Turbidity		8.4	NTU			
<b>RADS</b>						
Radium-226	U	0.479	pCi/L	0.535	0.555	RL-7129

**MW224DSG2-04**

Collected: 1/12/2004

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		30.18	Inches/Hg			
Conductivity		528	umho/cm			
Depth to Water		71.08	ft			
Dissolved Oxygen		1.13	mg/L			
pH		6.5	Std Unit			
Redox		160	mV			
Temperature		60.4	deg F			
Turbidity		8.4	NTU			
<b>RADS</b>						
Radium-226		0.498	pCi/L	0.466	0.398	RL-7129

**MW384**

**SG04-06**

**C-746 S&T QUARTERLY - Radium - JANUARY SG04-06**

**MW384SG2-04**

Collected: 1/13/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		30.18	Inches/Hg			
Conductivity		639	umho/cm			
Depth to Water		40.78	ft			
Dissolved Oxygen		1.48	mg/L			
pH		6.4	Std Unit			
Redox		-28	mV			
Temperature		56.4	deg F			
Turbidity		3.7	NTU			
<b>RADS</b>						
Radium-226	U	0.0413	pCi/L	0.386	0.674	RL-7129

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**MW385**

**SG04-06**

## C-746 S&T QUARTERLY - Radium - JANUARY SG04-06

**MW385SG2-04**

Collected: 1/13/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		30.18	Inches/Hg			
Conductivity		433	umho/cm			
Depth to Water		40.17	ft			
Dissolved Oxygen		1.53	mg/L			
pH		7	Std Unit			
Redox		38	mV			
Temperature		57.9	deg F			
Turbidity		4.4	NTU			
<b>RADS</b>						
Radium-226	U	0.218	pCi/L	0.441	0.746	RL-7129

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**MW386**

**SG04-06**

## C-746 S&T QUARTERLY - Radium - JANUARY SG04-06

**MW386SG2-04**

Collected: 1/13/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		30.18	Inches/Hg			
Conductivity		606	umho/cm			
Depth to Water		20.02	ft			
Dissolved Oxygen		1.83	mg/L			
pH		6.4	Std Unit			
Redox		22	mV			
Temperature		57.3	deg F			
Turbidity		2	NTU			
<b>RADS</b>						
Radium-226	U	0.129	pCi/L	0.398	0.454	RL-7129

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**MW387**

**SG04-06**

## C-746 S&T QUARTERLY - Radium - JANUARY SG04-06

**MW387SG2-04**

Collected: 1/13/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		30.18	Inches/Hg			
Conductivity		463	umho/cm			
Depth to Water		39	ft			
Dissolved Oxygen		4.9	mg/L			
pH		6.2	Std Unit			
Redox		135	mV			
Temperature		58.4	deg F			
Turbidity		2	NTU			
<b>RADS</b>						
Radium-226	U	-0.149	pCi/L	0.221	0.314	RL-7129

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**MW388**

**SG04-06**

## C-746 S&T QUARTERLY - Radium - JANUARY SG04-06

**MW388SG2-04**

Collected: 1/13/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		30.18	Inches/Hg			
Conductivity		384	umho/cm			
Depth to Water		38.98	ft			
Dissolved Oxygen		5.48	mg/L			
pH		6.1	Std Unit			
Redox		123	mV			
Temperature		55.7	deg F			
Turbidity		16.2	NTU			
<b>RADS</b>						
Radium-226	U	0.303	pCi/L	0.473	1.05	RL-7129

**MW390**

**SG04-06**

**C-746 S&T QUARTERLY - Radium - JANUARY SG04-06**

**MW390SG2-04**

Collected: 1/13/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		30.18	Inches/Hg			
Conductivity		1246	umho/cm			
Depth to Water		36.05	ft			
Dissolved Oxygen		1.94	mg/L			
pH		6.1	Std Unit			
Redox		114	mV			
Temperature		55.4	deg F			
Turbidity		24.7	NTU			
<b>RADS</b>						
Radium-226	U	0.242	pCi/L	0.463	0.695	RL-7129

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**MW391**

**SG04-06**

## C-746 S&T QUARTERLY - Radium - JANUARY SG04-06

**MW391SG2-04**

Collected: 1/14/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		30.03	Inches/Hg			
Conductivity		358	umho/cm			
Depth to Water		41.8	ft			
Dissolved Oxygen		4.34	mg/L			
pH		6.2	Std Unit			
Redox		69	mV			
Temperature		57.9	deg F			
Turbidity		5.4	NTU			
<b>RADS</b>						
Radium-226	U	0.0361	pCi/L	0.342	0.669	RL-7129

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**MW392**

**SG04-06**

## C-746 S&T QUARTERLY - Radium - JANUARY SG04-06

**MW392SG2-04**

Collected: 1/14/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		30.03	Inches/Hg			
Conductivity		430	umho/cm			
Depth to Water		41.06	ft			
Dissolved Oxygen		1.94	mg/L			
pH		6.3	Std Unit			
Redox		2	mV			
Temperature		57.4	deg F			
Turbidity		3.3	NTU			
<b>RADS</b>						
Radium-226	U	-0.0608	pCi/L	0.29	0.491	RL-7129

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**MW393**

**SG04-06**

**C-746 S&T QUARTERLY - Radium - JANUARY SG04-06**

**MW393SG2-04**

Collected: 1/14/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		30.03	Inches/Hg			
Conductivity		603	umho/cm			
Depth to Water		26.48	ft			
Dissolved Oxygen		1.55	mg/L			
pH		6.4	Std Unit			
Redox		-85	mV			
Temperature		58.2	deg F			
Turbidity		5.4	NTU			
<b>RADS</b>						
Radium-226	U	-0.181	pCi/L	0.326	0.452	RL-7129

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**MW394**

**SG04-06**

**C-746 S&T QUARTERLY - Radium - JANUARY SG04-06**

**MW394SG2-04**

Collected: 1/13/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		30.12	Inches/Hg			
Conductivity		395	umho/cm			
Depth to Water		53.8	ft			
Dissolved Oxygen		3.14	mg/L			
pH		6.39	Std Unit			
Redox		249	mV			
Temperature		60.4	deg F			
Turbidity		6.8	NTU			
<b>RADS</b>						
Radium-226	U	-0.0040	pCi/L	0.301	0.737	RL-7129

**MW395**

**SG04-06**

**C-746 S&T QUARTERLY - Radium - JANUARY SG04-06**

**MW395SG2-04**

Collected: 1/13/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		30.12	Inches/Hg			
Conductivity		413	umho/cm			
Depth to Water		54.45	ft			
Dissolved Oxygen		4.26	mg/L			
pH		6.24	Std Unit			
Redox		233	mV			
Temperature		60	deg F			
Turbidity		4	NTU			
<b>RADS</b>						
Radium-226	U	-0.0777	pCi/L	0.266	0.672	RL-7129



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**MW396**

**SG04-06**

## C-746 S&T QUARTERLY - Radium - JANUARY SG04-06

**MW396SG2-04**

Collected: 1/14/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.47	Inches/Hg			
Conductivity		1158	umho/cm			
Depth to Water		7.35	ft			
Dissolved Oxygen		1.55	mg/L			
pH		7.05	Std Unit			
Redox		-22	mV			
Temperature		57.6	deg F			
Turbidity		18	NTU			
<b>RADS</b>						
Radium-226	U	0.494	pCi/L	0.489	1.19	RL-7129

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**MW397**

**SG04-06**

## C-746 S&T QUARTERLY - Radium - JANUARY SG04-06

**MW397SG2-04**

Collected: 1/13/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		30.12	Inches/Hg			
Conductivity		334	umho/cm			
Depth to Water		62.5	ft			
Dissolved Oxygen		5.51	mg/L			
pH		6.32	Std Unit			
Redox		253	mV			
Temperature		59.8	deg F			
Turbidity		11.4	NTU			
<b>RADS</b>						
Radium-226	U	-0.0564	pCi/L	0.249	0.419	RL-7129

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**MW220**

**SG04-07**

## C-746 S&T QUARTERLY - Radium - APRIL SG04-07

**MW220SG3-04**

Collected: 4/13/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.8	Inches/Hg			
Conductivity		416	umho/cm			
Depth to Water		54.28	ft			
Dissolved Oxygen		1.05	mg/L			
pH		6.3	Std Unit			
Redox		190	mV			
Temperature		58.3	deg F			
Turbidity		4	NTU			
<b>RADS</b>						
Radium-226	U	0.159	pCi/L	0.226	0.721	RL-7129

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**MW221**

**SG04-07**

## C-746 S&T QUARTERLY - Radium - APRIL SG04-07

**MW221SG3-04**

Collected: 4/13/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.83	Inches/Hg			
Conductivity		404	umho/cm			
Depth to Water		63.91	ft			
Dissolved Oxygen		3.38	mg/L			
pH		6.44	Std Unit			
Redox		229	mV			
Temperature		57.5	deg F			
Turbidity		10.7	NTU			
<b>RADS</b>						
Radium-226	U	0.374	pCi/L	0.454	0.966	RL-7129

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**MW222**

**SG04-07**

## C-746 S&T QUARTERLY - Radium - APRIL SG04-07

**MW222SG3-04**

Collected: 4/13/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.83	Inches/Hg			
Conductivity		427	umho/cm			
Depth to Water		67.91	ft			
Dissolved Oxygen		1.18	mg/L			
pH		6.82	Std Unit			
Redox		244	mV			
Temperature		59.9	deg F			
Turbidity		36.7	NTU			
<b>RADS</b>						
Radium-226	U	0.107	pCi/L	0.26	0.75	RL-7129

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**MW223**

**SG04-07**

## C-746 S&T QUARTERLY - Radium - APRIL SG04-07

**MW223SG3-04**

Collected: 4/13/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.83	Inches/Hg			
Conductivity		389	umho/cm			
Depth to Water		67.11	ft			
Dissolved Oxygen		1.96	mg/L			
pH		6.56	Std Unit			
Redox		249	mV			
Temperature		58.7	deg F			
Turbidity		12.3	NTU			
<b>RADS</b>						
Radium-226	U	0.272	pCi/L	0.358	0.821	RL-7129

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**MW224**

**SG04-07**

## C-746 S&T QUARTERLY - Radium - APRIL SG04-07

**MW224SG3-04**

Collected: 4/13/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.83	Inches/Hg			
Conductivity		482	umho/cm			
Depth to Water		68.31	ft			
Dissolved Oxygen		2.66	mg/L			
pH		6.7	Std Unit			
Redox		208	mV			
Temperature		52.9	deg F			
Turbidity		4.9	NTU			
<b>RADS</b>						
Radium-226	U	-0.0884	pCi/L	0.383	1.11	RL-7129

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**MW384**

**SG04-07**

## C-746 S&T QUARTERLY - Radium - APRIL SG04-07

**MW384SG3-04**

Collected: 4/13/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.83	Inches/Hg			
Conductivity		731	umho/cm			
Depth to Water		38.15	ft			
Dissolved Oxygen		1.33	mg/L			
pH		6.8	Std Unit			
Redox		-39	mV			
Temperature		54.6	deg F			
Turbidity		3.4	NTU			
<b>RADS</b>						
Radium-226	U	0.436	pCi/L	0.357	0.836	RL-7129

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MW385

SG04-07

C-746 S&T QUARTERLY - Radium - APRIL SG04-07

MW385SG3-04

Collected: 4/13/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.83	Inches/Hg			
Conductivity		475	umho/cm			
Depth to Water		38.56	ft			
Dissolved Oxygen		1.69	mg/L			
pH		7.1	Std Unit			
Redox		123	mV			
Temperature		56.4	deg F			
Turbidity		2.8	NTU			
<b>RADS</b>						
Radium-226	U	0.492	pCi/L	0.403	0.747	RL-7129

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**MW386**

**SG04-07**

## C-746 S&T QUARTERLY - Radium - APRIL SG04-07

**MW386SG3-04**

Collected: 4/13/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.83	Inches/Hg			
Conductivity		596	umho/cm			
Depth to Water		21.29	ft			
Dissolved Oxygen		1.92	mg/L			
pH		6.9	Std Unit			
Redox		78	mV			
Temperature		55.8	deg F			
Turbidity		23.2	NTU			
<b>RADS</b>						
Radium-226	U	0.0308	pCi/L	0.134	0.754	RL-7129

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**MW387**

**SG04-07**

## C-746 S&T QUARTERLY - Radium - APRIL SG04-07

**MW387SG3-04**

Collected: 4/12/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.83	Inches/Hg			
Conductivity		520	umho/cm			
Depth to Water		36.38	ft			
Dissolved Oxygen		4.38	mg/L			
pH		6.4	Std Unit			
Redox		189	mV			
Temperature		52.7	deg F			
Turbidity		2.9	NTU			
<b>RADS</b>						
Radium-226	U	0.0292	pCi/L	0.219	0.785	RL-7129

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**MW388**

**SG04-07**

## C-746 S&T QUARTERLY - Radium - APRIL SG04-07

**MW388SG3-04**

Collected: 4/12/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.83	Inches/Hg			
Conductivity		420	umho/cm			
Depth to Water		36.33	ft			
Dissolved Oxygen		5.24	mg/L			
pH		6.4	Std Unit			
Redox		134	mV			
Temperature		56.2	deg F			
Turbidity		2.6	NTU			
<b>RADS</b>						
Radium-226	U	0.155	pCi/L	0.338	1	RL-7129

**MW390**

**SG04-07**

**C-746 S&T QUARTERLY - Radium - APRIL SG04-07**

**MW390SG3-04**

Collected: 4/12/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.83	Inches/Hg			
Conductivity		1251	umho/cm			
Depth to Water		33.48	ft			
Dissolved Oxygen		2.56	mg/L			
pH		6.5	Std Unit			
Redox		234	mV			
Temperature		54.7	deg F			
Turbidity		6.6	NTU			
<b>RADS</b>						
Radium-226	U	0.361	pCi/L	0.449	0.897	RL-7129

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**MW391**

**SG04-07**

## C-746 S&T QUARTERLY - Radium - APRIL SG04-07

**MW391SG3-04**

Collected: 4/13/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.8	Inches/Hg			
Conductivity		353	umho/cm			
Depth to Water		39.6	ft			
Dissolved Oxygen		4.12	mg/L			
pH		6.18	Std Unit			
Redox		114	mV			
Temperature		57.6	deg F			
Turbidity		84	NTU			
<b>RADS</b>						
Radium-226	U	0.17	pCi/L	0.291	0.793	RL-7129

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**MW392**

**SG04-07**

## C-746 S&T QUARTERLY - Radium - APRIL SG04-07

**MW392SG3-04**

Collected: 4/13/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.8	Inches/Hg			
Conductivity		461	umho/cm			
Depth to Water		38.74	ft			
Dissolved Oxygen		1.16	mg/L			
pH		6.63	Std Unit			
Redox		62	mV			
Temperature		56	deg F			
Turbidity		2.5	NTU			
<b>RADS</b>						
Radium-226	U	0.309	pCi/L	0.39	0.798	RL-7129

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**MW393**

**SG04-07**

## C-746 S&T QUARTERLY - Radium - APRIL SG04-07

**MW393SG3-04**

Collected: 4/13/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.8	Inches/Hg			
Conductivity		555	umho/cm			
Depth to Water		25.54	ft			
Dissolved Oxygen		0.96	mg/L			
pH		6.45	Std Unit			
Redox		-22	mV			
Temperature		56.8	deg F			
Turbidity		4.9	NTU			
<b>RADS</b>						
Radium-226	U	0.365	pCi/L	0.368	0.841	RL-7129

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**MW394**

**SG04-07**

**C-746 S&T QUARTERLY - Radium - APRIL SG04-07**

**MW394SG3-04**

Collected: 4/12/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.83	Inches/Hg			
Conductivity		402	umho/cm			
Depth to Water		50.19	ft			
Dissolved Oxygen		3.38	mg/L			
pH		6.36	Std Unit			
Redox		251	mV			
Temperature		57.3	deg F			
Turbidity		6.4	NTU			
<b>RADS</b>						
Radium-226	U	-0.0003	pCi/L	0.163	0.856	RL-7129

**MW394DSG3-04**

Collected: 4/12/2004

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.83	Inches/Hg			
Conductivity		402	umho/cm			
Depth to Water		50.19	ft			
Dissolved Oxygen		3.38	mg/L			
pH		6.36	Std Unit			
Redox		251	mV			
Temperature		57.3	deg F			
Turbidity		6.4	NTU			
<b>RADS</b>						
Radium-226	U	-0.079	pCi/L	0.18	0.838	RL-7129

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**MW395**

**SG04-07**

## C-746 S&T QUARTERLY - Radium - APRIL SG04-07

**MW395SG3-04**

Collected: 4/12/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.83	Inches/Hg			
Conductivity		414	umho/cm			
Depth to Water		51.82	ft			
Dissolved Oxygen		3.98	mg/L			
pH		6.26	Std Unit			
Redox		161	mV			
Temperature		58.4	deg F			
Turbidity		3.7	NTU			
<b>RADS</b>						
Radium-226	U	-0.115	pCi/L	0.295	0.867	RL-7129

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**MW396**

**SG04-07**

## C-746 S&T QUARTERLY - Radium - APRIL SG04-07

**MW396SG3-04**

Collected: 4/12/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.83	Inches/Hg			
Conductivity		1040	umho/cm			
Depth to Water		6.83	ft			
Dissolved Oxygen		1.34	mg/L			
pH		6.87	Std Unit			
Redox		-6	mV			
Temperature		56.9	deg F			
Turbidity		17.3	NTU			
<b>RADS</b>						
Radium-226	U	-0.082	pCi/L	0	0.99	RL-7129

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**MW397**

**SG04-07**

## C-746 S&T QUARTERLY - Radium - APRIL SG04-07

**MW397SG3-04**

Collected: 4/12/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.83	Inches/Hg			
Conductivity		333	umho/cm			
Depth to Water		59.88	ft			
Dissolved Oxygen		5.8	mg/L			
pH		6.2	Std Unit			
Redox		163	mV			
Temperature		56.2	deg F			
Turbidity		2.6	NTU			
<b>RADS</b>						
Radium-226	U	0.174	pCi/L	0.296	0.87	RL-7129

MW179

SG98-01

C-746S&T Groundwater Monitoring 1st Quarter FY98

5714-97

Collected: 10/6/1997

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		33	mg/L			IN7120
Nitrate as Nitrogen	U	1	mg/L			IN7120
Total Organic Carbon (TOC)	U	1	mg/L			ST7480
Total Organic Halides (TOX)		0.052	mg/L			SW846-9020
<b>Field P</b>						
Depth to Water		33.47	ft			
Dissolved Oxygen		4.05	mg/L			
pH		5.98	Std Unit			
Specific Conductivity (PIP)		572	umho/cm			
Temperature		67.4	deg F			
<b>METAL</b>						
Barium	U	0.05	mg/L			SW846-6010
Beryllium	U	0.025	mg/L			SW846-6010
Cadmium	WU	0.005	mg/L			SW846-7131
Chromium		0.052	mg/L			SW846-6010
Cobalt	U	0.05	mg/L			SW846-6010
Copper	U	0.1	mg/L			SW846-6010
Iron	BN*	1.27	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Nickel	U	0.1	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	U	0.05	mg/L			SW846-6010
Sodium	N	40.2	mg/L			SW846-6010
Thallium	NU	0.4	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Vanadium		0.119	mg/L			SW846-6010
Zinc	BNU	0.1	mg/L			SW846-6010
<b>METAL-D</b>						
Chromium	U	0.05	mg/L			SW846-6010
<b>PHYSC</b>						
Chemical Oxygen Demand (COD)	<	25	mg/L			IN7430
Dissolved Solids		399	mg/L			IN7475
Turbidity	J	13	NTU			IN7490
<b>RADS</b>						
Alpha activity		1.7	pCi/L	0.8		RL-7122
Beta activity		6	pCi/L	1		RL-7122
Technetium-99		1	pCi/L	14		RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L			SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L			SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1-Dichloroethane	U	0.005	mg/L			SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L			SW846-8260
1,2-Dibromo-3-chloropropane	UX	0.01	mg/L			SW846-8260
1,2-Dibromoethane	U	0.005	mg/L			SW846-8260

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## C-746S&amp;T Groundwater Monitoring 1st Quarter FY98

1,2-Dichloroethane	U	0.005	mg/L	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	SW846-8260
2-Butanone	UX	0.01	mg/L	SW846-8260
2-Chloroethyl vinyl ether	UX	0.01	mg/L	SW846-8260
2-Hexanone	UX	0.01	mg/L	SW846-8260
4-Methyl-2-pentanone	UX	0.01	mg/L	SW846-8260
Acetone	UX	0.01	mg/L	SW846-8260
Acrolein	U	0.01	mg/L	SW846-8260
Acrylonitrile	U	0.01	mg/L	SW846-8260
Benzene	U	0.005	mg/L	SW846-8260
Bromochloromethane	U	0.005	mg/L	SW846-8260
Bromodichloromethane	U	0.005	mg/L	SW846-8260
Bromoform	U	0.005	mg/L	SW846-8260
Bromomethane	U	0.005	mg/L	SW846-8260
Carbon disulfide	U	0.005	mg/L	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	SW846-8260
Chlorobenzene	U	0.005	mg/L	SW846-8260
Chloroethane	U	0.005	mg/L	SW846-8260
Chloromethane	U	0.005	mg/L	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Dibromochloromethane	U	0.005	mg/L	SW846-8260
Dibromomethane	U	0.005	mg/L	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	SW846-8260
Ethanol	UYJ	0.25	mg/L	SW846-8015
Ethyl methacrylate	U	0.005	mg/L	SW846-8260
Ethylbenzene	U	0.005	mg/L	SW846-8260
Iodomethane	U	0.005	mg/L	SW846-8260
Methylene chloride	U	0.01	mg/L	SW846-8260
Styrene	U	0.005	mg/L	SW846-8260
Tetrachloroethene	U	0.005	mg/L	SW846-8260
Toluene	U	0.005	mg/L	SW846-8260
Total Xylene	U	0.005	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Trans-1,4-Dichloro-2-butene	UX	0.01	mg/L	SW846-8260
Trichloroethene		0.004	mg/L	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L	SW846-8260
Vinyl acetate	UX	0.01	mg/L	SW846-8260
Vinyl chloride	U	0.002	mg/L	SW846-8260

MW181

SG98-01

## C-746S&amp;T Groundwater Monitoring 1st Quarter FY98

5715-97

Collected: 10/6/1997

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		64.2	mg/L			IN7120
Nitrate as Nitrogen		1.2	mg/L			IN7120
Total Organic Carbon (TOC)		1	mg/L			ST7480
Total Organic Halides (TOX)	U	0.025	mg/L			SW846-9020
<b>Field P</b>						
Depth to Water		45.16	ft			
Dissolved Oxygen		4	mg/L			
pH		5.72	Std Unit			
Specific Conductivity (PIP)		539	umho/cm			
Temperature		61.8	deg F			
<b>METAL</b>						
Barium		0.188	mg/L			SW846-6010
Beryllium	U	0.025	mg/L			SW846-6010
Cadmium	WU	0.005	mg/L			SW846-7131
Chromium		3.18	mg/L			SW846-6010
Cobalt	U	0.05	mg/L			SW846-6010
Copper	U	0.1	mg/L			SW846-6010
Iron	N*	12.2	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Nickel		1.82	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	U	0.05	mg/L			SW846-6010
Sodium	N	51.2	mg/L			SW846-6010
Thallium	NU	0.4	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Vanadium	U	0.1	mg/L			SW846-6010
Zinc	BNU	0.1	mg/L			SW846-6010
<b>METAL-D</b>						
Barium		0.16	mg/L			SW846-6010
Chromium	U	0.05	mg/L			SW846-6010
<b>PHYSC</b>						
Chemical Oxygen Demand (COD)	<	25	mg/L			IN7430
Dissolved Solids		303	mg/L			IN7475
Turbidity	J	90	NTU			IN7490
<b>RADS</b>						
Alpha activity		7.5	pCi/L	2.2		RL-7122
Beta activity		91	pCi/L	7		RL-7122
Technetium-99		122	pCi/L	15		RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L			SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L			SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1-Dichloroethane	U	0.005	mg/L			SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L			SW846-8260
1,2-Dibromo-3-chloropropane	UX	0.01	mg/L			SW846-8260

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## SG98-01

## C-746S&amp;T Groundwater Monitoring 1st Quarter FY98

1,2-Dibromoethane	U	0.005	mg/L	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	SW846-8260
2-Butanone	UX	0.01	mg/L	SW846-8260
2-Chloroethyl vinyl ether	UX	0.01	mg/L	SW846-8260
2-Hexanone	UX	0.01	mg/L	SW846-8260
4-Methyl-2-pentanone	UX	0.01	mg/L	SW846-8260
Acetone	UX	0.01	mg/L	SW846-8260
Acrolein	U	0.01	mg/L	SW846-8260
Acrylonitrile	U	0.01	mg/L	SW846-8260
Benzene	U	0.005	mg/L	SW846-8260
Bromochloromethane	U	0.005	mg/L	SW846-8260
Bromodichloromethane	U	0.005	mg/L	SW846-8260
Bromoform	U	0.005	mg/L	SW846-8260
Bromomethane	U	0.005	mg/L	SW846-8260
Carbon disulfide	U	0.005	mg/L	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	SW846-8260
Chlorobenzene	U	0.005	mg/L	SW846-8260
Chloroethane	U	0.005	mg/L	SW846-8260
Chloromethane	U	0.005	mg/L	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Dibromochloromethane	U	0.005	mg/L	SW846-8260
Dibromomethane	U	0.005	mg/L	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	SW846-8260
Ethanol	UY	0.25	mg/L	SW846-8015
Ethyl methacrylate	U	0.005	mg/L	SW846-8260
Ethylbenzene	U	0.005	mg/L	SW846-8260
Iodomethane	U	0.005	mg/L	SW846-8260
Methylene chloride	U	0.01	mg/L	SW846-8260
Styrene	U	0.005	mg/L	SW846-8260
Tetrachloroethene	U	0.005	mg/L	SW846-8260
Toluene	U	0.005	mg/L	SW846-8260
Total Xylene	U	0.005	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Trans-1,4-Dichloro-2-butene	UX	0.01	mg/L	SW846-8260
Trichloroethene	U	0.001	mg/L	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L	SW846-8260
Vinyl acetate	UX	0.01	mg/L	SW846-8260
Vinyl chloride	U	0.002	mg/L	SW846-8260



MW220

SG98-01

## C-746S&amp;T Groundwater Monitoring 1st Quarter FY98

5716-97

Collected: 10/6/1997

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		43.3	mg/L			IN7120
Nitrate as Nitrogen		2.3	mg/L			IN7120
Total Organic Carbon (TOC)	U	1	mg/L			ST7480
Total Organic Halides (TOX)		0.052	mg/L			SW846-9020
<b>Field P</b>						
Depth to Water		42.11	ft			
Dissolved Oxygen		4.89	mg/L			
pH		5.8	Std Unit			
Specific Conductivity (PIP)		365	umho/cm			
Temperature		66.2	deg F			
<b>METAL</b>						
Barium		0.204	mg/L			SW846-6010
Beryllium	U	0.025	mg/L			SW846-6010
Cadmium	WU	0.005	mg/L			SW846-7131
Chromium		0.719	mg/L			SW846-6010
Cobalt	U	0.05	mg/L			SW846-6010
Copper	U	0.1	mg/L			SW846-6010
Iron	N*	3.22	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Nickel	U	0.1	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	U	0.05	mg/L			SW846-6010
Sodium	N	35.3	mg/L			SW846-6010
Thallium	NU	0.4	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Vanadium	U	0.1	mg/L			SW846-6010
Zinc	BNU	0.1	mg/L			SW846-6010
<b>METAL-D</b>						
Barium		0.188	mg/L			SW846-6010
Chromium	U	0.05	mg/L			SW846-6010
<b>PHYSC</b>						
Chemical Oxygen Demand (COD)	<	25	mg/L			IN7430
Dissolved Solids	*	218	mg/L			IN7475
Turbidity	J	31	NTU			IN7490
<b>RADS</b>						
Alpha activity		2.4	pCi/L	1		RL-7122
Beta activity		10	pCi/L	2		RL-7122
Technetium-99		6	pCi/L	12		RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L			SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L			SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1-Dichloroethane	U	0.005	mg/L			SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L			SW846-8260
1,2-Dibromo-3-chloropropane	UX	0.01	mg/L			SW846-8260

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1,2-Dibromoethane	U	0.005	mg/L	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	SW846-8260
2-Hexanone	UX	0.01	mg/L	SW846-8260
4-Methyl-2-pentanone	UX	0.01	mg/L	SW846-8260
Benzene	U	0.005	mg/L	SW846-8260
Bromochloromethane	U	0.005	mg/L	SW846-8260
Bromodichloromethane	U	0.005	mg/L	SW846-8260
Bromoform	U	0.005	mg/L	SW846-8260
Bromomethane	U	0.005	mg/L	SW846-8260
Carbon disulfide	U	0.005	mg/L	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	SW846-8260
Chlorobenzene	U	0.005	mg/L	SW846-8260
Chloroethane	U	0.005	mg/L	SW846-8260
Chloromethane	U	0.005	mg/L	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Dibromochloromethane	U	0.005	mg/L	SW846-8260
Dibromomethane	U	0.005	mg/L	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	SW846-8260
Ethyl methacrylate	U	0.005	mg/L	SW846-8260
Ethylbenzene	U	0.005	mg/L	SW846-8260
Iodomethane	U	0.005	mg/L	SW846-8260
Methylene chloride	U	0.01	mg/L	SW846-8260
Styrene	U	0.005	mg/L	SW846-8260
Tetrachloroethene	U	0.005	mg/L	SW846-8260
Toluene	U	0.005	mg/L	SW846-8260
Total Xylene	U	0.005	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Trans-1,4-Dichloro-2-butene	UX	0.01	mg/L	SW846-8260
Trichloroethene	U	0.001	mg/L	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L	SW846-8260
Vinyl acetate	UX	0.01	mg/L	SW846-8260
Vinyl chloride	U	0.002	mg/L	SW846-8260

**MW221**

**SG98-01**

**C-746S&T Groundwater Monitoring 1st Quarter FY98**

**5717-97**

Collected: 10/8/1997

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		49.1	mg/L			IN7120
Nitrate as Nitrogen		1.4	mg/L			IN7120
Total Organic Carbon (TOC)	U	1	mg/L			ST7480
Total Organic Halides (TOX)	U	0.025	mg/L			SW846-9020
<b>Field P</b>						
Depth to Water		65.79	ft			
Dissolved Oxygen		6.88	mg/L			
pH		6	Std Unit			
Specific Conductivity (PIP)		426	umho/cm			
Temperature		66.7	deg F			
<b>METAL</b>						
Barium		0.234	mg/L			SW846-6010
Beryllium	U	0.025	mg/L			SW846-6010
Cadmium	WU	0.005	mg/L			SW846-7131
Chromium		0.111	mg/L			SW846-6010
Cobalt	U	0.05	mg/L			SW846-6010
Copper	U	0.1	mg/L			SW846-6010
Iron	BN*	0.781	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Nickel	U	0.1	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	U	0.05	mg/L			SW846-6010
Sodium	N	40.8	mg/L			SW846-6010
Strontium		0.108	mg/L			SW846-6010
Thallium	NU	0.4	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Vanadium	U	0.1	mg/L			SW846-6010
Zinc	BNU	0.1	mg/L			SW846-6010
<b>METAL-D</b>						
Barium		0.223	mg/L			SW846-6010
Chromium	U	0.05	mg/L			SW846-6010
Strontium		0.1	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Vanadium	U	0.1	mg/L			SW846-6010
<b>PHYSC</b>						
Chemical Oxygen Demand (COD)	<	25	mg/L			IN7430
Dissolved Solids		220	mg/L			IN7475
Suspended Solids	U	10	mg/L			IN7475
Total Solids		241	mg/L			IN7475
Turbidity		7.1	NTU			IN7490
<b>RADS</b>						
Alpha activity		0.5	pCi/L	0.2		RL-7122
Beta activity		6	pCi/L	1		RL-7122
Technetium-99		-2	pCi/L	0		RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L			SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L			SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260

## MW221

## SG98-01

## C-746S&amp;T Groundwater Monitoring 1st Quarter FY98

1,1,1-Trichloroethane	U	0.005	mg/L	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L	SW846-8260
1,2-Dibromo-3-chloropropane	UX	0.01	mg/L	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	SW846-8260
2-Butanone	UX	0.01	mg/L	SW846-8260
2-Chloroethyl vinyl ether	UX	0.01	mg/L	SW846-8260
2-Hexanone	UX	0.01	mg/L	SW846-8260
4-Methyl-2-pentanone	UX	0.01	mg/L	SW846-8260
Acetone	UX	0.01	mg/L	SW846-8260
Acrolein	U	0.01	mg/L	SW846-8260
Acrylonitrile	U	0.01	mg/L	SW846-8260
Benzene	U	0.005	mg/L	SW846-8260
Bromochloromethane	U	0.005	mg/L	SW846-8260
Bromodichloromethane	U	0.005	mg/L	SW846-8260
Bromoform	U	0.005	mg/L	SW846-8260
Bromomethane	U	0.005	mg/L	SW846-8260
Carbon disulfide	U	0.005	mg/L	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	SW846-8260
Chlorobenzene	U	0.005	mg/L	SW846-8260
Chloroethane	U	0.005	mg/L	SW846-8260
Chloromethane	U	0.005	mg/L	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Dibromochloromethane	U	0.005	mg/L	SW846-8260
Dibromomethane	U	0.005	mg/L	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	SW846-8260
Ethanol	UY	0.25	mg/L	SW846-8015
Ethyl methacrylate	U	0.005	mg/L	SW846-8260
Ethylbenzene	U	0.005	mg/L	SW846-8260
Iodomethane	U	0.005	mg/L	SW846-8260
Methylene chloride	U	0.01	mg/L	SW846-8260
Styrene	U	0.005	mg/L	SW846-8260
Tetrachloroethene	U	0.005	mg/L	SW846-8260
Toluene	U	0.005	mg/L	SW846-8260
Total Xylene	U	0.005	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Trans-1,4-Dichloro-2-butene	UX	0.01	mg/L	SW846-8260
Trichloroethene		0.005	mg/L	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L	SW846-8260
Vinyl acetate	UX	0.01	mg/L	SW846-8260
Vinyl chloride	U	0.002	mg/L	SW846-8260

MW222

SG98-01

## C-746S&amp;T Groundwater Monitoring 1st Quarter FY98

5718-97

Collected: 10/7/1997

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		19.2	mg/L			IN7120
Nitrate as Nitrogen	U	1	mg/L			IN7120
Total Organic Carbon (TOC)	U	1	mg/L			ST7480
Total Organic Halides (TOX)	U	0.025	mg/L			SW846-9020
<b>Field P</b>						
Depth to Water		69.84	ft			
Dissolved Oxygen		6.99	mg/L			
pH		6.25	Std Unit			
Specific Conductivity (PIP)		314	umho/cm			
Temperature		63.5	deg F			
<b>METAL</b>						
Barium		0.243	mg/L			SW846-6010
Beryllium	U	0.025	mg/L			SW846-6010
Cadmium	WU	0.005	mg/L			SW846-7131
Chromium		0.058	mg/L			SW846-6010
Cobalt	U	0.05	mg/L			SW846-6010
Copper	U	0.1	mg/L			SW846-6010
Iron	N*	7.27	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Nickel	U	0.1	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	U	0.05	mg/L			SW846-6010
Sodium	N	45.9	mg/L			SW846-6010
Thallium	NU	0.4	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Vanadium	U	0.1	mg/L			SW846-6010
Zinc	BNU	0.1	mg/L			SW846-6010
<b>METAL-D</b>						
Barium		0.204	mg/L			SW846-6010
Chromium	U	0.05	mg/L			SW846-6010
<b>PHYSC</b>						
Chemical Oxygen Demand (COD)	<	25	mg/L			IN7430
Dissolved Solids		235	mg/L			IN7475
Turbidity		75	NTU			IN7490
<b>RADS</b>						
Alpha activity		2.6	pCi/L	1.1		RL-7122
Beta activity		4	pCi/L	1		RL-7122
Technetium-99		-2	pCi/L	0		RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L			SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L			SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1-Dichloroethane	U	0.005	mg/L			SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L			SW846-8260
1,2-Dibromo-3-chloropropane	UX	0.01	mg/L			SW846-8260

**MW222****SG98-01****C-746S&T Groundwater Monitoring 1st Quarter FY98**

1,2-Dibromoethane	U	0.005	mg/L	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	SW846-8260
2-Butanone	UX	0.01	mg/L	SW846-8260
2-Chloroethyl vinyl ether	UX	0.01	mg/L	SW846-8260
2-Hexanone	UX	0.01	mg/L	SW846-8260
4-Methyl-2-pentanone	UX	0.01	mg/L	SW846-8260
Acetone	UX	0.01	mg/L	SW846-8260
Acrolein	U	0.01	mg/L	SW846-8260
Acrylonitrile	U	0.01	mg/L	SW846-8260
Benzene	U	0.005	mg/L	SW846-8260
Bromochloromethane	U	0.005	mg/L	SW846-8260
Bromodichloromethane	U	0.005	mg/L	SW846-8260
Bromoform	U	0.005	mg/L	SW846-8260
Bromomethane	U	0.005	mg/L	SW846-8260
Carbon disulfide	U	0.005	mg/L	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	SW846-8260
Chlorobenzene	U	0.005	mg/L	SW846-8260
Chloroethane	U	0.005	mg/L	SW846-8260
Chloromethane	U	0.005	mg/L	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Dibromochloromethane	U	0.005	mg/L	SW846-8260
Dibromomethane	U	0.005	mg/L	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	SW846-8260
Ethanol	UY	0.25	mg/L	SW846-8015
Ethyl methacrylate	U	0.005	mg/L	SW846-8260
Ethylbenzene	U	0.005	mg/L	SW846-8260
Iodomethane	U	0.005	mg/L	SW846-8260
Methylene chloride	U	0.01	mg/L	SW846-8260
Styrene	U	0.005	mg/L	SW846-8260
Tetrachloroethene	U	0.005	mg/L	SW846-8260
Toluene	U	0.005	mg/L	SW846-8260
Total Xylene	U	0.005	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Trans-1,4-Dichloro-2-butene	UX	0.01	mg/L	SW846-8260
Trichloroethene	U	0.001	mg/L	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L	SW846-8260
Vinyl acetate	UX	0.01	mg/L	SW846-8260
Vinyl chloride	U	0.002	mg/L	SW846-8260

MW223

SG98-01

C-746S&T Groundwater Monitoring 1st Quarter FY98

5719-97

Collected: 10/7/1997

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		37	mg/L			IN7120
Nitrate as Nitrogen		2.1	mg/L			IN7120
Total Organic Carbon (TOC)	U	1	mg/L			ST7480
Total Organic Halides (TOX)	U	0.025	mg/L			SW846-9020
<b>Field P</b>						
Depth to Water		68.97	ft			
Dissolved Oxygen		3.05	mg/L			
pH		6.1	Std Unit			
Specific Conductivity (PIP)		385	umho/cm			
Temperature		64	deg F			
<b>METAL</b>						
Barium		0.143	mg/L			SW846-6010
Beryllium	U	0.025	mg/L			SW846-6010
Cadmium	WU	0.005	mg/L			SW846-7131
Chromium		0.096	mg/L			SW846-6010
Cobalt	U	0.05	mg/L			SW846-6010
Copper	U	0.1	mg/L			SW846-6010
Iron	N*	3.08	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Nickel		1.18	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	U	0.05	mg/L			SW846-6010
Sodium	N	41.3	mg/L			SW846-6010
Thallium	NU	0.4	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Vanadium	U	0.1	mg/L			SW846-6010
Zinc	BN	0.34	mg/L			SW846-6010
<b>METAL-D</b>						
Barium		0.131	mg/L			SW846-6010
Chromium	U	0.05	mg/L			SW846-6010
<b>PHYSC</b>						
Chemical Oxygen Demand (COD)	<	25	mg/L			IN7430
Dissolved Solids		233	mg/L			IN7475
Turbidity		24	NTU			IN7490
<b>RADS</b>						
Alpha activity		1	pCi/L	0.5		RL-7122
Beta activity		10	pCi/L	2		RL-7122
Technetium-99		6	pCi/L	12		RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L			SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L			SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1-Dichloroethane	U	0.005	mg/L			SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L			SW846-8260
1,2-Dibromo-3-chloropropane	U	0.01	mg/L			SW846-8260

## MW223

## SG98-01

## C-746S&amp;T Groundwater Monitoring 1st Quarter FY98

1,2-Dibromoethane	U	0.005	mg/L	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	SW846-8260
2-Butanone	U	0.01	mg/L	SW846-8260
2-Chloroethyl vinyl ether	U	0.01	mg/L	SW846-8260
2-Hexanone	U	0.01	mg/L	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L	SW846-8260
Acetone	U	0.01	mg/L	SW846-8260
Acrolein	U	0.01	mg/L	SW846-8260
Acrylonitrile	U	0.01	mg/L	SW846-8260
Benzene	U	0.005	mg/L	SW846-8260
Bromochloromethane	U	0.005	mg/L	SW846-8260
Bromodichloromethane	U	0.005	mg/L	SW846-8260
Bromoform	U	0.005	mg/L	SW846-8260
Bromomethane	U	0.005	mg/L	SW846-8260
Carbon disulfide	U	0.005	mg/L	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	SW846-8260
Chlorobenzene	U	0.005	mg/L	SW846-8260
Chloroethane	U	0.005	mg/L	SW846-8260
Chloromethane	U	0.005	mg/L	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Dibromochloromethane	U	0.005	mg/L	SW846-8260
Dibromomethane	U	0.005	mg/L	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	SW846-8260
Ethanol	UY	0.25	mg/L	SW846-8015
Ethyl methacrylate	U	0.005	mg/L	SW846-8260
Ethylbenzene	U	0.005	mg/L	SW846-8260
Iodomethane	U	0.005	mg/L	SW846-8260
Methylene chloride	U	0.01	mg/L	SW846-8260
Styrene	U	0.005	mg/L	SW846-8260
Tetrachloroethene	U	0.005	mg/L	SW846-8260
Toluene	U	0.005	mg/L	SW846-8260
Total Xylene	U	0.005	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.01	mg/L	SW846-8260
Trichloroethene	U	0.001	mg/L	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L	SW846-8260
Vinyl acetate	U	0.01	mg/L	SW846-8260
Vinyl chloride	U	0.002	mg/L	SW846-8260



MW224

SG98-01

C-746S&T Groundwater Monitoring 1st Quarter FY98

5720-97

Collected: 10/7/1997

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		34.9	mg/L			IN7120
Nitrate as Nitrogen		1.3	mg/L			IN7120
Total Organic Carbon (TOC)	U	1	mg/L			ST7480
Total Organic Halides (TOX)	U	0.025	mg/L			SW846-9020
<b>Field P</b>						
Depth to Water		69.95	ft			
Dissolved Oxygen		2.63	mg/L			
pH		6	Std Unit			
Specific Conductivity (PIP)		504	umho/cm			
Temperature		65.3	deg F			
<b>METAL</b>						
Barium		0.228	mg/L			SW846-6010
Beryllium	U	0.025	mg/L			SW846-6010
Cadmium	WU	0.005	mg/L			SW846-7131
Chromium	U	0.05	mg/L			SW846-6010
Cobalt	U	0.05	mg/L			SW846-6010
Copper	U	0.1	mg/L			SW846-6010
Iron	BN*U	0.25	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Nickel	U	0.1	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	U	0.05	mg/L			SW846-6010
Sodium	N	61.1	mg/L			SW846-6010
Thallium	NU	0.4	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Vanadium	U	0.1	mg/L			SW846-6010
Zinc	BNU	0.1	mg/L			SW846-6010
<b>METAL-D</b>						
Barium		0.229	mg/L			SW846-6010
<b>PHYSC</b>						
Chemical Oxygen Demand (COD)	<	25	mg/L			IN7430
Dissolved Solids		298	mg/L			IN7475
Turbidity		1.4	NTU			IN7490
<b>RADS</b>						
Alpha activity		2.4	pCi/L	1.1		RL-7122
Beta activity		3	pCi/L	1		RL-7122
Technetium-99		-8	pCi/L	0		RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L			SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L			SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1-Dichloroethane	U	0.005	mg/L			SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L			SW846-8260
1,2-Dibromo-3-chloropropane	U	0.01	mg/L			SW846-8260
1,2-Dibromoethane	U	0.005	mg/L			SW846-8260

**MW224****SG98-01****C-746S&T Groundwater Monitoring 1st Quarter FY98**

1,2-Dichloroethane	U	0.005	mg/L	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	SW846-8260
2-Butanone	U	0.01	mg/L	SW846-8260
2-Chloroethyl vinyl ether	U	0.01	mg/L	SW846-8260
2-Hexanone	U	0.01	mg/L	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L	SW846-8260
Acetone	U	0.01	mg/L	SW846-8260
Acrolein	U	0.01	mg/L	SW846-8260
Acrylonitrile	U	0.01	mg/L	SW846-8260
Benzene	U	0.005	mg/L	SW846-8260
Bromochloromethane	U	0.005	mg/L	SW846-8260
Bromodichloromethane	U	0.005	mg/L	SW846-8260
Bromoform	U	0.005	mg/L	SW846-8260
Bromomethane	U	0.005	mg/L	SW846-8260
Carbon disulfide	U	0.005	mg/L	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	SW846-8260
Chlorobenzene	U	0.005	mg/L	SW846-8260
Chloroethane	U	0.005	mg/L	SW846-8260
Chloromethane	U	0.005	mg/L	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Dibromochloromethane	U	0.005	mg/L	SW846-8260
Dibromomethane	U	0.005	mg/L	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	SW846-8260
Ethanol	UY	0.25	mg/L	SW846-8015
Ethyl methacrylate	U	0.005	mg/L	SW846-8260
Ethylbenzene	U	0.005	mg/L	SW846-8260
Iodomethane	U	0.005	mg/L	SW846-8260
Methylene chloride	U	0.01	mg/L	SW846-8260
Styrene	U	0.005	mg/L	SW846-8260
Tetrachloroethene	U	0.005	mg/L	SW846-8260
Toluene	U	0.005	mg/L	SW846-8260
Total Xylene	U	0.005	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.01	mg/L	SW846-8260
Trichloroethene		0.001	mg/L	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L	SW846-8260
Vinyl acetate	U	0.01	mg/L	SW846-8260
Vinyl chloride	U	0.002	mg/L	SW846-8260

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12/18/2007

**MW225**

**SG98-01**

## C-746S&T Groundwater Monitoring 1st Quarter FY98

**5771-97**

Collected: 10/6/1997

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		59.96	ft			

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**MW263**

**SG98-01**

**C-746S&T Groundwater Monitoring 1st Quarter FY98**

**5721-97**

Collected: 10/6/1997

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		36.2	mg/L			IN7120
Nitrate as Nitrogen	U	1	mg/L			IN7120
Total Organic Carbon (TOC)		1	mg/L			ST7480
Total Organic Halides (TOX)	U	0.025	mg/L			SW846-9020
<b>Field P</b>						
Depth to Water		33.99	ft			
Dissolved Oxygen		1.31	mg/L			
pH		6.02	Std Unit			
Specific Conductivity (PIP)		577	umho/cm			
Temperature		63.2	deg F			
<b>METAL</b>						
Barium		0.057	mg/L			SW846-6010
Beryllium	U	0.025	mg/L			SW846-6010
Cadmium	WU	0.005	mg/L			SW846-7131
Chromium		0.223	mg/L			SW846-6010
Cobalt	U	0.05	mg/L			SW846-6010
Copper	U	0.1	mg/L			SW846-6010
Iron	BN*	0.718	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Nickel	U	0.1	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	U	0.05	mg/L			SW846-6010
Sodium	N	47.1	mg/L			SW846-6010
Thallium	NU	0.4	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Vanadium		0.118	mg/L			SW846-6010
Zinc	BNU	0.1	mg/L			SW846-6010
<b>METAL-D</b>						
Barium		0.056	mg/L			SW846-6010
Chromium	U	0.05	mg/L			SW846-6010
<b>PHYSC</b>						
Chemical Oxygen Demand (COD)	<	25	mg/L			IN7430
Dissolved Solids		339	mg/L			IN7475
Turbidity		7.6	NTU			IN7490
<b>RADS</b>						
Alpha activity		1.9	pCi/L	0.8		RL-7122
Beta activity		33	pCi/L	4		RL-7122
Technetium-99		26	pCi/L	12		RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L			SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L			SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1-Dichloroethane	U	0.005	mg/L			SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L			SW846-8260
1,2-Dibromo-3-chloropropane	U	0.01	mg/L			SW846-8260

## MW263

## SG98-01

## C-746S&amp;T Groundwater Monitoring 1st Quarter FY98

1,2-Dibromoethane	U	0.005	mg/L	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	SW846-8260
2-Butanone	U	0.01	mg/L	SW846-8260
2-Chloroethyl vinyl ether	U	0.01	mg/L	SW846-8260
2-Hexanone	U	0.01	mg/L	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L	SW846-8260
Acetone	U	0.01	mg/L	SW846-8260
Acrolein	U	0.01	mg/L	SW846-8260
Acrylonitrile	U	0.01	mg/L	SW846-8260
Benzene	U	0.005	mg/L	SW846-8260
Bromochloromethane	U	0.005	mg/L	SW846-8260
Bromodichloromethane	U	0.005	mg/L	SW846-8260
Bromoform	U	0.005	mg/L	SW846-8260
Bromomethane	U	0.005	mg/L	SW846-8260
Carbon disulfide	U	0.005	mg/L	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	SW846-8260
Chlorobenzene	U	0.005	mg/L	SW846-8260
Chloroethane	U	0.005	mg/L	SW846-8260
Chloromethane	U	0.005	mg/L	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Dibromochloromethane	U	0.005	mg/L	SW846-8260
Dibromomethane	U	0.005	mg/L	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	SW846-8260
Ethanol	UY	0.25	mg/L	SW846-8015
Ethyl methacrylate	U	0.005	mg/L	SW846-8260
Ethylbenzene	U	0.005	mg/L	SW846-8260
Iodomethane	U	0.005	mg/L	SW846-8260
Methylene chloride	U	0.01	mg/L	SW846-8260
Styrene	U	0.005	mg/L	SW846-8260
Tetrachloroethene	U	0.005	mg/L	SW846-8260
Toluene	U	0.005	mg/L	SW846-8260
Total Xylene	U	0.005	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.01	mg/L	SW846-8260
Trichloroethene		0.006	mg/L	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L	SW846-8260
Vinyl acetate	U	0.01	mg/L	SW846-8260
Vinyl chloride	U	0.002	mg/L	SW846-8260

MW264

SG98-01

C-746S&T Groundwater Monitoring 1st Quarter FY98

5722-97

Collected: 10/6/1997

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		50.9	mg/L			IN7120
Nitrate as Nitrogen	U	1	mg/L			IN7120
Total Organic Carbon (TOC)	U	1	mg/L			ST7480
Total Organic Halides (TOX)	U	0.025	mg/L			SW846-9020
<b>Field P</b>						
Depth to Water		39.57	ft			
Dissolved Oxygen		1.4	mg/L			
pH		6.23	Std Unit			
Specific Conductivity (PIP)		584	umho/cm			
Temperature		62	deg F			
<b>METAL</b>						
Barium		0.156	mg/L			SW846-6010
Beryllium	U	0.025	mg/L			SW846-6010
Cadmium	WU	0.005	mg/L			SW846-7131
Chromium	U	0.05	mg/L			SW846-6010
Cobalt	U	0.05	mg/L			SW846-6010
Copper	U	0.1	mg/L			SW846-6010
Iron	BN*	0.329	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Nickel	U	0.1	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	U	0.05	mg/L			SW846-6010
Sodium	N	46.5	mg/L			SW846-6010
Thallium	NU	0.4	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Vanadium	U	0.1	mg/L			SW846-6010
Zinc	BN	0.198	mg/L			SW846-6010
<b>METAL-D</b>						
Barium		0.148	mg/L			SW846-6010
<b>PHYSC</b>						
Chemical Oxygen Demand (COD)	<	25	mg/L			IN7430
Dissolved Solids		310	mg/L			IN7475
Turbidity		4.4	NTU			IN7490
<b>RADS</b>						
Alpha activity		4.8	pCi/L	1.8		RL-7122
Beta activity		7	pCi/L	1		RL-7122
Technetium-99		-3	pCi/L	0		RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L			SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L			SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1-Dichloroethane	U	0.005	mg/L			SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L			SW846-8260
1,2-Dibromo-3-chloropropane	U	0.01	mg/L			SW846-8260
1,2-Dibromoethane	U	0.005	mg/L			SW846-8260

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1,2-Dichloroethane	U	0.005	mg/L	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	SW846-8260
2-Butanone	U	0.01	mg/L	SW846-8260
2-Chloroethyl vinyl ether	U	0.01	mg/L	SW846-8260
2-Hexanone	U	0.01	mg/L	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L	SW846-8260
Acetone	U	0.01	mg/L	SW846-8260
Acrolein	U	0.01	mg/L	SW846-8260
Acrylonitrile	U	0.01	mg/L	SW846-8260
Benzene	U	0.005	mg/L	SW846-8260
Bromochloromethane	U	0.005	mg/L	SW846-8260
Bromodichloromethane	U	0.005	mg/L	SW846-8260
Bromoform	U	0.005	mg/L	SW846-8260
Bromomethane	U	0.005	mg/L	SW846-8260
Carbon disulfide	U	0.005	mg/L	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	SW846-8260
Chlorobenzene	U	0.005	mg/L	SW846-8260
Chloroethane	U	0.005	mg/L	SW846-8260
Chloromethane	U	0.005	mg/L	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Dibromochloromethane	U	0.005	mg/L	SW846-8260
Dibromomethane	U	0.005	mg/L	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	SW846-8260
Ethanol	UY	0.25	mg/L	SW846-8015
Ethyl methacrylate	U	0.005	mg/L	SW846-8260
Ethylbenzene	U	0.005	mg/L	SW846-8260
Iodomethane	U	0.005	mg/L	SW846-8260
Methylene chloride	U	0.01	mg/L	SW846-8260
Styrene	U	0.005	mg/L	SW846-8260
Tetrachloroethene	U	0.005	mg/L	SW846-8260
Toluene	U	0.005	mg/L	SW846-8260
Total Xylene	U	0.005	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.01	mg/L	SW846-8260
Trichloroethene		0.002	mg/L	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L	SW846-8260
Vinyl acetate	U	0.01	mg/L	SW846-8260
Vinyl chloride	U	0.002	mg/L	SW846-8260

**MW265**

**SG98-01**

**C-746S&T Groundwater Monitoring 1st Quarter FY98**

**5723-97**

Collected: 10/6/1997

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		33.8	mg/L			IN7120
Nitrate as Nitrogen	U	1	mg/L			IN7120
Total Organic Carbon (TOC)	U	1	mg/L			ST7480
Total Organic Halides (TOX)	U	0.025	mg/L			SW846-9020
<b>Field P</b>						
Depth to Water		42.76	ft			
Dissolved Oxygen		2.53	mg/L			
pH		6	Std Unit			
Specific Conductivity (PIP)		371	umho/cm			
Temperature		62.7	deg F			
<b>METAL</b>						
Barium		0.22	mg/L			SW846-6010
Beryllium	U	0.025	mg/L			SW846-6010
Cadmium	WU	0.005	mg/L			SW846-7131
Chromium		0.754	mg/L			SW846-6010
Cobalt	U	0.05	mg/L			SW846-6010
Copper	U	0.1	mg/L			SW846-6010
Iron	N*	7.41	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Nickel	U	0.1	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	U	0.05	mg/L			SW846-6010
Sodium	N	38.4	mg/L			SW846-6010
Thallium	NU	0.4	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Vanadium	U	0.1	mg/L			SW846-6010
Zinc	BN	0.105	mg/L			SW846-6010
<b>METAL-D</b>						
Barium		0.193	mg/L			SW846-6010
Chromium	U	0.05	mg/L			SW846-6010
<b>PHYSC</b>						
Chemical Oxygen Demand (COD)	<	25	mg/L			IN7430
Dissolved Solids		236	mg/L			IN7475
Turbidity	J	33	NTU			IN7490
<b>RADS</b>						
Alpha activity		-1.1	pCi/L	-0.6		RL-7122
Beta activity		9	pCi/L	1		RL-7122
Technetium-99		2	pCi/L	13		RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L			SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L			SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1-Dichloroethane	U	0.005	mg/L			SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L			SW846-8260
1,2-Dibromo-3-chloropropane	U	0.01	mg/L			SW846-8260



## MW265

## SG98-01

## C-746S&amp;T Groundwater Monitoring 1st Quarter FY98

1,2-Dibromoethane	U	0.005	mg/L	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	SW846-8260
2-Butanone	U	0.01	mg/L	SW846-8260
2-Chloroethyl vinyl ether	U	0.01	mg/L	SW846-8260
2-Hexanone	U	0.01	mg/L	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L	SW846-8260
Acetone	U	0.01	mg/L	SW846-8260
Acrolein	U	0.01	mg/L	SW846-8260
Acrylonitrile	U	0.01	mg/L	SW846-8260
Benzene	U	0.005	mg/L	SW846-8260
Bromochloromethane	U	0.005	mg/L	SW846-8260
Bromodichloromethane	U	0.005	mg/L	SW846-8260
Bromoform	U	0.005	mg/L	SW846-8260
Bromomethane	U	0.005	mg/L	SW846-8260
Carbon disulfide	U	0.005	mg/L	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	SW846-8260
Chlorobenzene	U	0.005	mg/L	SW846-8260
Chloroethane	U	0.005	mg/L	SW846-8260
Chloromethane	U	0.005	mg/L	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Dibromochloromethane	U	0.005	mg/L	SW846-8260
Dibromomethane	U	0.005	mg/L	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	SW846-8260
Ethanol	UY	0.25	mg/L	SW846-8015
Ethyl methacrylate	U	0.005	mg/L	SW846-8260
Ethylbenzene	U	0.005	mg/L	SW846-8260
Iodomethane	U	0.005	mg/L	SW846-8260
Methylene chloride	U	0.01	mg/L	SW846-8260
Styrene	U	0.005	mg/L	SW846-8260
Tetrachloroethene	U	0.005	mg/L	SW846-8260
Toluene	U	0.005	mg/L	SW846-8260
Total Xylene	U	0.005	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.01	mg/L	SW846-8260
Trichloroethene		0.002	mg/L	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L	SW846-8260
Vinyl acetate	U	0.01	mg/L	SW846-8260
Vinyl chloride	U	0.002	mg/L	SW846-8260

MW266

SG98-01

C-746S&T Groundwater Monitoring 1st Quarter FY98

5724-97

Collected: 10/8/1997

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		46.1	mg/L			IN7120
Nitrate as Nitrogen		1	mg/L			IN7120
Total Organic Carbon (TOC)	U	1	mg/L			ST7480
Total Organic Halides (TOX)	U	0.025	mg/L			SW846-9020
<b>Field P</b>						
Depth to Water		39.17	ft			
Dissolved Oxygen		1.94	mg/L			
pH		5.9	Std Unit			
Specific Conductivity (PIP)		508	umho/cm			
Temperature		63.7	deg F			
<b>METAL</b>						
Barium		0.053	mg/L			SW846-6010
Beryllium	U	0.025	mg/L			SW846-6010
Cadmium	WU	0.005	mg/L			SW846-7131
Chromium		2.86	mg/L			SW846-6010
Cobalt	U	0.05	mg/L			SW846-6010
Copper	U	0.1	mg/L			SW846-6010
Iron	BN*	17.2	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Nickel		0.433	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	U	0.05	mg/L			SW846-6010
Sodium	N	32.1	mg/L			SW846-6010
Strontium		0.136	mg/L			SW846-6010
Thallium	NU	0.4	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Vanadium		0.102	mg/L			SW846-6010
Zinc	BNU	0.1	mg/L			SW846-6010
<b>METAL-D</b>						
Barium	U	0.05	mg/L			SW846-6010
Chromium	U	0.05	mg/L			SW846-6010
Strontium		0.122	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Vanadium		0.108	mg/L			SW846-6010
<b>PHYSC</b>						
Chemical Oxygen Demand (COD)	X<	25	mg/L			IN7430
Dissolved Solids		277	mg/L			IN7475
Suspended Solids		20	mg/L			IN7475
Total Solids		306	mg/L			IN7475
Turbidity		95	NTU			IN7490
<b>RADS</b>						
Alpha activity		1.3	pCi/L	0.5		RL-7122
Beta activity		10	pCi/L	2		RL-7122
Technetium-99		2	pCi/L	13		RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L			SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L			SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260

## MW266

## SG98-01

## C-746S&amp;T Groundwater Monitoring 1st Quarter FY98

1,1,1-Trichloroethane	U	0.005	mg/L	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.01	mg/L	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	SW846-8260
2-Butanone	U	0.01	mg/L	SW846-8260
2-Chloroethyl vinyl ether	U	0.01	mg/L	SW846-8260
2-Hexanone	U	0.01	mg/L	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L	SW846-8260
Acetone	U	0.01	mg/L	SW846-8260
Acrolein	U	0.01	mg/L	SW846-8260
Acrylonitrile	U	0.01	mg/L	SW846-8260
Benzene	U	0.005	mg/L	SW846-8260
Bromochloromethane	U	0.005	mg/L	SW846-8260
Bromodichloromethane	U	0.005	mg/L	SW846-8260
Bromoform	U	0.005	mg/L	SW846-8260
Bromomethane	U	0.005	mg/L	SW846-8260
Carbon disulfide	U	0.005	mg/L	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	SW846-8260
Chlorobenzene	U	0.005	mg/L	SW846-8260
Chloroethane	U	0.005	mg/L	SW846-8260
Chloromethane	U	0.005	mg/L	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Dibromochloromethane	U	0.005	mg/L	SW846-8260
Dibromomethane	U	0.005	mg/L	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	SW846-8260
Ethanol	UY	0.25	mg/L	SW846-8015
Ethyl methacrylate	U	0.005	mg/L	SW846-8260
Ethylbenzene	U	0.005	mg/L	SW846-8260
Iodomethane	U	0.005	mg/L	SW846-8260
Methylene chloride	U	0.01	mg/L	SW846-8260
Styrene	U	0.005	mg/L	SW846-8260
Tetrachloroethene	U	0.005	mg/L	SW846-8260
Toluene	U	0.005	mg/L	SW846-8260
Total Xylene	U	0.005	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.01	mg/L	SW846-8260
Trichloroethene		0.003	mg/L	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L	SW846-8260
Vinyl acetate	U	0.01	mg/L	SW846-8260
Vinyl chloride	U	0.002	mg/L	SW846-8260

MW266

SG98-01

C-746S&T Groundwater Monitoring 1st Quarter FY98

5817-97

Collected: 11/17/1997

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		41.13	ft			
Dissolved Oxygen		1.39	mg/L			
pH		5.95	Std Unit			
Specific Conductivity (PIP)		554	umho/cm			
Temperature		58.8	deg F			
<b>PHYSC</b>						
Chemical Oxygen Demand (COD)	<	25	mg/L			IN7430

MW267

SG98-01

## C-746S&amp;T Groundwater Monitoring 1st Quarter FY98

5725-97

Collected: 10/8/1997

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		44.6	mg/L			IN7120
Nitrate as Nitrogen		2.2	mg/L			IN7120
Total Organic Carbon (TOC)	U	1	mg/L			ST7480
Total Organic Halides (TOX)	U	0.025	mg/L			SW846-9020
<b>Field P</b>						
Depth to Water		54.67	ft			
Dissolved Oxygen		5.28	mg/L			
pH		5.9	Std Unit			
Specific Conductivity (PIP)		356	umho/cm			
Temperature		65.7	deg F			
<b>METAL</b>						
Barium		0.202	mg/L			SW846-6010
Beryllium	U	0.025	mg/L			SW846-6010
Cadmium	WU	0.005	mg/L			SW846-7131
Chromium		0.197	mg/L			SW846-6010
Cobalt	U	0.05	mg/L			SW846-6010
Copper	U	0.1	mg/L			SW846-6010
Iron	N*B	0.819	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Nickel	U	0.1	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	U	0.05	mg/L			SW846-6010
Sodium	N	36	mg/L			SW846-6010
Strontium		0.081	mg/L			SW846-6010
Thallium	NU	0.4	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Vanadium	U	0.1	mg/L			SW846-6010
Zinc	BNU	0.1	mg/L			SW846-6010
<b>METAL-D</b>						
Barium		0.184	mg/L			SW846-6010
Chromium	U	0.05	mg/L			SW846-6010
Strontium		0.074	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Vanadium	U	0.1	mg/L			SW846-6010
<b>PHYSC</b>						
Chemical Oxygen Demand (COD)	X<	25	mg/L			IN7430
Dissolved Solids		167	mg/L			IN7475
Suspended Solids	U	10	mg/L			IN7475
Total Solids		200	mg/L			IN7475
Turbidity		3.2	NTU			IN7490
<b>RADS</b>						
Alpha activity		1.2	pCi/L	0.5		RL-7122
Beta activity		8	pCi/L	1		RL-7122
Technetium-99		10	pCi/L	12		RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L			SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L			SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260

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## SG98-01

## C-746S&amp;T Groundwater Monitoring 1st Quarter FY98

1,1,1-Trichloroethane	U	0.005	mg/L	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.01	mg/L	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	SW846-8260
2-Butanone	U	0.01	mg/L	SW846-8260
2-Chloroethyl vinyl ether	U	0.01	mg/L	SW846-8260
2-Hexanone	U	0.01	mg/L	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L	SW846-8260
Acetone	U	0.01	mg/L	SW846-8260
Acrolein	U	0.01	mg/L	SW846-8260
Acrylonitrile	U	0.01	mg/L	SW846-8260
Benzene	U	0.005	mg/L	SW846-8260
Bromochloromethane	U	0.005	mg/L	SW846-8260
Bromodichloromethane	U	0.005	mg/L	SW846-8260
Bromoform	U	0.005	mg/L	SW846-8260
Bromomethane	U	0.005	mg/L	SW846-8260
Carbon disulfide	U	0.005	mg/L	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	SW846-8260
Chlorobenzene	U	0.005	mg/L	SW846-8260
Chloroethane	U	0.005	mg/L	SW846-8260
Chloromethane	U	0.005	mg/L	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Dibromochloromethane	U	0.005	mg/L	SW846-8260
Dibromomethane	U	0.005	mg/L	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	SW846-8260
Ethanol	UY	0.25	mg/L	SW846-8015
Ethyl methacrylate	U	0.005	mg/L	SW846-8260
Ethylbenzene	U	0.005	mg/L	SW846-8260
Iodomethane	U	0.005	mg/L	SW846-8260
Methylene chloride	U	0.01	mg/L	SW846-8260
Styrene	U	0.005	mg/L	SW846-8260
Tetrachloroethene	U	0.005	mg/L	SW846-8260
Toluene	U	0.005	mg/L	SW846-8260
Total Xylene	U	0.005	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.01	mg/L	SW846-8260
Trichloroethene	U	0.001	mg/L	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L	SW846-8260
Vinyl acetate	U	0.01	mg/L	SW846-8260
Vinyl chloride	U	0.002	mg/L	SW846-8260

**MW267**

**SG98-01**

**C-746S&T Groundwater Monitoring 1st Quarter FY98**

**5818-97**

Collected: 11/17/1997

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Depth to Water		56.31	ft			
Dissolved Oxygen		5.78	mg/L			
pH		5.68	Std Unit			
Specific Conductivity (PIP)		348	umho/cm			
Temperature		57.8	deg F			
<b>PHYSC</b>						
Chemical Oxygen Demand (COD)	<	25	mg/L			IN7430

**5819-97**

Collected: 11/17/1997

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Total Organic Carbon (TOC)	U	1	mg/L			ST7480
<b>Field P</b>						
Depth to Water		56.31	ft			
Dissolved Oxygen		5.78	mg/L			
pH		5.68	Std Unit			
Specific Conductivity (PIP)		348	umho/cm			
Temperature		57.8	deg F			
<b>PHYSC</b>						
Chemical Oxygen Demand (COD)	<	25	mg/L			IN7430

MW267

SG98-01

C-746S&T Groundwater Monitoring 1st Quarter FY98

5726-97

Collected: 10/8/1997

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		44.9	mg/L			IN7120
Nitrate as Nitrogen		2.2	mg/L			IN7120
Total Organic Carbon (TOC)	U	1	mg/L			ST7480
Total Organic Halides (TOX)	U	0.025	mg/L			SW846-9020
<b>Field P</b>						
Depth to Water		54.67	ft			
Dissolved Oxygen		5.28	mg/L			
pH		5.9	Std Unit			
Specific Conductivity (PIP)		356	umho/cm			
Temperature		65.7	deg F			
<b>METAL</b>						
Barium		0.202	mg/L			SW846-6010
Beryllium	U	0.025	mg/L			SW846-6010
Cadmium	WU	0.005	mg/L			SW846-7131
Chromium		0.174	mg/L			SW846-6010
Cobalt	U	0.05	mg/L			SW846-6010
Copper	U	0.1	mg/L			SW846-6010
Iron	BN*	0.729	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Nickel	U	0.1	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	U	0.05	mg/L			SW846-6010
Sodium	N	36.5	mg/L			SW846-6010
Strontium		0.081	mg/L			SW846-6010
Thallium	NU	0.4	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Vanadium	U	0.1	mg/L			SW846-6010
Zinc	BNU	0.1	mg/L			SW846-6010
<b>METAL-D</b>						
Barium		0.187	mg/L			SW846-6010
Chromium	U	0.05	mg/L			SW846-6010
Strontium		0.075	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Vanadium	U	0.1	mg/L			SW846-6010
<b>PHYSC</b>						
Chemical Oxygen Demand (COD)	X<	25	mg/L			IN7430
Dissolved Solids		163	mg/L			IN7475
Suspended Solids	U	10	mg/L			IN7475
Total Solids		193	mg/L			IN7475
Turbidity		4.5	NTU			IN7490
<b>RADS</b>						
Alpha activity		0.3	pCi/L	0.1		RL-7122
Beta activity		11	pCi/L	2		RL-7122
Technetium-99		8	pCi/L	12		RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L			SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L			SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260



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1,1,1-Trichloroethane	U	0.005	mg/L	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.01	mg/L	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	SW846-8260
2-Butanone	U	0.01	mg/L	SW846-8260
2-Chloroethyl vinyl ether	U	0.01	mg/L	SW846-8260
2-Hexanone	U	0.01	mg/L	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L	SW846-8260
Acetone	U	0.01	mg/L	SW846-8260
Acrolein	U	0.01	mg/L	SW846-8260
Acrylonitrile	U	0.01	mg/L	SW846-8260
Benzene	U	0.005	mg/L	SW846-8260
Bromochloromethane	U	0.005	mg/L	SW846-8260
Bromodichloromethane	U	0.005	mg/L	SW846-8260
Bromoform	U	0.005	mg/L	SW846-8260
Bromomethane	U	0.005	mg/L	SW846-8260
Carbon disulfide	U	0.005	mg/L	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	SW846-8260
Chlorobenzene	U	0.005	mg/L	SW846-8260
Chloroethane	U	0.005	mg/L	SW846-8260
Chloromethane	U	0.005	mg/L	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Dibromochloromethane	U	0.005	mg/L	SW846-8260
Dibromomethane	U	0.005	mg/L	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	SW846-8260
Ethanol	UY	0.25	mg/L	SW846-8015
Ethyl methacrylate	U	0.005	mg/L	SW846-8260
Ethylbenzene	U	0.005	mg/L	SW846-8260
Iodomethane	U	0.005	mg/L	SW846-8260
Methylene chloride	U	0.01	mg/L	SW846-8260
Styrene	U	0.005	mg/L	SW846-8260
Tetrachloroethene	U	0.005	mg/L	SW846-8260
Toluene	U	0.005	mg/L	SW846-8260
Total Xylene	U	0.005	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.01	mg/L	SW846-8260
Trichloroethene	U	0.001	mg/L	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L	SW846-8260
Vinyl acetate	U	0.01	mg/L	SW846-8260
Vinyl chloride	U	0.002	mg/L	SW846-8260

MW179

SG98-02

## C-746S&amp;T Groundwater Monitoring 2nd Quarter FY98

5028-98

Collected: 1/5/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		34.5	mg/L			IN7120
Nitrate as Nitrogen	U	1	mg/L			IN7120
Total Organic Carbon (TOC)	U	1	mg/L			SW846-9020
Total Organic Halides (TOX)		0.015	mg/L			SW846-9020
<b>Field P</b>						
Conductivity		810	umho/cm			
Depth to Water		36.08	ft			
Dissolved Oxygen		3.27	mg/L			
pH		5.97	Std Unit			
Temperature		59.7	deg F			
<b>METAL</b>						
Barium	U	0.05	mg/L			SW846-6010
Beryllium	U	0.025	mg/L			SW846-6010
Cadmium	U	0.005	mg/L			SW846-7131
Chromium	U	0.05	mg/L			SW846-6010
Cobalt	U	0.05	mg/L			SW846-6010
Copper	U	0.1	mg/L			SW846-6010
Iron		0.723	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Nickel	U	0.1	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	U	0.05	mg/L			SW846-6010
Sodium		56	mg/L			SW846-6010
Thallium	U	0.4	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Vanadium	U	0.1	mg/L			SW846-6010
Zinc	U	0.1	mg/L			SW846-6010
<b>PHYSC</b>						
Chemical Oxygen Demand (COD)	<	25	mg/L			IN7430
Dissolved Solids		524	mg/L			IN7475
Turbidity		6.4	NTU			IN7490
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L			SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L			SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1-Dichloroethane	U	0.005	mg/L			SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L			SW846-8260
1,2-Dibromoethane	U	0.005	mg/L			SW846-8260
1,2-Dichloroethane	U	0.005	mg/L			SW846-8260
1,2-Dichloropropane	U	0.005	mg/L			SW846-8260
2-Chloroethyl vinyl ether	U	0.01	mg/L			SW846-8260
2-Hexanone	U	0.01	mg/L			SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L			SW846-8260
Benzene	U	0.005	mg/L			SW846-8260
Bromochloromethane	U	0.005	mg/L			SW846-8260

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Bromodichloromethane	U	0.005	mg/L	SW846-8260
Bromoform	U	0.005	mg/L	SW846-8260
Bromomethane	U	0.005	mg/L	SW846-8260
Carbon disulfide	U	0.005	mg/L	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	SW846-8260
Chlorobenzene	U	0.005	mg/L	SW846-8260
Chloroethane	U	0.005	mg/L	SW846-8260
Chloromethane	U	0.005	mg/L	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Dibromochloromethane	U	0.005	mg/L	SW846-8260
Dibromomethane	U	0.005	mg/L	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	SW846-8260
Ethyl methacrylate	U	0.005	mg/L	SW846-8260
Ethylbenzene	U	0.005	mg/L	SW846-8260
Iodomethane	U	0.005	mg/L	SW846-8260
Methylene chloride	U	0.01	mg/L	SW846-8260
Styrene	U	0.005	mg/L	SW846-8260
Tetrachloroethene	U	0.005	mg/L	SW846-8260
Toluene	U	0.005	mg/L	SW846-8260
Total Xylene	U	0.005	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Trichloroethene		0.004	mg/L	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L	SW846-8260
Vinyl acetate	U	0.005	mg/L	SW846-8260
Vinyl chloride	U	0.002	mg/L	SW846-8260

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MW181

SG98-02

C-746S&T Groundwater Monitoring 2nd Quarter FY98

5029-98

Collected: 1/5/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride	N	62.6	mg/L			IN7120
Nitrate as Nitrogen	U	1	mg/L			IN7120
Total Organic Carbon (TOC)	U	1	mg/L			SW846-9020
Total Organic Halides (TOX)		0.033	mg/L			SW846-9020
<b>Field P</b>						
Conductivity		567	umho/cm			
Depth to Water		47.71	ft			
Dissolved Oxygen		3.87	mg/L			
pH		5.71	Std Unit			
Temperature		59.1	deg F			
<b>METAL</b>						
Barium		0.227	mg/L			SW846-6010
Beryllium	U	0.025	mg/L			SW846-6010
Cadmium	U	0.005	mg/L			SW846-7131
Chromium		2.46	mg/L			SW846-6010
Cobalt	U	0.05	mg/L			SW846-6010
Copper	U	0.1	mg/L			SW846-6010
Iron		13	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Nickel		1.89	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	U	0.05	mg/L			SW846-6010
Sodium		54.4	mg/L			SW846-6010
Thallium	U	0.4	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Vanadium	B	0.105	mg/L			SW846-6010
Zinc	UB	0.1	mg/L			SW846-6010
<b>METAL-D</b>						
Barium		0.176	mg/L			SW846-6010
Chromium		0.198	mg/L			SW846-6010
<b>PHYSC</b>						
Chemical Oxygen Demand (COD)	<	25	mg/L			IN7430
Dissolved Solids		331	mg/L			IN7475
Turbidity		100	NTU			IN7490
<b>RADS</b>						
Beta activity		156	pCi/L	9		RL-7122
Technetium-99		210	pCi/L	17		RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L			SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L			SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1-Dichloroethane	U	0.005	mg/L			SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L			SW846-8260
1,2-Dibromoethane	U	0.005	mg/L			SW846-8260
1,2-Dichloroethane	U	0.005	mg/L			SW846-8260

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1,2-Dichloropropane	U	0.005	mg/L	SW846-8260
2-Chloroethyl vinyl ether	U	0.01	mg/L	SW846-8260
2-Hexanone	U	0.01	mg/L	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L	SW846-8260
Benzene	U	0.005	mg/L	SW846-8260
Bromochloromethane	U	0.005	mg/L	SW846-8260
Bromodichloromethane	U	0.005	mg/L	SW846-8260
Bromoform	U	0.005	mg/L	SW846-8260
Bromomethane	U	0.005	mg/L	SW846-8260
Carbon disulfide	U	0.005	mg/L	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	SW846-8260
Chlorobenzene	U	0.005	mg/L	SW846-8260
Chloroethane	U	0.005	mg/L	SW846-8260
Chloromethane	U	0.005	mg/L	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Dibromochloromethane	U	0.005	mg/L	SW846-8260
Dibromomethane	U	0.005	mg/L	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	SW846-8260
Ethyl methacrylate	U	0.005	mg/L	SW846-8260
Ethylbenzene	U	0.005	mg/L	SW846-8260
Iodomethane	U	0.005	mg/L	SW846-8260
Methylene chloride	U	0.01	mg/L	SW846-8260
Styrene	U	0.005	mg/L	SW846-8260
Tetrachloroethene	U	0.005	mg/L	SW846-8260
Toluene	U	0.005	mg/L	SW846-8260
Total Xylene	U	0.005	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Trichloroethene		0.001	mg/L	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L	SW846-8260
Vinyl acetate	U	0.005	mg/L	SW846-8260
Vinyl chloride	U	0.002	mg/L	SW846-8260

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**MW220**

**SG98-02**

**C-746S&T Groundwater Monitoring 2nd Quarter FY98**

**5030-98**

Collected: 1/6/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		34.8	mg/L			IN7120
Nitrate as Nitrogen		1.5	mg/L			IN7120
Total Organic Carbon (TOC)	U	1	mg/L			SW846-9020
Total Organic Halides (TOX)		0.014	mg/L			SW846-9020
<b>Field P</b>						
Conductivity		359	umho/cm			
Depth to Water		57.96	ft			
Dissolved Oxygen		6.97	mg/L			
pH		6.02	Std Unit			
Temperature		59.7	deg F			
<b>METAL</b>						
Barium		0.2	mg/L			SW846-6010
Beryllium	U	0.025	mg/L			SW846-6010
Cadmium	U	0.005	mg/L			SW846-7131
Chromium	U	0.05	mg/L			SW846-6010
Cobalt	U	0.05	mg/L			SW846-6010
Copper	U	0.1	mg/L			SW846-6010
Iron		0.864	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Nickel		0.376	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	U	0.05	mg/L			SW846-6010
Sodium		38	mg/L			SW846-6010
Thallium	U	0.4	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Vanadium	UB	0.1	mg/L			SW846-6010
Zinc	UB	0.1	mg/L			SW846-6010
<b>METAL-D</b>						
Barium		0.171	mg/L			SW846-6010
<b>PHYSC</b>						
Chemical Oxygen Demand (COD)	<	25	mg/L			IN7430
Dissolved Solids		208	mg/L			IN7475
Turbidity		8.8	NTU			IN7490
<b>RADS</b>						
Alpha activity	A	0.6	pCi/L			RL-7122
Beta activity	A	5	pCi/L			RL-7122
Technetium-99		19	pCi/L	12		RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L			SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L			SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1-Dichloroethane	U	0.005	mg/L			SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L			SW846-8260
1,2-Dibromoethane	U	0.005	mg/L			SW846-8260
1,2-Dichloroethane	U	0.005	mg/L			SW846-8260

**MW220****SG98-02****C-746S&T Groundwater Monitoring 2nd Quarter FY98**

1,2-Dichloropropane	U	0.005	mg/L	SW846-8260
2-Chloroethyl vinyl ether	U	0.01	mg/L	SW846-8260
2-Hexanone	U	0.01	mg/L	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L	SW846-8260
Benzene	U	0.005	mg/L	SW846-8260
Bromochloromethane	U	0.005	mg/L	SW846-8260
Bromodichloromethane	U	0.005	mg/L	SW846-8260
Bromoform	U	0.005	mg/L	SW846-8260
Bromomethane	U	0.005	mg/L	SW846-8260
Carbon disulfide	U	0.005	mg/L	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	SW846-8260
Chlorobenzene	U	0.005	mg/L	SW846-8260
Chloroethane	U	0.005	mg/L	SW846-8260
Chloromethane	U	0.005	mg/L	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Dibromochloromethane	U	0.005	mg/L	SW846-8260
Dibromomethane	U	0.005	mg/L	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	SW846-8260
Ethyl methacrylate	U	0.005	mg/L	SW846-8260
Ethylbenzene	U	0.005	mg/L	SW846-8260
Iodomethane	U	0.005	mg/L	SW846-8260
Methylene chloride	U	0.01	mg/L	SW846-8260
Styrene	U	0.005	mg/L	SW846-8260
Tetrachloroethene	U	0.005	mg/L	SW846-8260
Toluene	U	0.005	mg/L	SW846-8260
Total Xylene	U	0.005	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Trichloroethene	U	0.001	mg/L	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L	SW846-8260
Vinyl acetate	U	0.005	mg/L	SW846-8260
Vinyl chloride	U	0.002	mg/L	SW846-8260

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**MW221**  
**SG98-02**  
**5031-98**

**C-746S&T Groundwater Monitoring 2nd Quarter FY98**

Collected: 1/6/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		47	mg/L			IN7120
Nitrate as Nitrogen		1.5	mg/L			IN7120
Total Organic Carbon (TOC)	U	1	mg/L			SW846-9020
Total Organic Halides (TOX)		0.012	mg/L			SW846-9020
<b>Field P</b>						
Conductivity		427	umho/cm			
Depth to Water		67.67	ft			
Dissolved Oxygen		5.37	mg/L			
pH		6	Std Unit			
Temperature		60.2	deg F			
<b>METAL</b>						
Barium		0.241	mg/L			SW846-6010
Beryllium	U	0.025	mg/L			SW846-6010
Cadmium	U	0.005	mg/L			SW846-7131
Chromium		0.247	mg/L			SW846-6010
Cobalt	U	0.05	mg/L			SW846-6010
Copper	U	0.1	mg/L			SW846-6010
Iron		2.16	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Nickel	U	0.1	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	U	0.05	mg/L			SW846-6010
Sodium		43.3	mg/L			SW846-6010
Thallium	U	0.4	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Vanadium	UB	0.1	mg/L			SW846-6010
Zinc	UB	0.1	mg/L			SW846-6010
<b>METAL-D</b>						
Barium		0.216	mg/L			SW846-6010
Chromium	U	0.05	mg/L			SW846-6010
<b>PHYSC</b>						
Chemical Oxygen Demand (COD)	<	25	mg/L			IN7430
Dissolved Solids		208	mg/L			IN7475
Turbidity		20	NTU			IN7490
<b>RADS</b>						
Alpha activity	A	-2.6	pCi/L			RL-7122
Beta activity		20	pCi/L	2		RL-7122
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L			SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L			SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1-Dichloroethane	U	0.005	mg/L			SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L			SW846-8260
1,2-Dibromoethane	U	0.005	mg/L			SW846-8260
1,2-Dichloroethane	U	0.005	mg/L			SW846-8260



## MW221

## SG98-02

## C-746S&amp;T Groundwater Monitoring 2nd Quarter FY98

1,2-Dichloropropane	U	0.005	mg/L	SW846-8260
2-Chloroethyl vinyl ether	U	0.01	mg/L	SW846-8260
2-Hexanone	U	0.01	mg/L	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L	SW846-8260
Benzene	U	0.005	mg/L	SW846-8260
Bromochloromethane	U	0.005	mg/L	SW846-8260
Bromodichloromethane	U	0.005	mg/L	SW846-8260
Bromoform	U	0.005	mg/L	SW846-8260
Bromomethane	U	0.005	mg/L	SW846-8260
Carbon disulfide	U	0.005	mg/L	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	SW846-8260
Chlorobenzene	U	0.005	mg/L	SW846-8260
Chloroethane	U	0.005	mg/L	SW846-8260
Chloromethane	U	0.005	mg/L	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Dibromochloromethane	U	0.005	mg/L	SW846-8260
Dibromomethane	U	0.005	mg/L	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	SW846-8260
Ethyl methacrylate	U	0.005	mg/L	SW846-8260
Ethylbenzene	U	0.005	mg/L	SW846-8260
Iodomethane	U	0.005	mg/L	SW846-8260
Methylene chloride	U	0.01	mg/L	SW846-8260
Styrene	U	0.005	mg/L	SW846-8260
Tetrachloroethene	U	0.005	mg/L	SW846-8260
Toluene	U	0.005	mg/L	SW846-8260
Total Xylene	U	0.005	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Trichloroethene		0.005	mg/L	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L	SW846-8260
Vinyl acetate	U	0.005	mg/L	SW846-8260
Vinyl chloride	U	0.002	mg/L	SW846-8260

## MW222

## SG98-02

## C-746S&amp;T Groundwater Monitoring 2nd Quarter FY98

## 5032-98

Collected: 1/6/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		17.1	mg/L			IN7120
Nitrate as Nitrogen	U	1	mg/L			IN7120
Total Organic Carbon (TOC)	U	1	mg/L			SW846-9020
Total Organic Halides (TOX)	U	0.01	mg/L			SW846-9020
<b>Field P</b>						
Conductivity		275	umho/cm			
Depth to Water		71.74	ft			
Dissolved Oxygen		6.77	mg/L			
pH		6.2	Std Unit			
Temperature		60.5	deg F			
<b>METAL</b>						
Barium		0.254	mg/L			SW846-6010
Beryllium	U	0.025	mg/L			SW846-6010
Cadmium	U	0.005	mg/L			SW846-7131
Chromium	U	0.05	mg/L			SW846-6010
Cobalt	U	0.05	mg/L			SW846-6010
Copper	U	0.1	mg/L			SW846-6010
Iron		14.9	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Nickel	U	0.1	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	U	0.05	mg/L			SW846-6010
Sodium		39.1	mg/L			SW846-6010
Thallium	U	0.4	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Vanadium	UB	0.1	mg/L			SW846-6010
Zinc	UB	0.1	mg/L			SW846-6010
<b>METAL-D</b>						
Barium		0.179	mg/L			SW846-6010
<b>PHYSC</b>						
Chemical Oxygen Demand (COD)	<	25	mg/L			IN7430
Dissolved Solids		197	mg/L			IN7475
Turbidity		170	NTU			IN7490
<b>RADS</b>						
Alpha activity	A	-0.9	pCi/L			RL-7122
Beta activity	A	3	pCi/L			RL-7122
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L			SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L			SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1-Dichloroethane	U	0.005	mg/L			SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L			SW846-8260
1,2-Dibromoethane	U	0.005	mg/L			SW846-8260
1,2-Dichloroethane	U	0.005	mg/L			SW846-8260
1,2-Dichloropropane	U	0.005	mg/L			SW846-8260

**MW222****SG98-02****C-746S&T Groundwater Monitoring 2nd Quarter FY98**

2-Chloroethyl vinyl ether	U	0.01	mg/L	SW846-8260
2-Hexanone	U	0.01	mg/L	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L	SW846-8260
Benzene	U	0.005	mg/L	SW846-8260
Bromochloromethane	U	0.005	mg/L	SW846-8260
Bromodichloromethane	U	0.005	mg/L	SW846-8260
Bromoform	U	0.005	mg/L	SW846-8260
Bromomethane	U	0.005	mg/L	SW846-8260
Carbon disulfide	U	0.005	mg/L	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	SW846-8260
Chlorobenzene	U	0.005	mg/L	SW846-8260
Chloroethane	U	0.005	mg/L	SW846-8260
Chloromethane	U	0.005	mg/L	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Dibromochloromethane	U	0.005	mg/L	SW846-8260
Dibromomethane	U	0.005	mg/L	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	SW846-8260
Ethyl methacrylate	U	0.005	mg/L	SW846-8260
Ethylbenzene	U	0.005	mg/L	SW846-8260
Iodomethane	U	0.005	mg/L	SW846-8260
Methylene chloride	U	0.01	mg/L	SW846-8260
Styrene	U	0.005	mg/L	SW846-8260
Tetrachloroethene	U	0.005	mg/L	SW846-8260
Toluene	U	0.005	mg/L	SW846-8260
Total Xylene	U	0.005	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Trichloroethene	U	0.001	mg/L	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L	SW846-8260
Vinyl acetate	U	0.005	mg/L	SW846-8260
Vinyl chloride	U	0.002	mg/L	SW846-8260

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**MW223**

**SG98-02**

**C-746S&T Groundwater Monitoring 2nd Quarter FY98**

**5033-98**

Collected: 1/5/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		38.3	mg/L			IN7120
Nitrate as Nitrogen		2	mg/L			IN7120
Total Organic Carbon (TOC)	U	1	mg/L			SW846-9020
Total Organic Halides (TOX)		0.037	mg/L			SW846-9020
<b>Field P</b>						
Conductivity		423	umho/cm			
Depth to Water		70.96	ft			
Dissolved Oxygen		2.75	mg/L			
pH		6.2	Std Unit			
Temperature		60.2	deg F			
<b>METAL</b>						
Barium		0.257	mg/L			SW846-6010
Beryllium	U	0.025	mg/L			SW846-6010
Cadmium	U	0.005	mg/L			SW846-7131
Chromium		0.308	mg/L			SW846-6010
Cobalt	U	0.05	mg/L			SW846-6010
Copper	U	0.1	mg/L			SW846-6010
Iron		14.3	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Nickel		1.19	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	U	0.05	mg/L			SW846-6010
Sodium		44.2	mg/L			SW846-6010
Thallium	U	0.4	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Vanadium	UB	0.1	mg/L			SW846-6010
Zinc	UB	0.1	mg/L			SW846-6010
<b>METAL-D</b>						
Barium		0.135	mg/L			SW846-6010
Chromium	U	0.05	mg/L			SW846-6010
<b>PHYSC</b>						
Chemical Oxygen Demand (COD)	<	25	mg/L			IN7430
Dissolved Solids		244	mg/L			IN7475
Turbidity		160	NTU			IN7490
<b>RADS</b>						
Beta activity		10	pCi/L	2		RL-7122
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L			SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L			SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1-Dichloroethane	U	0.005	mg/L			SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L			SW846-8260
1,2-Dibromoethane	U	0.005	mg/L			SW846-8260
1,2-Dichloroethane	U	0.005	mg/L			SW846-8260
1,2-Dichloropropane	U	0.005	mg/L			SW846-8260

**MW223****SG98-02****C-746S&T Groundwater Monitoring 2nd Quarter FY98**

2-Chloroethyl vinyl ether	U	0.01	mg/L	SW846-8260
2-Hexanone	U	0.01	mg/L	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L	SW846-8260
Benzene	U	0.005	mg/L	SW846-8260
Bromochloromethane	U	0.005	mg/L	SW846-8260
Bromodichloromethane	U	0.005	mg/L	SW846-8260
Bromoform	U	0.005	mg/L	SW846-8260
Bromomethane	U	0.005	mg/L	SW846-8260
Carbon disulfide	U	0.005	mg/L	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	SW846-8260
Chlorobenzene	U	0.005	mg/L	SW846-8260
Chloroethane	U	0.005	mg/L	SW846-8260
Chloromethane	U	0.005	mg/L	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Dibromochloromethane	U	0.005	mg/L	SW846-8260
Dibromomethane	U	0.005	mg/L	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	SW846-8260
Ethyl methacrylate	U	0.005	mg/L	SW846-8260
Ethylbenzene	U	0.005	mg/L	SW846-8260
Iodomethane	U	0.005	mg/L	SW846-8260
Methylene chloride	U	0.01	mg/L	SW846-8260
Styrene	U	0.005	mg/L	SW846-8260
Tetrachloroethene	U	0.005	mg/L	SW846-8260
Toluene	U	0.005	mg/L	SW846-8260
Total Xylene	U	0.005	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Trichloroethene	U	0.001	mg/L	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L	SW846-8260
Vinyl acetate	U	0.005	mg/L	SW846-8260
Vinyl chloride	U	0.002	mg/L	SW846-8260

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MW224

SG98-02

## C-746S&amp;T Groundwater Monitoring 2nd Quarter FY98

5034-98

Collected: 1/6/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		19.9	mg/L			IN7120
Nitrate as Nitrogen	U	1	mg/L			IN7120
Total Organic Carbon (TOC)	U	1	mg/L			SW846-9020
Total Organic Halides (TOX)		0.021	mg/L			SW846-9020
<b>Field P</b>						
Conductivity		481	umho/cm			
Depth to Water		72.2	ft			
Dissolved Oxygen		2.36	mg/L			
pH		6	Std Unit			
Temperature		60.6	deg F			
<b>METAL</b>						
Barium		0.237	mg/L			SW846-6010
Beryllium	U	0.025	mg/L			SW846-6010
Cadmium	U	0.005	mg/L			SW846-7131
Chromium	U	0.05	mg/L			SW846-6010
Cobalt	U	0.05	mg/L			SW846-6010
Copper	U	0.1	mg/L			SW846-6010
Iron	U	0.25	mg/L			SW846-6010
Mercury		0.0004	mg/L			SW846-7470
Nickel	U	0.1	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	U	0.05	mg/L			SW846-6010
Sodium		76.1	mg/L			SW846-6010
Thallium	U	0.4	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Vanadium	UB	0.1	mg/L			SW846-6010
Zinc	UB	0.1	mg/L			SW846-6010
<b>METAL-D</b>						
Barium		0.219	mg/L			SW846-6010
Mercury		0.0002	mg/L			SW846-7470
<b>PHYSC</b>						
Chemical Oxygen Demand (COD)	<	25	mg/L			IN7430
Dissolved Solids		282	mg/L			IN7475
Turbidity		0.54	NTU			IN7490
<b>RADS</b>						
Alpha activity	A	-2	pCi/L			RL-7122
Beta activity	A	0	pCi/L			RL-7122
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L			SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L			SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1-Dichloroethane	U	0.005	mg/L			SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L			SW846-8260
1,2-Dibromoethane	U	0.005	mg/L			SW846-8260
1,2-Dichloroethane	U	0.005	mg/L			SW846-8260

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1,2-Dichloropropane	U	0.005	mg/L	SW846-8260
2-Chloroethyl vinyl ether	U	0.01	mg/L	SW846-8260
2-Hexanone	U	0.01	mg/L	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L	SW846-8260
Benzene	U	0.005	mg/L	SW846-8260
Bromochloromethane	U	0.005	mg/L	SW846-8260
Bromodichloromethane	U	0.005	mg/L	SW846-8260
Bromoform	U	0.005	mg/L	SW846-8260
Bromomethane	U	0.005	mg/L	SW846-8260
Carbon disulfide	U	0.005	mg/L	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	SW846-8260
Chlorobenzene	U	0.005	mg/L	SW846-8260
Chloroethane	U	0.005	mg/L	SW846-8260
Chloromethane	U	0.005	mg/L	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Dibromochloromethane	U	0.005	mg/L	SW846-8260
Dibromomethane	U	0.005	mg/L	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	SW846-8260
Ethyl methacrylate	U	0.005	mg/L	SW846-8260
Ethylbenzene	U	0.005	mg/L	SW846-8260
Iodomethane	U	0.005	mg/L	SW846-8260
Methylene chloride	U	0.01	mg/L	SW846-8260
Styrene	U	0.005	mg/L	SW846-8260
Tetrachloroethene	U	0.005	mg/L	SW846-8260
Toluene	U	0.005	mg/L	SW846-8260
Total Xylene	U	0.005	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Trichloroethene	U	0.001	mg/L	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L	SW846-8260
Vinyl acetate	U	0.005	mg/L	SW846-8260
Vinyl chloride	U	0.002	mg/L	SW846-8260

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MW263

SG98-02

C-746S&T Groundwater Monitoring 2nd Quarter FY98

5035-98

Collected: 1/6/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		38	mg/L			IN7120
Nitrate as Nitrogen	U	1	mg/L			IN7120
Total Organic Carbon (TOC)	U	1	mg/L			SW846-9020
Total Organic Halides (TOX)		0.02	mg/L			SW846-9020
<b>Field P</b>						
Conductivity		559	umho/cm			
Depth to Water		36.54	ft			
Dissolved Oxygen		1.64	mg/L			
pH		6.05	Std Unit			
Temperature		61	deg F			
<b>METAL</b>						
Barium		0.061	mg/L			SW846-6010
Beryllium	U	0.025	mg/L			SW846-6010
Cadmium	U	0.005	mg/L			SW846-7131
Chromium		0.129	mg/L			SW846-6010
Cobalt	U	0.05	mg/L			SW846-6010
Copper	U	0.1	mg/L			SW846-6010
Iron		0.448	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Nickel	U	0.1	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	U	0.05	mg/L			SW846-6010
Sodium		49.1	mg/L			SW846-6010
Thallium	U	0.4	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Vanadium	B	0.1	mg/L			SW846-6010
Zinc	UB	0.1	mg/L			SW846-6010
<b>METAL-D</b>						
Barium		0.058	mg/L			SW846-6010
Chromium	U	0.05	mg/L			SW846-6010
<b>PHYSC</b>						
Chemical Oxygen Demand (COD)	<	25	mg/L			IN7430
Dissolved Solids		330	mg/L			IN7475
Turbidity		2.4	NTU			IN7490
<b>RADS</b>						
Alpha activity	A	2.7	pCi/L			RL-7122
Beta activity		33	pCi/L	4		RL-7122
Technetium-99		44	pCi/L	12		RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L			SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L			SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1-Dichloroethane	U	0.005	mg/L			SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L			SW846-8260
1,2-Dibromoethane	U	0.005	mg/L			SW846-8260



## MW263

## SG98-02

## C-746S&amp;T Groundwater Monitoring 2nd Quarter FY98

1,2-Dichloroethane	U	0.005	mg/L	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	SW846-8260
2-Chloroethyl vinyl ether	U	0.01	mg/L	SW846-8260
2-Hexanone	U	0.01	mg/L	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L	SW846-8260
Benzene	U	0.005	mg/L	SW846-8260
Bromochloromethane	U	0.005	mg/L	SW846-8260
Bromodichloromethane	U	0.005	mg/L	SW846-8260
Bromoform	U	0.005	mg/L	SW846-8260
Bromomethane	U	0.005	mg/L	SW846-8260
Carbon disulfide	U	0.005	mg/L	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	SW846-8260
Chlorobenzene	U	0.005	mg/L	SW846-8260
Chloroethane	U	0.005	mg/L	SW846-8260
Chloromethane	U	0.005	mg/L	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Dibromochloromethane	U	0.005	mg/L	SW846-8260
Dibromomethane	U	0.005	mg/L	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	SW846-8260
Ethyl methacrylate	U	0.005	mg/L	SW846-8260
Ethylbenzene	U	0.005	mg/L	SW846-8260
Iodomethane	U	0.005	mg/L	SW846-8260
Methylene chloride	U	0.01	mg/L	SW846-8260
Styrene	U	0.005	mg/L	SW846-8260
Tetrachloroethene	U	0.005	mg/L	SW846-8260
Toluene	U	0.005	mg/L	SW846-8260
Total Xylene	U	0.005	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Trichloroethene		0.009	mg/L	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L	SW846-8260
Vinyl acetate	U	0.005	mg/L	SW846-8260
Vinyl chloride	U	0.002	mg/L	SW846-8260

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**MW264**

**SG98-02**

**C-746S&T Groundwater Monitoring 2nd Quarter FY98**

**5036-98**

Collected: 1/6/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		50.8	mg/L			IN7120
Nitrate as Nitrogen	U	1	mg/L			IN7120
Total Organic Carbon (TOC)	U	1	mg/L			SW846-9020
Total Organic Halides (TOX)	U	0.01	mg/L			SW846-9020
<b>Field P</b>						
Conductivity		574	umho/cm			
Depth to Water		42.2	ft			
Dissolved Oxygen		1.72	mg/L			
pH		6.3	Std Unit			
Temperature		59.8	deg F			
<b>METAL</b>						
Barium		0.167	mg/L			SW846-6010
Beryllium	U	0.025	mg/L			SW846-6010
Cadmium	U	0.005	mg/L			SW846-7131
Chromium	U	0.05	mg/L			SW846-6010
Cobalt	U	0.05	mg/L			SW846-6010
Copper	U	0.1	mg/L			SW846-6010
Iron		0.331	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Nickel	U	0.1	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	U	0.05	mg/L			SW846-6010
Sodium		48.3	mg/L			SW846-6010
Thallium	U	0.4	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Vanadium	UB	0.1	mg/L			SW846-6010
Zinc	UB	0.1	mg/L			SW846-6010
<b>METAL-D</b>						
Barium		0.151	mg/L			SW846-6010
<b>PHYSC</b>						
Chemical Oxygen Demand (COD)	<	25	mg/L			IN7430
Dissolved Solids		274	mg/L			IN7475
Turbidity		3.3	NTU			IN7490
<b>RADS</b>						
Alpha activity	A	-0.9	pCi/L			RL-7122
Beta activity		19	pCi/L	2		RL-7122
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L			SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L			SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1-Dichloroethane	U	0.005	mg/L			SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L			SW846-8260
1,2-Dibromoethane	U	0.005	mg/L			SW846-8260
1,2-Dichloroethane	U	0.005	mg/L			SW846-8260
1,2-Dichloropropane	U	0.005	mg/L			SW846-8260

**MW264****SG98-02****C-746S&T Groundwater Monitoring 2nd Quarter FY98**

2-Chloroethyl vinyl ether	U	0.01	mg/L	SW846-8260
2-Hexanone	U	0.01	mg/L	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L	SW846-8260
Benzene	U	0.005	mg/L	SW846-8260
Bromochloromethane	U	0.005	mg/L	SW846-8260
Bromodichloromethane	U	0.005	mg/L	SW846-8260
Bromoform	U	0.005	mg/L	SW846-8260
Bromomethane	U	0.005	mg/L	SW846-8260
Carbon disulfide	U	0.005	mg/L	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	SW846-8260
Chlorobenzene	U	0.005	mg/L	SW846-8260
Chloroethane	U	0.005	mg/L	SW846-8260
Chloromethane	U	0.005	mg/L	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Dibromochloromethane	U	0.005	mg/L	SW846-8260
Dibromomethane	U	0.005	mg/L	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	SW846-8260
Ethyl methacrylate	U	0.005	mg/L	SW846-8260
Ethylbenzene	U	0.005	mg/L	SW846-8260
Iodomethane	U	0.005	mg/L	SW846-8260
Methylene chloride	U	0.01	mg/L	SW846-8260
Styrene	U	0.005	mg/L	SW846-8260
Tetrachloroethene	U	0.005	mg/L	SW846-8260
Toluene	U	0.005	mg/L	SW846-8260
Total Xylene	U	0.005	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Trichloroethene		0.002	mg/L	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L	SW846-8260
Vinyl acetate	U	0.005	mg/L	SW846-8260
Vinyl chloride	U	0.002	mg/L	SW846-8260

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**MW265**

**SG98-02**

**C-746S&T Groundwater Monitoring 2nd Quarter FY98**

**5037-98**

Collected: 1/6/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		35.9	mg/L			IN7120
Nitrate as Nitrogen	U	1	mg/L			IN7120
Total Organic Carbon (TOC)	U	1	mg/L			SW846-9020
Total Organic Halides (TOX)		0.012	mg/L			SW846-9020
<b>Field P</b>						
Conductivity		381	umho/cm			
Depth to Water		45.17	ft			
Dissolved Oxygen		2.48	mg/L			
pH		6.2	Std Unit			
Temperature		60	deg F			
<b>METAL</b>						
Barium		0.225	mg/L			SW846-6010
Beryllium	U	0.025	mg/L			SW846-6010
Cadmium	U	0.005	mg/L			SW846-7131
Chromium		0.908	mg/L			SW846-6010
Cobalt	U	0.05	mg/L			SW846-6010
Copper	U	0.1	mg/L			SW846-6010
Iron		4.93	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Nickel	U	0.1	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	U	0.05	mg/L			SW846-6010
Sodium		40.2	mg/L			SW846-6010
Thallium	U	0.4	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Vanadium	UB	0.1	mg/L			SW846-6010
Zinc	UB	0.1	mg/L			SW846-6010
<b>METAL-D</b>						
Barium		0.197	mg/L			SW846-6010
Chromium	U	0.05	mg/L			SW846-6010
<b>PHYSC</b>						
Chemical Oxygen Demand (COD)	<	25	mg/L			IN7430
Dissolved Solids		194	mg/L			IN7475
Turbidity		26	NTU			IN7490
<b>RADS</b>						
Alpha activity	A	1.1	pCi/L			RL-7122
Beta activity		75	pCi/L	6		RL-7122
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L			SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L			SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1-Dichloroethane	U	0.005	mg/L			SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L			SW846-8260
1,2-Dibromoethane	U	0.005	mg/L			SW846-8260
1,2-Dichloroethane	U	0.005	mg/L			SW846-8260

**MW265****SG98-02****C-746S&T Groundwater Monitoring 2nd Quarter FY98**

1,2-Dichloropropane	U	0.005	mg/L	SW846-8260
2-Chloroethyl vinyl ether	U	0.01	mg/L	SW846-8260
2-Hexanone	U	0.01	mg/L	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L	SW846-8260
Benzene	U	0.005	mg/L	SW846-8260
Bromochloromethane	U	0.005	mg/L	SW846-8260
Bromodichloromethane	U	0.005	mg/L	SW846-8260
Bromoform	U	0.005	mg/L	SW846-8260
Bromomethane	U	0.005	mg/L	SW846-8260
Carbon disulfide	U	0.005	mg/L	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	SW846-8260
Chlorobenzene	U	0.005	mg/L	SW846-8260
Chloroethane	U	0.005	mg/L	SW846-8260
Chloromethane	U	0.005	mg/L	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Dibromochloromethane	U	0.005	mg/L	SW846-8260
Dibromomethane	U	0.005	mg/L	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	SW846-8260
Ethyl methacrylate	U	0.005	mg/L	SW846-8260
Ethylbenzene	U	0.005	mg/L	SW846-8260
Iodomethane	U	0.005	mg/L	SW846-8260
Methylene chloride	U	0.01	mg/L	SW846-8260
Styrene	U	0.005	mg/L	SW846-8260
Tetrachloroethene	U	0.005	mg/L	SW846-8260
Toluene	U	0.005	mg/L	SW846-8260
Total Xylene	U	0.005	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Trichloroethene		0.004	mg/L	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L	SW846-8260
Vinyl acetate	U	0.005	mg/L	SW846-8260
Vinyl chloride	U	0.002	mg/L	SW846-8260

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**MW266**

**SG98-02**

**C-746S&T Groundwater Monitoring 2nd Quarter FY98**

**5038-98**

Collected: 1/6/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		48.4	mg/L			IN7120
Nitrate as Nitrogen		1.2	mg/L			IN7120
Total Organic Carbon (TOC)	U	1	mg/L			SW846-9020
Total Organic Halides (TOX)		0.014	mg/L			SW846-9020
<b>Field P</b>						
Conductivity		592	umho/cm			
Depth to Water		41.89	ft			
Dissolved Oxygen		1.1	mg/L			
pH		6.1	Std Unit			
Temperature		59.9	deg F			
<b>METAL</b>						
Barium		0.062	mg/L			SW846-6010
Beryllium	U	0.025	mg/L			SW846-6010
Cadmium	U	0.005	mg/L			SW846-7131
Chromium		1.1	mg/L			SW846-6010
Cobalt	U	0.05	mg/L			SW846-6010
Copper	U	0.1	mg/L			SW846-6010
Iron		14	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Nickel		0.301	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	U	0.05	mg/L			SW846-6010
Sodium		39.1	mg/L			SW846-6010
Thallium	U	0.4	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Vanadium	B	0.106	mg/L			SW846-6010
Zinc	UB	0.1	mg/L			SW846-6010
<b>METAL-D</b>						
Barium		0.051	mg/L			SW846-6010
Chromium	U	0.05	mg/L			SW846-6010
<b>PHYSC</b>						
Chemical Oxygen Demand (COD)	<	25	mg/L			IN7430
Dissolved Solids		334	mg/L			IN7475
Turbidity		110	NTU			IN7490
<b>RADS</b>						
Alpha activity	A	-1.3	pCi/L			RL-7122
Beta activity		36	pCi/L	4		RL-7122
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L			SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L			SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1-Dichloroethane	U	0.005	mg/L			SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L			SW846-8260
1,2-Dibromoethane	U	0.005	mg/L			SW846-8260
1,2-Dichloroethane	U	0.005	mg/L			SW846-8260

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## SG98-02

## C-746S&amp;T Groundwater Monitoring 2nd Quarter FY98

1,2-Dichloropropane	U	0.005	mg/L	SW846-8260
2-Chloroethyl vinyl ether	U	0.01	mg/L	SW846-8260
2-Hexanone	U	0.01	mg/L	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L	SW846-8260
Benzene	U	0.005	mg/L	SW846-8260
Bromochloromethane	U	0.005	mg/L	SW846-8260
Bromodichloromethane	U	0.005	mg/L	SW846-8260
Bromoform	U	0.005	mg/L	SW846-8260
Bromomethane	U	0.005	mg/L	SW846-8260
Carbon disulfide	U	0.005	mg/L	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	SW846-8260
Chlorobenzene	U	0.005	mg/L	SW846-8260
Chloroethane	U	0.005	mg/L	SW846-8260
Chloromethane	U	0.005	mg/L	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Dibromochloromethane	U	0.005	mg/L	SW846-8260
Dibromomethane	U	0.005	mg/L	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	SW846-8260
Ethyl methacrylate	U	0.005	mg/L	SW846-8260
Ethylbenzene	U	0.005	mg/L	SW846-8260
Iodomethane	U	0.005	mg/L	SW846-8260
Methylene chloride	U	0.01	mg/L	SW846-8260
Styrene	U	0.005	mg/L	SW846-8260
Tetrachloroethene	U	0.005	mg/L	SW846-8260
Toluene	U	0.005	mg/L	SW846-8260
Total Xylene	U	0.005	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Trichloroethene		0.003	mg/L	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L	SW846-8260
Vinyl acetate	U	0.005	mg/L	SW846-8260
Vinyl chloride	U	0.002	mg/L	SW846-8260

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MW267

SG98-02

C-746S&T Groundwater Monitoring 2nd Quarter FY98

5039-98

Collected: 1/5/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride	N	47.7	mg/L			IN7120
Nitrate as Nitrogen		2.2	mg/L			IN7120
Total Organic Carbon (TOC)	U	1	mg/L			SW846-9020
Total Organic Halides (TOX)	U	0.01	mg/L			SW846-9020
<b>Field P</b>						
Conductivity		374	umho/cm			
Depth to Water		56.95	ft			
Dissolved Oxygen		6.33	mg/L			
pH		5.9	Std Unit			
Temperature		59.7	deg F			
<b>METAL</b>						
Barium		0.217	mg/L			SW846-6010
Beryllium	U	0.025	mg/L			SW846-6010
Cadmium	U	0.005	mg/L			SW846-7131
Chromium		0.099	mg/L			SW846-6010
Cobalt	U	0.05	mg/L			SW846-6010
Copper	U	0.1	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Nickel	U	0.1	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	U	0.05	mg/L			SW846-6010
Sodium		35.8	mg/L			SW846-6010
Thallium	U	0.4	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Vanadium	UB	0.1	mg/L			SW846-6010
Zinc	UB	0.1	mg/L			SW846-6010
<b>METAL-D</b>						
Barium		0.202	mg/L			SW846-6010
Chromium	U	0.05	mg/L			SW846-6010
<b>PHYSIC</b>						
Chemical Oxygen Demand (COD)	<	25	mg/L			IN7430
Dissolved Solids		213	mg/L			IN7475
Turbidity		4.7	NTU			IN7490
<b>RADS</b>						
Beta activity		7	pCi/L	1		RL-7122
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L			SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L			SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1-Dichloroethane	U	0.005	mg/L			SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L			SW846-8260
1,2-Dibromoethane	U	0.005	mg/L			SW846-8260
1,2-Dichloroethane	U	0.005	mg/L			SW846-8260
1,2-Dichloropropane	U	0.005	mg/L			SW846-8260
2-Chloroethyl vinyl ether	U	0.01	mg/L			SW846-8260



**MW267****SG98-02****C-746S&T Groundwater Monitoring 2nd Quarter FY98**

2-Hexanone	U	0.01	mg/L	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L	SW846-8260
Benzene	U	0.005	mg/L	SW846-8260
Bromochloromethane	U	0.005	mg/L	SW846-8260
Bromodichloromethane	U	0.005	mg/L	SW846-8260
Bromoform	U	0.005	mg/L	SW846-8260
Bromomethane	U	0.005	mg/L	SW846-8260
Carbon disulfide	U	0.005	mg/L	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	SW846-8260
Chlorobenzene	U	0.005	mg/L	SW846-8260
Chloroethane	U	0.005	mg/L	SW846-8260
Chloromethane	U	0.005	mg/L	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Dibromochloromethane	U	0.005	mg/L	SW846-8260
Dibromomethane	U	0.005	mg/L	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	SW846-8260
Ethyl methacrylate	U	0.005	mg/L	SW846-8260
Ethylbenzene	U	0.005	mg/L	SW846-8260
Iodomethane	U	0.005	mg/L	SW846-8260
Methylene chloride	U	0.01	mg/L	SW846-8260
Styrene	U	0.005	mg/L	SW846-8260
Tetrachloroethene	U	0.005	mg/L	SW846-8260
Toluene	U	0.005	mg/L	SW846-8260
Total Xylene	U	0.005	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Trichloroethene	U	0.001	mg/L	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L	SW846-8260
Vinyl acetate	U	0.005	mg/L	SW846-8260
Vinyl chloride	U	0.002	mg/L	SW846-8260

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**MW267**

**SG98-02**

**C-746S&T Groundwater Monitoring 2nd Quarter FY98**

**5040-98**

Collected: 1/5/1998

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride	N	46.2	mg/L			IN7120
Nitrate as Nitrogen		2.1	mg/L			IN7120
Total Organic Carbon (TOC)	U	1	mg/L			SW846-9020
Total Organic Halides (TOX)	U	0.01	mg/L			SW846-9020
<b>Field P</b>						
Conductivity		374	umho/cm			
Depth to Water		56.95	ft			
Dissolved Oxygen		6.33	mg/L			
pH		5.9	Std Unit			
Temperature		59.7	deg F			
<b>METAL</b>						
Barium		0.224	mg/L			SW846-6010
Beryllium	U	0.025	mg/L			SW846-6010
Cadmium	U	0.005	mg/L			SW846-7131
Chromium		0.072	mg/L			SW846-6010
Cobalt	U	0.05	mg/L			SW846-6010
Copper	U	0.1	mg/L			SW846-6010
Iron		0.469	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Nickel	U	0.1	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	U	0.05	mg/L			SW846-6010
Sodium		37	mg/L			SW846-6010
Thallium	U	0.4	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Vanadium	UB	0.1	mg/L			SW846-6010
Zinc	UB	0.1	mg/L			SW846-6010
<b>METAL-D</b>						
Barium		0.195	mg/L			SW846-6010
Chromium	U	0.05	mg/L			SW846-6010
<b>PHYSC</b>						
Chemical Oxygen Demand (COD)	<	25	mg/L			IN7430
Dissolved Solids		210	mg/L			IN7475
Turbidity		2.9	NTU			IN7490
<b>RADS</b>						
Beta activity		8	pCi/L	1		RL-7122
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L			SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L			SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1-Dichloroethane	U	0.005	mg/L			SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L			SW846-8260
1,2-Dibromoethane	U	0.005	mg/L			SW846-8260
1,2-Dichloroethane	U	0.005	mg/L			SW846-8260
1,2-Dichloropropane	U	0.005	mg/L			SW846-8260

**MW267****SG98-02****C-746S&T Groundwater Monitoring 2nd Quarter FY98**

2-Chloroethyl vinyl ether	U	0.01	mg/L	SW846-8260
2-Hexanone	U	0.01	mg/L	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L	SW846-8260
Benzene	U	0.005	mg/L	SW846-8260
Bromochloromethane	U	0.005	mg/L	SW846-8260
Bromodichloromethane	U	0.005	mg/L	SW846-8260
Bromoform	U	0.005	mg/L	SW846-8260
Bromomethane	U	0.005	mg/L	SW846-8260
Carbon disulfide	U	0.005	mg/L	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	SW846-8260
Chlorobenzene	U	0.005	mg/L	SW846-8260
Chloroethane	U	0.005	mg/L	SW846-8260
Chloromethane	U	0.005	mg/L	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Dibromochloromethane	U	0.005	mg/L	SW846-8260
Dibromomethane	U	0.005	mg/L	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	SW846-8260
Ethyl methacrylate	U	0.005	mg/L	SW846-8260
Ethylbenzene	U	0.005	mg/L	SW846-8260
Iodomethane	U	0.005	mg/L	SW846-8260
Methylene chloride	U	0.01	mg/L	SW846-8260
Styrene	U	0.005	mg/L	SW846-8260
Tetrachloroethene	U	0.005	mg/L	SW846-8260
Toluene	U	0.005	mg/L	SW846-8260
Total Xylene	U	0.005	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Trichloroethene	U	0.001	mg/L	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L	SW846-8260
Vinyl acetate	U	0.005	mg/L	SW846-8260
Vinyl chloride	U	0.002	mg/L	SW846-8260

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MW179

SG98-03

C-746S&T Groundwater Monitoring 3rd Quarter FY98

5231-98

Collected: 4/6/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		36.1	mg/L			SW846-9056
Nitrate as Nitrogen	NU	1	mg/L			SW846-9056
Total Organic Carbon (TOC)	U	1	mg/L		1	SW846-9060
Total Organic Halides (TOX)	U	0.01	mg/L			SW846-9020
<b>Field P</b>						
Conductivity		869	umho/cm			
Depth to Water		34.9	ft			
Dissolved Oxygen		3.54	mg/L			
pH		5.96	Std Unit			
Temperature		60.2	deg F			
<b>METAL</b>						
Barium	U	0.05	mg/L			SW846-6010
Beryllium	U	0.02	mg/L			SW846-6010
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.05	mg/L			SW846-6010
Cobalt	U	0.05	mg/L			SW846-6010
Copper	U	0.1	mg/L			SW846-6010
Iron		0.82	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Nickel	U	0.1	mg/L			SW846-6010
Selenium	U	0.005	mg/L		0.005	SW846-7740
Silver	U	0.05	mg/L			SW846-6010
Sodium	N	54.7	mg/L			SW846-6010
Thallium	U	0.4	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Vanadium	U	0.1	mg/L			SW846-6010
Zinc	U	0.1	mg/L			SW846-6010
<b>PHYSC</b>						
Chemical Oxygen Demand (COD)	<	25	mg/L			EPA-410.4 1978
Dissolved Solids		547	mg/L			EPA-160.2
Turbidity	J	4.9	NTU			EPA-180.1 1978
<b>RADS</b>						
Technetium-99	A	14.1	pCi/L	13.2		RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Chloroethyl vinyl ether	U	0.01	mg/L		0.01	SW846-8260

## MW179

## SG98-03

## C-746S&amp;T Groundwater Monitoring 3rd Quarter FY98

2-Hexanone	U	0.01 mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01 mg/L	0.01	SW846-8260
Acetone	U	0.01 mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01 mg/L	0.01	SW846-8260
Benzene	U	0.005 mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromoform	U	0.005 mg/L	0.005	SW846-8260
Bromomethane	U	0.005 mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005 mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005 mg/L	0.005	SW846-8260
Chloroethane	U	0.005 mg/L	0.005	SW846-8260
Chloromethane	U	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Dibromomethane	U	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005 mg/L	0.005	SW846-8260
Ethanol	U	0.25 mg/L	0.25	SW846-8015 M
Ethyl methacrylate	U	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	U	0.005 mg/L	0.005	SW846-8260
Methylene chloride	U	0.01 mg/L	0.01	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.005 mg/L	0.005	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene		0.005 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.005 mg/L	0.005	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260

MW181

SG98-03

C-746S&T Groundwater Monitoring 3rd Quarter FY98

5232-98

Collected: 4/6/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		52.1	mg/L			SW846-9056
Nitrate as Nitrogen	N	1.3	mg/L			SW846-9056
Total Organic Carbon (TOC)	U	1	mg/L		1	SW846-9060
Total Organic Halides (TOX)		0.01	mg/L			SW846-9020
<b>Field P</b>						
Conductivity		480	umho/cm			
Depth to Water		47.05	ft			
Dissolved Oxygen		4.42	mg/L			
pH		5.94	Std Unit			
Temperature		62.8	deg F			
<b>METAL</b>						
Barium		0.17	mg/L			SW846-6010
Beryllium	U	0.02	mg/L			SW846-6010
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium		0.97	mg/L			SW846-6010
Cobalt	U	0.05	mg/L			SW846-6010
Copper	U	0.1	mg/L			SW846-6010
Iron		6.27	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Nickel		0.69	mg/L			SW846-6010
Selenium	U	0.005	mg/L		0.005	SW846-7740
Silver	U	0.05	mg/L			SW846-6010
Sodium	N	49.7	mg/L			SW846-6010
Thallium	U	0.4	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Vanadium	U	0.1	mg/L			SW846-6010
Zinc	U	0.1	mg/L			SW846-6010
<b>METAL-D</b>						
Barium		0.15	mg/L			SW846-6010
Chromium	U	0.05	mg/L			SW846-6010
<b>PHYSC</b>						
Chemical Oxygen Demand (COD)	<	25	mg/L			EPA-410.4 1978
Dissolved Solids		281	mg/L			EPA-160.2
Turbidity		61	NTU			EPA-180.1 1978
<b>RADS</b>						
Beta activity		53	pCi/L	5		EPA-900.0
Technetium-99		57	pCi/L	14.3		RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260

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## SG98-03

## C-746S&amp;T Groundwater Monitoring 3rd Quarter FY98

1,2-Dichloroethane	U	0.005 mg/L	0.005	SW846-8260
1,2-Dichloropropane	U	0.005 mg/L	0.005	SW846-8260
2-Butanone	U	0.01 mg/L	0.01	SW846-8260
2-Chloroethyl vinyl ether	U	0.01 mg/L	0.01	SW846-8260
2-Hexanone	U	0.01 mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01 mg/L	0.01	SW846-8260
Acetone	U	0.01 mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01 mg/L	0.01	SW846-8260
Benzene	U	0.005 mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromoform	U	0.005 mg/L	0.005	SW846-8260
Bromomethane	U	0.005 mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005 mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005 mg/L	0.005	SW846-8260
Chloroethane	U	0.005 mg/L	0.005	SW846-8260
Chloromethane	U	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Dibromomethane	U	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005 mg/L	0.005	SW846-8260
Ethanol	U	0.25 mg/L	0.25	SW846-8015 M
Ethyl methacrylate	U	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	U	0.005 mg/L	0.005	SW846-8260
Methylene chloride	U	0.01 mg/L	0.01	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.005 mg/L	0.005	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.005 mg/L	0.005	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260

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MW220

SG98-03

C-746S&T Groundwater Monitoring 3rd Quarter FY98

5233-98

Collected: 4/6/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		38.4	mg/L			SW846-9056
Nitrate as Nitrogen	N	1.6	mg/L			SW846-9056
Total Organic Carbon (TOC)	U	1	mg/L		1	SW846-9060
Total Organic Halides (TOX)	U	0.01	mg/L			SW846-9020
<b>Field P</b>						
Conductivity		361	umho/cm			
Depth to Water		57.17	ft			
Dissolved Oxygen		3.98	mg/L			
pH		6.1	Std Unit			
Temperature		61.5	deg F			
<b>METAL</b>						
Barium		0.19	mg/L			SW846-6010
Beryllium	U	0.02	mg/L			SW846-6010
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.05	mg/L			SW846-6010
Cobalt	U	0.05	mg/L			SW846-6010
Copper	U	0.1	mg/L			SW846-6010
Iron		0.36	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Nickel		0.86	mg/L			SW846-6010
Selenium	U	0.005	mg/L		0.005	SW846-7740
Silver	U	0.05	mg/L			SW846-6010
Sodium	N	34.6	mg/L			SW846-6010
Thallium	U	0.4	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Vanadium	U	0.1	mg/L			SW846-6010
Zinc	U	0.1	mg/L			SW846-6010
<b>METAL-D</b>						
Barium		0.2	mg/L			SW846-6010
<b>PHYSC</b>						
Chemical Oxygen Demand (COD)	<	25	mg/L			EPA-410.4 1978
Dissolved Solids		209	mg/L			EPA-160.2
Turbidity	J	3.7	NTU			EPA-180.1 1978
<b>RADS</b>						
Technetium-99	A	9.7	pCi/L	13		RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260



**MW220****SG98-03****C-746S&T Groundwater Monitoring 3rd Quarter FY98**

2-Butanone	U	0.01 mg/L	0.01	SW846-8260
2-Chloroethyl vinyl ether	U	0.01 mg/L	0.01	SW846-8260
2-Hexanone	U	0.01 mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01 mg/L	0.01	SW846-8260
Acetone	U	0.01 mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01 mg/L	0.01	SW846-8260
Benzene	U	0.005 mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromoform	U	0.005 mg/L	0.005	SW846-8260
Bromomethane	U	0.005 mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005 mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005 mg/L	0.005	SW846-8260
Chloroethane	U	0.005 mg/L	0.005	SW846-8260
Chloromethane	U	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Dibromomethane	U	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005 mg/L	0.005	SW846-8260
Ethanol	U	0.25 mg/L	0.25	SW846-8015 M
Ethyl methacrylate	U	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	U	0.005 mg/L	0.005	SW846-8260
Methylene chloride	U	0.01 mg/L	0.01	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.005 mg/L	0.005	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.005 mg/L	0.005	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260

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MW220

SG98-03

C-746S&T Groundwater Monitoring 3rd Quarter FY98

5234-98

Collected: 4/6/1998

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		38.3	mg/L			SW846-9056
Nitrate as Nitrogen	N	1.6	mg/L			SW846-9056
Total Organic Carbon (TOC)	U	1	mg/L		1	SW846-9060
Total Organic Halides (TOX)	U	0.01	mg/L			SW846-9020
<b>Field P</b>						
Conductivity		361	umho/cm			
Depth to Water		57.17	ft			
Dissolved Oxygen		3.98	mg/L			
pH		6.1	Std Unit			
Temperature		61.5	deg F			
<b>METAL</b>						
Barium		0.19	mg/L			SW846-6010
Beryllium	U	0.02	mg/L			SW846-6010
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.05	mg/L			SW846-6010
Cobalt	U	0.05	mg/L			SW846-6010
Copper	U	0.1	mg/L			SW846-6010
Iron		0.33	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Nickel		0.82	mg/L			SW846-6010
Selenium	U	0.005	mg/L		0.005	SW846-7740
Silver	U	0.05	mg/L			SW846-6010
Sodium	N	34.3	mg/L			SW846-6010
Thallium	U	0.4	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Vanadium	U	0.1	mg/L			SW846-6010
Zinc	U	0.1	mg/L			SW846-6010
<b>METAL-D</b>						
Barium		0.2	mg/L			SW846-6010
<b>PHYSC</b>						
Chemical Oxygen Demand (COD)	<	25	mg/L			EPA-410.4 1978
Dissolved Solids		217	mg/L			EPA-160.2
Turbidity	J	3.7	NTU			EPA-180.1 1978
<b>RADS</b>						
Technetium-99	A	7.3	pCi/L	13.1		RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260

**MW220****SG98-03****C-746S&T Groundwater Monitoring 3rd Quarter FY98**

2-Butanone	U	0.01 mg/L	0.01	SW846-8260
2-Chloroethyl vinyl ether	U	0.01 mg/L	0.01	SW846-8260
2-Hexanone	U	0.01 mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01 mg/L	0.01	SW846-8260
Acetone	U	0.01 mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01 mg/L	0.01	SW846-8260
Benzene	U	0.005 mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromoform	U	0.005 mg/L	0.005	SW846-8260
Bromomethane	U	0.005 mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005 mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005 mg/L	0.005	SW846-8260
Chloroethane	U	0.005 mg/L	0.005	SW846-8260
Chloromethane	U	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Dibromomethane	U	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005 mg/L	0.005	SW846-8260
Ethanol	U	0.25 mg/L	0.25	SW846-8015 M
Ethyl methacrylate	U	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	U	0.005 mg/L	0.005	SW846-8260
Methylene chloride	U	0.01 mg/L	0.01	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.005 mg/L	0.005	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.005 mg/L	0.005	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260

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MW221

SG98-03

C-746S&T Groundwater Monitoring 3rd Quarter FY98

5235-98

Collected: 4/7/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		49.4	mg/L			SW846-9056
Nitrate as Nitrogen		1.5	mg/L			SW846-9056
Total Organic Carbon (TOC)	U	1	mg/L		1	SW846-9060
Total Organic Halides (TOX)	U	0.01	mg/L			SW846-9020
<b>Field P</b>						
Conductivity		422	umho/cm			
Depth to Water		66.26	ft			
Dissolved Oxygen		4.54	mg/L			
pH		5.97	Std Unit			
Temperature		61.1	deg F			
<b>METAL</b>						
Barium		0.25	mg/L			SW846-6010
Beryllium	U	0.02	mg/L			SW846-6010
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.05	mg/L			SW846-6010
Cobalt	U	0.05	mg/L			SW846-6010
Copper	U	0.1	mg/L			SW846-6010
Iron		0.22	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Nickel		0.31	mg/L			SW846-6010
Selenium	U	0.005	mg/L		0.005	SW846-7740
Silver	U	0.05	mg/L			SW846-6010
Sodium	N	40.1	mg/L			SW846-6010
Thallium	U	0.4	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Vanadium	U	0.1	mg/L			SW846-6010
Zinc	U	0.1	mg/L			SW846-6010
<b>METAL-D</b>						
Barium		0.25	mg/L			SW846-6010
<b>PHYSC</b>						
Chemical Oxygen Demand (COD)	<	25	mg/L			EPA-410.4 1978
Dissolved Solids		247	mg/L			EPA-160.2
Turbidity	<	0.5	NTU			EPA-180.1 1978
<b>RADS</b>						
Technetium-99	A	3.7	pCi/L	12.6		RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260

**MW221****SG98-03****C-746S&T Groundwater Monitoring 3rd Quarter FY98**

2-Butanone	U	0.01	mg/L	0.01	SW846-8260
2-Chloroethyl vinyl ether	U	0.01	mg/L	0.01	SW846-8260
2-Hexanone	U	0.01	mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L	0.01	SW846-8260
Acetone	U	0.01	mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L	0.01	SW846-8260
Benzene	U	0.005	mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromoform	U	0.005	mg/L	0.005	SW846-8260
Bromomethane	U	0.005	mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L	0.005	SW846-8260
Chloroethane	U	0.005	mg/L	0.005	SW846-8260
Chloromethane	U	0.005	mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Dibromomethane	U	0.005	mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	0.005	SW846-8260
Ethanol	U	0.25	mg/L	0.25	SW846-8015 M
Ethyl methacrylate	U	0.005	mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L	0.005	SW846-8260
Iodomethane	U	0.005	mg/L	0.005	SW846-8260
Methylene chloride	U	0.01	mg/L	0.01	SW846-8260
Styrene	U	0.005	mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L	0.005	SW846-8260
Toluene	U	0.005	mg/L	0.005	SW846-8260
Total Xylene	U	0.005	mg/L	0.005	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L	0.005	SW846-8260
Trichloroethene		0.006	mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L	0.005	SW846-8260
Vinyl acetate	U	0.005	mg/L	0.005	SW846-8260
Vinyl chloride	U	0.002	mg/L	0.002	SW846-8260

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MW222

SG98-03

C-746S&T Groundwater Monitoring 3rd Quarter FY98

5236-98

Collected: 4/8/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		27.9	mg/L			SW846-9056
Nitrate as Nitrogen	U	1	mg/L			SW846-9056
Total Organic Carbon (TOC)	U	1	mg/L		1	SW846-9060
Total Organic Halides (TOX)	U	0.01	mg/L			SW846-9020
<b>Field P</b>						
Conductivity		355	umho/cm			
Depth to Water		70.43	ft			
Dissolved Oxygen		6.49	mg/L			
pH		6.16	Std Unit			
Temperature		61	deg F			
<b>METAL</b>						
Barium		0.28	mg/L			SW846-6010
Beryllium	U	0.02	mg/L			SW846-6010
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.05	mg/L			SW846-6010
Cobalt	U	0.05	mg/L			SW846-6010
Copper	U	0.1	mg/L			SW846-6010
Iron		5.14	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Nickel		0.14	mg/L			SW846-6010
Selenium	U	0.005	mg/L		0.005	SW846-7740
Silver	U	0.05	mg/L			SW846-6010
Sodium	N	46.5	mg/L			SW846-6010
Thallium	U	0.4	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Vanadium	U	0.1	mg/L			SW846-6010
Zinc	U	0.1	mg/L			SW846-6010
<b>METAL-D</b>						
Barium		0.26	mg/L			SW846-6010
<b>PHYSC</b>						
Chemical Oxygen Demand (COD)	<	25	mg/L			EPA-410.4 1978
Dissolved Solids		260	mg/L			EPA-160.2
Turbidity	X	75	NTU			EPA-180.1 1978
<b>RADS</b>						
Beta activity		9	pCi/L	1		EPA-900.0
Technetium-99	A	2.5	pCi/L	12.5		RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260

## MW222

## SG98-03

## C-746S&amp;T Groundwater Monitoring 3rd Quarter FY98

1,2-Dichloropropane	U	0.005 mg/L	0.005	SW846-8260
2-Butanone	U	0.01 mg/L	0.01	SW846-8260
2-Chloroethyl vinyl ether	U	0.01 mg/L	0.01	SW846-8260
2-Hexanone	U	0.01 mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01 mg/L	0.01	SW846-8260
Acetone	U	0.01 mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01 mg/L	0.01	SW846-8260
Benzene	U	0.005 mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromoform	U	0.005 mg/L	0.005	SW846-8260
Bromomethane	U	0.005 mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005 mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005 mg/L	0.005	SW846-8260
Chloroethane	U	0.005 mg/L	0.005	SW846-8260
Chloromethane	U	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Dibromomethane	U	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005 mg/L	0.005	SW846-8260
Ethanol	U	0.25 mg/L	0.25	SW846-8015 M
Ethyl methacrylate	U	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	U	0.005 mg/L	0.005	SW846-8260
Methylene chloride	U	0.01 mg/L	0.01	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.005 mg/L	0.005	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.005 mg/L	0.005	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260

**MW223**

**SG98-03**

**C-746S&T Groundwater Monitoring 3rd Quarter FY98**

**5237-98**

Collected: 4/7/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		48.3	mg/L			SW846-9056
Nitrate as Nitrogen		2	mg/L			SW846-9056
Total Organic Carbon (TOC)	U	1	mg/L		1	SW846-9060
Total Organic Halides (TOX)	U	0.01	mg/L			SW846-9020
<b>Field P</b>						
Conductivity		428	umho/cm			
Depth to Water		69.55	ft			
Dissolved Oxygen		5.51	mg/L			
pH		6.03	Std Unit			
Temperature		62.5	deg F			
<b>METAL</b>						
Barium		0.22	mg/L			SW846-6010
Beryllium	U	0.02	mg/L			SW846-6010
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.05	mg/L			SW846-6010
Cobalt	U	0.05	mg/L			SW846-6010
Copper	U	0.1	mg/L			SW846-6010
Iron		1.03	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Nickel		1.04	mg/L			SW846-6010
Selenium	U	0.005	mg/L		0.005	SW846-7740
Silver	U	0.05	mg/L			SW846-6010
Sodium	N	46	mg/L			SW846-6010
Thallium	U	0.4	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Vanadium	U	0.1	mg/L			SW846-6010
Zinc	U	0.1	mg/L			SW846-6010
<b>METAL-D</b>						
Barium		0.22	mg/L			SW846-6010
<b>PHYSC</b>						
Chemical Oxygen Demand (COD)	<	25	mg/L			EPA-410.4 1978
Dissolved Solids		259	mg/L			EPA-160.2
Turbidity	J	9.5	NTU			EPA-180.1 1978
<b>RADS</b>						
Technetium-99	A	16.6	pCi/L	13		RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260



**MW223****SG98-03****C-746S&T Groundwater Monitoring 3rd Quarter FY98**

2-Butanone	U	0.01 mg/L	0.01	SW846-8260
2-Chloroethyl vinyl ether	U	0.01 mg/L	0.01	SW846-8260
2-Hexanone	U	0.01 mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01 mg/L	0.01	SW846-8260
Acetone	U	0.01 mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01 mg/L	0.01	SW846-8260
Benzene	U	0.005 mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromoform	U	0.005 mg/L	0.005	SW846-8260
Bromomethane	U	0.005 mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005 mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005 mg/L	0.005	SW846-8260
Chloroethane	U	0.005 mg/L	0.005	SW846-8260
Chloromethane	U	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Dibromomethane	U	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005 mg/L	0.005	SW846-8260
Ethanol	U	0.25 mg/L	0.25	SW846-8015 M
Ethyl methacrylate	U	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	U	0.005 mg/L	0.005	SW846-8260
Methylene chloride	U	0.01 mg/L	0.01	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.005 mg/L	0.005	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.005 mg/L	0.005	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260

**MW224**

**SG98-03**

**C-746S&T Groundwater Monitoring 3rd Quarter FY98**

**5238-98**

Collected: 4/7/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		36.1	mg/L			SW846-9056
Nitrate as Nitrogen		1.2	mg/L			SW846-9056
Total Organic Carbon (TOC)	U	1	mg/L		1	SW846-9060
Total Organic Halides (TOX)	U	0.01	mg/L			SW846-9020
<b>Field P</b>						
Conductivity		459	umho/cm			
Depth to Water		70.89	ft			
Dissolved Oxygen		2.31	mg/L			
pH		6.1	Std Unit			
Temperature		61.4	deg F			
<b>METAL</b>						
Barium		0.23	mg/L			SW846-6010
Beryllium	U	0.02	mg/L			SW846-6010
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.05	mg/L			SW846-6010
Cobalt	U	0.05	mg/L			SW846-6010
Copper	U	0.1	mg/L			SW846-6010
Iron	U	0.2	mg/L			SW846-6010
Mercury		0.0003	mg/L			SW846-7470
Nickel	U	0.1	mg/L			SW846-6010
Selenium	U	0.005	mg/L		0.005	SW846-7740
Silver	U	0.05	mg/L			SW846-6010
Sodium	N	58.2	mg/L			SW846-6010
Thallium	U	0.4	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Vanadium	U	0.1	mg/L			SW846-6010
Zinc	U	0.1	mg/L			SW846-6010
<b>METAL-D</b>						
Barium		0.23	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
<b>PHYSC</b>						
Chemical Oxygen Demand (COD)	<	25	mg/L			EPA-410.4 1978
Dissolved Solids		274	mg/L			EPA-160.2
Turbidity	<	0.5	NTU			EPA-180.1 1978
<b>RADS</b>						
Technetium-99	A	-1.8	pCi/L	0		RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260

**MW224****SG98-03****C-746S&T Groundwater Monitoring 3rd Quarter FY98**

1,2-Dichloropropane	U	0.005	mg/L	0.005	SW846-8260
2-Butanone	U	0.01	mg/L	0.01	SW846-8260
2-Chloroethyl vinyl ether	U	0.01	mg/L	0.01	SW846-8260
2-Hexanone	U	0.01	mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L	0.01	SW846-8260
Acetone	U	0.01	mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L	0.01	SW846-8260
Benzene	U	0.005	mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromoform	U	0.005	mg/L	0.005	SW846-8260
Bromomethane	U	0.005	mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L	0.005	SW846-8260
Chloroethane	U	0.005	mg/L	0.005	SW846-8260
Chloromethane	U	0.005	mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Dibromomethane	U	0.005	mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	0.005	SW846-8260
Ethanol	U	0.25	mg/L	0.25	SW846-8015 M
Ethyl methacrylate	U	0.005	mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L	0.005	SW846-8260
Iodomethane	U	0.005	mg/L	0.005	SW846-8260
Methylene chloride	U	0.01	mg/L	0.01	SW846-8260
Styrene	U	0.005	mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L	0.005	SW846-8260
Toluene	U	0.005	mg/L	0.005	SW846-8260
Total Xylene	U	0.005	mg/L	0.005	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L	0.005	SW846-8260
Trichloroethene		0.002	mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L	0.005	SW846-8260
Vinyl acetate	U	0.005	mg/L	0.005	SW846-8260
Vinyl chloride	U	0.002	mg/L	0.002	SW846-8260

MW263

SG98-03

C-746S&T Groundwater Monitoring 3rd Quarter FY98

5239-98

Collected: 4/8/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		40.8	mg/L			SW846-9056
Nitrate as Nitrogen	U	1	mg/L			SW846-9056
Total Organic Carbon (TOC)	U	1	mg/L		1	SW846-9060
Total Organic Halides (TOX)	U	0.01	mg/L			SW846-9020
<b>Field P</b>						
Conductivity		542	umho/cm			
Depth to Water		35.13	ft			
Dissolved Oxygen		1.45	mg/L			
pH		6.1	Std Unit			
Temperature		60.3	deg F			
<b>METAL</b>						
Barium		0.05	mg/L			SW846-6010
Beryllium	U	0.02	mg/L			SW846-6010
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium		0.19	mg/L			SW846-6010
Cobalt	U	0.05	mg/L			SW846-6010
Copper	U	0.1	mg/L			SW846-6010
Iron		0.62	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Nickel	U	0.1	mg/L			SW846-6010
Selenium	U	0.005	mg/L		0.005	SW846-7740
Silver	U	0.05	mg/L			SW846-6010
Sodium	N	45.3	mg/L			SW846-6010
Thallium	U	0.4	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Vanadium	U	0.1	mg/L			SW846-6010
Zinc	U	0.1	mg/L			SW846-6010
<b>METAL-D</b>						
Barium		0.05	mg/L			SW846-6010
Chromium	U	0.05	mg/L			SW846-6010
<b>PHYSC</b>						
Chemical Oxygen Demand (COD)	<	25	mg/L			EPA-410.4 1978
Dissolved Solids		327	mg/L			EPA-160.2
Turbidity	X	2.9	NTU			EPA-180.1 1978
<b>RADS</b>						
Beta activity		28	pCi/L	3		EPA-900.0
Technetium-99		21.5	pCi/L	13.2		RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260

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1,2-Dichloroethane	U	0.005 mg/L	0.005	SW846-8260
1,2-Dichloropropane	U	0.005 mg/L	0.005	SW846-8260
2-Butanone	U	0.01 mg/L	0.01	SW846-8260
2-Chloroethyl vinyl ether	U	0.01 mg/L	0.01	SW846-8260
2-Hexanone	U	0.01 mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01 mg/L	0.01	SW846-8260
Acetone	U	0.01 mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01 mg/L	0.01	SW846-8260
Benzene	U	0.005 mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromoform	U	0.005 mg/L	0.005	SW846-8260
Bromomethane	U	0.005 mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005 mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005 mg/L	0.005	SW846-8260
Chloroethane	U	0.005 mg/L	0.005	SW846-8260
Chloromethane	U	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Dibromomethane	U	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005 mg/L	0.005	SW846-8260
Ethanol	U	0.25 mg/L	0.25	SW846-8015 M
Ethyl methacrylate	U	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	U	0.005 mg/L	0.005	SW846-8260
Methylene chloride	U	0.01 mg/L	0.01	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.005 mg/L	0.005	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene		0.011 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.005 mg/L	0.005	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260

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MW264

SG98-03

C-746S&T Groundwater Monitoring 3rd Quarter FY98

5240-98

Collected: 4/6/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		48.4	mg/L			SW846-9056
Nitrate as Nitrogen	NU	1	mg/L			SW846-9056
Total Organic Carbon (TOC)	U	1	mg/L		1	SW846-9060
Total Organic Halides (TOX)	U	0.01	mg/L			SW846-9020
<b>Field P</b>						
Conductivity		503	umho/cm			
Depth to Water		41.5	ft			
Dissolved Oxygen		1.35	mg/L			
pH		6.15	Std Unit			
Temperature		61.1	deg F			
<b>METAL</b>						
Barium		0.15	mg/L			SW846-6010
Beryllium	U	0.02	mg/L			SW846-6010
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.05	mg/L			SW846-6010
Cobalt	U	0.05	mg/L			SW846-6010
Copper	U	0.1	mg/L			SW846-6010
Iron		1.07	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Nickel	U	0.1	mg/L			SW846-6010
Selenium	U	0.005	mg/L		0.005	SW846-7740
Silver	U	0.05	mg/L			SW846-6010
Sodium	N	44.4	mg/L			SW846-6010
Thallium	U	0.4	mg/L			SW846-6010
Uranium		0.001	mg/L			IN7105
Vanadium	U	0.1	mg/L			SW846-6010
Zinc	U	0.1	mg/L			SW846-6010
<b>METAL-D</b>						
Barium		0.15	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
<b>PHYSC</b>						
Chemical Oxygen Demand (COD)	<	25	mg/L			EPA-410.4 1978
Dissolved Solids		287	mg/L			EPA-160.2
Turbidity		14	NTU			EPA-180.1 1978
<b>RADS</b>						
Technetium-99	A	3.9	pCi/L	12.5		RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260

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1,2-Dichloropropane	U	0.005 mg/L	0.005	SW846-8260
2-Butanone	U	0.01 mg/L	0.01	SW846-8260
2-Chloroethyl vinyl ether	U	0.01 mg/L	0.01	SW846-8260
2-Hexanone	U	0.01 mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01 mg/L	0.01	SW846-8260
Acetone	U	0.01 mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01 mg/L	0.01	SW846-8260
Benzene	U	0.005 mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromoform	U	0.005 mg/L	0.005	SW846-8260
Bromomethane	U	0.005 mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005 mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005 mg/L	0.005	SW846-8260
Chloroethane	U	0.005 mg/L	0.005	SW846-8260
Chloromethane	U	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Dibromomethane	U	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005 mg/L	0.005	SW846-8260
Ethanol	U	0.25 mg/L	0.25	SW846-8015 M
Ethyl methacrylate	U	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	U	0.005 mg/L	0.005	SW846-8260
Methylene chloride	U	0.01 mg/L	0.01	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.005 mg/L	0.005	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene		0.002 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.005 mg/L	0.005	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260

## MW265

## SG98-03

## C-746S&amp;T Groundwater Monitoring 3rd Quarter FY98

## 5241-98

Collected: 4/8/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		37.4	mg/L			SW846-9056
Nitrate as Nitrogen	U	1	mg/L			SW846-9056
Total Organic Carbon (TOC)		1	mg/L		1	SW846-9060
Total Organic Halides (TOX)	U	0.01	mg/L			SW846-9020
<b>Field P</b>						
Conductivity		374	umho/cm			
Depth to Water		43.97	ft			
Dissolved Oxygen		1.96	mg/L			
pH		6.2	Std Unit			
Temperature		59.5	deg F			
<b>METAL</b>						
Barium		0.21	mg/L			SW846-6010
Beryllium	U	0.02	mg/L			SW846-6010
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium		0.65	mg/L			SW846-6010
Cobalt	U	0.05	mg/L			SW846-6010
Copper	U	0.1	mg/L			SW846-6010
Iron		2.28	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Nickel		0.1	mg/L			SW846-6010
Selenium	U	0.005	mg/L		0.005	SW846-7740
Silver	U	0.05	mg/L			SW846-6010
Sodium	N	41.7	mg/L			SW846-6010
Thallium	U	0.4	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Vanadium	U	0.1	mg/L			SW846-6010
Zinc	U	0.1	mg/L			SW846-6010
<b>METAL-D</b>						
Barium		0.2	mg/L			SW846-6010
Chromium	U	0.05	mg/L			SW846-6010
<b>PHYSC</b>						
Chemical Oxygen Demand (COD)	<	25	mg/L			EPA-410.4 1978
Dissolved Solids		211	mg/L			EPA-160.2
Turbidity	X	14	NTU			EPA-180.1 1978
<b>RADS</b>						
Beta activity		8	pCi/L	1		EPA-900.0
Technetium-99	A	9.6	pCi/L	12.8		RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260



## MW265

## SG98-03

## C-746S&amp;T Groundwater Monitoring 3rd Quarter FY98

1,2-Dichloroethane	U	0.005 mg/L	0.005	SW846-8260
1,2-Dichloropropane	U	0.005 mg/L	0.005	SW846-8260
2-Butanone	U	0.01 mg/L	0.01	SW846-8260
2-Chloroethyl vinyl ether	U	0.01 mg/L	0.01	SW846-8260
2-Hexanone	U	0.01 mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01 mg/L	0.01	SW846-8260
Acetone	U	0.01 mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01 mg/L	0.01	SW846-8260
Benzene	U	0.005 mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromoform	U	0.005 mg/L	0.005	SW846-8260
Bromomethane	U	0.005 mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005 mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005 mg/L	0.005	SW846-8260
Chloroethane	U	0.005 mg/L	0.005	SW846-8260
Chloromethane	U	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Dibromomethane	U	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005 mg/L	0.005	SW846-8260
Ethanol	U	0.25 mg/L	0.25	SW846-8015 M
Ethyl methacrylate	U	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	U	0.005 mg/L	0.005	SW846-8260
Methylene chloride	U	0.01 mg/L	0.01	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.005 mg/L	0.005	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene		0.004 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.005 mg/L	0.005	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260

MW266

SG98-03

C-746S&T Groundwater Monitoring 3rd Quarter FY98

5242-98

Collected: 4/6/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride	N	62.6	mg/L			SW846-9056
Nitrate as Nitrogen		1.4	mg/L			SW846-9056
Total Organic Carbon (TOC)	U	1	mg/L		1	SW846-9060
Total Organic Halides (TOX)	U	0.01	mg/L			SW846-9020
<b>Field P</b>						
Conductivity		581	umho/cm			
Depth to Water		40.71	ft			
Dissolved Oxygen		0.81	mg/L			
pH		6.03	Std Unit			
Temperature		61.3	deg F			
<b>METAL</b>						
Barium		0.08	mg/L			SW846-6010
Beryllium	U	0.02	mg/L			SW846-6010
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium		1.81	mg/L			SW846-6010
Cobalt	U	0.05	mg/L			SW846-6010
Copper	U	0.1	mg/L			SW846-6010
Iron		16.7	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Nickel		0.32	mg/L			SW846-6010
Selenium	U	0.005	mg/L		0.005	SW846-7740
Silver	U	0.05	mg/L			SW846-6010
Sodium	N	46.6	mg/L			SW846-6010
Thallium	U	0.4	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Vanadium	U	0.1	mg/L			SW846-6010
Zinc	U	0.1	mg/L			SW846-6010
<b>METAL-D</b>						
Barium		0.07	mg/L			SW846-6010
Chromium	U	0.05	mg/L			SW846-6010
<b>PHYSC</b>						
Chemical Oxygen Demand (COD)	<	25	mg/L			EPA-410.4 1978
Dissolved Solids		332	mg/L			EPA-160.2
Turbidity		150	NTU			EPA-180.1 1978
<b>RADS</b>						
Technetium-99		19.6	pCi/L	13.1		RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260

## MW266

## SG98-03

## C-746S&amp;T Groundwater Monitoring 3rd Quarter FY98

1,2-Dichloropropane	U	0.005 mg/L	0.005	SW846-8260
2-Butanone	U	0.01 mg/L	0.01	SW846-8260
2-Chloroethyl vinyl ether	U	0.01 mg/L	0.01	SW846-8260
2-Hexanone	U	0.01 mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01 mg/L	0.01	SW846-8260
Acetone	U	0.01 mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01 mg/L	0.01	SW846-8260
Benzene	U	0.005 mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromoform	U	0.005 mg/L	0.005	SW846-8260
Bromomethane	U	0.005 mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005 mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005 mg/L	0.005	SW846-8260
Chloroethane	U	0.005 mg/L	0.005	SW846-8260
Chloromethane	U	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Dibromomethane	U	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005 mg/L	0.005	SW846-8260
Ethanol	U	0.25 mg/L	0.25	SW846-8015 M
Ethyl methacrylate	U	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	U	0.005 mg/L	0.005	SW846-8260
Methylene chloride	U	0.01 mg/L	0.01	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.005 mg/L	0.005	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene		0.004 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.005 mg/L	0.005	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260

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12/18/2007

MW267

SG98-03

C-746S&T Groundwater Monitoring 3rd Quarter FY98

5243-98

Collected: 4/7/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		63	mg/L			SW846-9056
Nitrate as Nitrogen		2.7	mg/L			SW846-9056
Total Organic Carbon (TOC)		2	mg/L		1	SW846-9060
Total Organic Halides (TOX)	U	0.01	mg/L			SW846-9020
<b>Field P</b>						
Conductivity		490	umho/cm			
Depth to Water		55.76	ft			
Dissolved Oxygen		1.86	mg/L			
pH		5.9	Std Unit			
Temperature		60.5	deg F			
<b>METAL</b>						
Barium		0.23	mg/L			SW846-6010
Beryllium	U	0.02	mg/L			SW846-6010
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium		0.25	mg/L			SW846-6010
Cobalt	U	0.05	mg/L			SW846-6010
Copper	U	0.1	mg/L			SW846-6010
Iron		2.06	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Nickel	U	0.1	mg/L			SW846-6010
Selenium	U	0.005	mg/L		0.005	SW846-7740
Silver	U	0.05	mg/L			SW846-6010
Sodium	N	45.3	mg/L			SW846-6010
Thallium	U	0.4	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Vanadium	U	0.1	mg/L			SW846-6010
Zinc	U	0.1	mg/L			SW846-6010
<b>METAL-D</b>						
Barium		0.22	mg/L			SW846-6010
Chromium	U	0.05	mg/L			SW846-6010
<b>PHYSC</b>						
Chemical Oxygen Demand (COD)	<	25	mg/L			EPA-410.4 1978
Dissolved Solids		260	mg/L			EPA-160.2
Turbidity		17	NTU			EPA-180.1 1978
<b>RADS</b>						
Beta activity		20	pCi/L	3		EPA-900.0
Technetium-99	A	11.9	pCi/L	12.8		RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260

## MW267

## SG98-03

## C-746S&amp;T Groundwater Monitoring 3rd Quarter FY98

1,2-Dichloroethane	U	0.005 mg/L	0.005	SW846-8260
1,2-Dichloropropane	U	0.005 mg/L	0.005	SW846-8260
2-Butanone	U	0.01 mg/L	0.01	SW846-8260
2-Chloroethyl vinyl ether	U	0.01 mg/L	0.01	SW846-8260
2-Hexanone	U	0.01 mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01 mg/L	0.01	SW846-8260
Acetone	U	0.01 mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01 mg/L	0.01	SW846-8260
Benzene	U	0.005 mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromoform	U	0.005 mg/L	0.005	SW846-8260
Bromomethane	U	0.005 mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005 mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005 mg/L	0.005	SW846-8260
Chloroethane	U	0.005 mg/L	0.005	SW846-8260
Chloromethane	U	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Dibromomethane	U	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005 mg/L	0.005	SW846-8260
Ethanol	U	0.25 mg/L	0.25	SW846-8015 M
Ethyl methacrylate	U	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	U	0.005 mg/L	0.005	SW846-8260
Methylene chloride	U	0.01 mg/L	0.01	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.005 mg/L	0.005	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.005 mg/L	0.005	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260

MW179

SG98-04

C-746S&T Groundwater Monitoring 4th Quarter FY98

5418-98

Collected: 7/6/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		38.3	mg/L		2	SW846-9056
Nitrate as Nitrogen		1.3	mg/L		1	SW846-9056
Total Organic Carbon (TOC)	U	1	mg/L		1	SW846-9060
Total Organic Halides (TOX)	U	0.01	mg/L			SW846-9020
<b>Field P</b>						
Conductivity		843	umho/cm			
Depth to Water		31.38	ft			
Dissolved Oxygen		2.07	mg/L			
pH		5.91	Std Unit			
Temperature		71.1	deg F			
<b>METAL</b>						
Barium	U	0.05	mg/L			SW846-6010
Beryllium	U	0.02	mg/L			SW846-6010
Cadmium	UW	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.05	mg/L			SW846-6010
Cobalt	U	0.05	mg/L			SW846-6010
Copper	U	0.1	mg/L			SW846-6010
Iron	N	0.74	mg/L			SW846-6010
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel	U	0.1	mg/L			SW846-6010
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Silver	U	0.05	mg/L			SW846-6010
Sodium	N	67.8	mg/L			SW846-6010
Thallium	U	0.4	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Vanadium	U	0.1	mg/L			SW846-6010
Zinc	U	0.1	mg/L			SW846-6010
<b>PHYSC</b>						
Chemical Oxygen Demand (COD)	U	25	mg/L		25	EPA-410.4 1978
Dissolved Solids		518	mg/L		25	EPA-160.2
Turbidity		6.5	NTU		0.5	EPA-180.1 1978
<b>RADS</b>						
Beta activity		208	pCi/L	9		EPA-900.0
Technetium-99		451.8	pCi/L	22.9		RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260

## MW179

## SG98-04

## C-746S&amp;T Groundwater Monitoring 4th Quarter FY98

2-Chloroethyl vinyl ether	U	0.01 mg/L	0.01	SW846-8260
2-Hexanone	U	0.01 mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01 mg/L	0.01	SW846-8260
Acetone	U	0.01 mg/L	0.01	SW846-8260
Acrolein	U	0.01 mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01 mg/L	0.01	SW846-8260
Benzene	U	0.005 mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromoform	U	0.005 mg/L	0.005	SW846-8260
Bromomethane	U	0.005 mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005 mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005 mg/L	0.005	SW846-8260
Chloroethane	U	0.005 mg/L	0.005	SW846-8260
Chloromethane	U	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Dibromomethane	U	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005 mg/L	0.005	SW846-8260
Ethyl methacrylate	U	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	U	0.005 mg/L	0.005	SW846-8260
Methylene chloride	U	0.01 mg/L	0.01	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.005 mg/L	0.005	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene		0.004 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.005 mg/L	0.005	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260

MW181

SG98-04

C-746S&T Groundwater Monitoring 4th Quarter FY98

5419-98

Collected: 7/6/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		36.5	mg/L		2	SW846-9056
Nitrate as Nitrogen		2.1	mg/L		1	SW846-9056
Total Organic Carbon (TOC)	U	1	mg/L		1	SW846-9060
Total Organic Halides (TOX)	U	0.01	mg/L			SW846-9020
<b>Field P</b>						
Conductivity		389	umho/cm			
Depth to Water		43.69	ft			
Dissolved Oxygen		2.92	mg/L			
pH		5.95	Std Unit			
Temperature		67.5	deg F			
<b>METAL</b>						
Barium		0.17	mg/L			SW846-6010
Beryllium	U	0.02	mg/L			SW846-6010
Cadmium	UW	0.005	mg/L		0.005	SW846-7131
Chromium		0.71	mg/L			SW846-6010
Cobalt	U	0.05	mg/L			SW846-6010
Copper	U	0.1	mg/L			SW846-6010
Iron	N	6.83	mg/L			SW846-6010
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel		0.34	mg/L			SW846-6010
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Silver	U	0.05	mg/L			SW846-6010
Sodium	N	46.5	mg/L			SW846-6010
Thallium	U	0.4	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Vanadium	U	0.1	mg/L			SW846-6010
Zinc	U	0.1	mg/L			SW846-6010
<b>METAL-D</b>						
Barium		0.13	mg/L			SW846-6010
Chromium	U	0.05	mg/L			SW846-6010
<b>PHYSC</b>						
Chemical Oxygen Demand (COD)	U	25	mg/L		25	EPA-410.4 1978
Dissolved Solids		215	mg/L		25	EPA-160.2
Turbidity		65	NTU		0.5	EPA-180.1 1978
<b>RADS</b>						
Beta activity		25	pCi/L	3		EPA-900.0
Technetium-99		49.2	pCi/L	13.4		RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260



## MW181

## SG98-04

## C-746S&amp;T Groundwater Monitoring 4th Quarter FY98

1,2-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	0.005	SW846-8260
2-Butanone	U	0.01	mg/L	0.01	SW846-8260
2-Chloroethyl vinyl ether	U	0.01	mg/L	0.01	SW846-8260
2-Hexanone	U	0.01	mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L	0.01	SW846-8260
Acetone	U	0.01	mg/L	0.01	SW846-8260
Acrolein	U	0.01	mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L	0.01	SW846-8260
Benzene	U	0.005	mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromoform	U	0.005	mg/L	0.005	SW846-8260
Bromomethane	U	0.005	mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L	0.005	SW846-8260
Chloroethane	U	0.005	mg/L	0.005	SW846-8260
Chloromethane	U	0.005	mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Dibromomethane	U	0.005	mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	0.005	SW846-8260
Ethyl methacrylate	U	0.005	mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L	0.005	SW846-8260
Iodomethane	U	0.005	mg/L	0.005	SW846-8260
Methylene chloride	U	0.01	mg/L	0.01	SW846-8260
Styrene	U	0.005	mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L	0.005	SW846-8260
Toluene	U	0.005	mg/L	0.005	SW846-8260
Total Xylene	U	0.005	mg/L	0.005	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L	0.005	SW846-8260
Trichloroethene	U	0.001	mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L	0.005	SW846-8260
Vinyl acetate	U	0.005	mg/L	0.005	SW846-8260
Vinyl chloride	U	0.002	mg/L	0.002	SW846-8260

MW181

SG98-04

C-746S&T Groundwater Monitoring 4th Quarter FY98

5430-98

Collected: 7/6/1998

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		37.6	mg/L		2	SW846-9056
Nitrate as Nitrogen		2	mg/L		1	SW846-9056
Total Organic Carbon (TOC)	U	1	mg/L		1	SW846-9060
Total Organic Halides (TOX)	U	0.01	mg/L			SW846-9020
<b>Field P</b>						
Conductivity		389	umho/cm			
Depth to Water		43.69	ft			
Dissolved Oxygen		2.92	mg/L			
pH		5.95	Std Unit			
Temperature		67.5	deg F			
<b>METAL</b>						
Barium		0.17	mg/L			SW846-6010
Beryllium	U	0.02	mg/L			SW846-6010
Cadmium	UW	0.005	mg/L		0.005	SW846-7131
Chromium		0.54	mg/L			SW846-6010
Cobalt	U	0.05	mg/L			SW846-6010
Copper	U	0.1	mg/L			SW846-6010
Iron	N	6.06	mg/L			SW846-6010
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel		0.22	mg/L			SW846-6010
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Silver	U	0.05	mg/L			SW846-6010
Sodium	N	43.1	mg/L			SW846-6010
Thallium	U	0.4	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Vanadium	U	0.1	mg/L			SW846-6010
Zinc	U	0.1	mg/L			SW846-6010
<b>METAL-D</b>						
Barium		0.13	mg/L			SW846-6010
Chromium	U	0.05	mg/L			SW846-6010
<b>PHYSC</b>						
Chemical Oxygen Demand (COD)	U	25	mg/L		25	EPA-410.4 1978
Dissolved Solids		225	mg/L		25	EPA-160.2
Turbidity		50	NTU		0.5	EPA-180.1 1978
<b>RADS</b>						
Beta activity		32	pCi/L	4		EPA-900.0
Technetium-99		53.1	pCi/L	13.5		RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260

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1,2-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	0.005	SW846-8260
2-Butanone	U	0.01	mg/L	0.01	SW846-8260
2-Chloroethyl vinyl ether	U	0.01	mg/L	0.01	SW846-8260
2-Hexanone	U	0.01	mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L	0.01	SW846-8260
Acetone	U	0.01	mg/L	0.01	SW846-8260
Acrolein	U	0.01	mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L	0.01	SW846-8260
Benzene	U	0.005	mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromoform	U	0.005	mg/L	0.005	SW846-8260
Bromomethane	U	0.005	mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L	0.005	SW846-8260
Chloroethane	U	0.005	mg/L	0.005	SW846-8260
Chloromethane	U	0.005	mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Dibromomethane	U	0.005	mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	0.005	SW846-8260
Ethyl methacrylate	U	0.005	mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L	0.005	SW846-8260
Iodomethane	U	0.005	mg/L	0.005	SW846-8260
Methylene chloride	U	0.01	mg/L	0.01	SW846-8260
Styrene	U	0.005	mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L	0.005	SW846-8260
Toluene	U	0.005	mg/L	0.005	SW846-8260
Total Xylene	U	0.005	mg/L	0.005	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L	0.005	SW846-8260
Trichloroethene	U	0.001	mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L	0.005	SW846-8260
Vinyl acetate	U	0.005	mg/L	0.005	SW846-8260
Vinyl chloride	U	0.002	mg/L	0.002	SW846-8260

**MW220**

**SG98-04**

**C-746S&T Groundwater Monitoring 4th Quarter FY98**

**5420-98**

Collected: 7/7/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		34.3	mg/L		2	SW846-9056
Nitrate as Nitrogen		1.5	mg/L		1	SW846-9056
Total Organic Carbon (TOC)	U	1	mg/L		1	SW846-9060
Total Organic Halides (TOX)	U	0.01	mg/L			SW846-9020
<b>Field P</b>						
Conductivity		365	umho/cm			
Depth to Water		53.44	ft			
Dissolved Oxygen		4.5	mg/L			
pH		6.1	Std Unit			
Temperature		67.8	deg F			
<b>METAL</b>						
Barium		0.19	mg/L			SW846-6010
Beryllium	U	0.02	mg/L			SW846-6010
Cadmium	UW	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.05	mg/L			SW846-6010
Cobalt	U	0.05	mg/L			SW846-6010
Copper	U	0.1	mg/L			SW846-6010
Iron	NU	0.2	mg/L			SW846-6010
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel		0.89	mg/L			SW846-6010
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Silver	U	0.05	mg/L			SW846-6010
Sodium	N	36.9	mg/L			SW846-6010
Thallium	U	0.4	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Vanadium	U	0.1	mg/L			SW846-6010
Zinc	U	0.1	mg/L			SW846-6010
<b>METAL-D</b>						
Barium		0.19	mg/L			SW846-6010
<b>PHYSC</b>						
Chemical Oxygen Demand (COD)	U	25	mg/L		25	EPA-410.4 1978
Dissolved Solids		208	mg/L		25	EPA-160.2
Turbidity		1.9	NTU		0.5	EPA-180.1 1978
<b>RADS</b>						
Beta activity		7	pCi/L	1		EPA-900.0
Technetium-99	A	13.6	pCi/L	12.2		RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260

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1,2-Dichloropropane	U	0.005	mg/L	0.005	SW846-8260
2-Butanone	U	0.01	mg/L	0.01	SW846-8260
2-Chloroethyl vinyl ether	U	0.01	mg/L	0.01	SW846-8260
2-Hexanone	U	0.01	mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L	0.01	SW846-8260
Acetone	U	0.01	mg/L	0.01	SW846-8260
Acrolein	U	0.01	mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L	0.01	SW846-8260
Benzene	U	0.005	mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromoform	U	0.005	mg/L	0.005	SW846-8260
Bromomethane	U	0.005	mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L	0.005	SW846-8260
Chloroethane	U	0.005	mg/L	0.005	SW846-8260
Chloromethane	U	0.005	mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Dibromomethane	U	0.005	mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	0.005	SW846-8260
Ethyl methacrylate	U	0.005	mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L	0.005	SW846-8260
Iodomethane	U	0.005	mg/L	0.005	SW846-8260
Methylene chloride	U	0.01	mg/L	0.01	SW846-8260
Styrene	U	0.005	mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L	0.005	SW846-8260
Toluene	U	0.005	mg/L	0.005	SW846-8260
Total Xylene	U	0.005	mg/L	0.005	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L	0.005	SW846-8260
Trichloroethene	U	0.001	mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L	0.005	SW846-8260
Vinyl acetate	U	0.005	mg/L	0.005	SW846-8260
Vinyl chloride	U	0.002	mg/L	0.002	SW846-8260

MW221

SG98-04

C-746S&T Groundwater Monitoring 4th Quarter FY98

5421-98

Collected: 7/6/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		45.3	mg/L		2	SW846-9056
Nitrate as Nitrogen		1.6	mg/L		1	SW846-9056
Total Organic Carbon (TOC)	U	1	mg/L		1	SW846-9060
Total Organic Halides (TOX)		0.01	mg/L			SW846-9020
<b>Field P</b>						
Conductivity		441	umho/cm			
Depth to Water		63.19	ft			
Dissolved Oxygen		2.68	mg/L			
pH		5.9	Std Unit			
Temperature		64.9	deg F			
<b>METAL</b>						
Barium		0.24	mg/L			SW846-6010
Beryllium	U	0.02	mg/L			SW846-6010
Cadmium	UW	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.05	mg/L			SW846-6010
Cobalt	U	0.05	mg/L			SW846-6010
Copper	U	0.1	mg/L			SW846-6010
Iron	N	0.27	mg/L			SW846-6010
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel		0.68	mg/L			SW846-6010
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Silver	U	0.05	mg/L			SW846-6010
Sodium	N	45.8	mg/L			SW846-6010
Thallium	U	0.4	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Vanadium	U	0.1	mg/L			SW846-6010
Zinc	U	0.1	mg/L			SW846-6010
<b>METAL-D</b>						
Barium		0.23	mg/L			SW846-6010
<b>PHYSC</b>						
Chemical Oxygen Demand (COD)	U	25	mg/L		25	EPA-410.4 1978
Dissolved Solids		243	mg/L		25	EPA-160.2
Turbidity		1.9	NTU		0.5	EPA-180.1 1978
<b>RADS</b>						
Beta activity		12	pCi/L	2		EPA-900.0
Technetium-99	A	6.9	pCi/L	11.9		RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260

## MW221

## SG98-04

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1,2-Dichloropropane	U	0.005 mg/L	0.005	SW846-8260
2-Butanone	U	0.01 mg/L	0.01	SW846-8260
2-Chloroethyl vinyl ether	U	0.01 mg/L	0.01	SW846-8260
2-Hexanone	U	0.01 mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01 mg/L	0.01	SW846-8260
Acetone	U	0.01 mg/L	0.01	SW846-8260
Acrolein	U	0.01 mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01 mg/L	0.01	SW846-8260
Benzene	U	0.005 mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromoform	U	0.005 mg/L	0.005	SW846-8260
Bromomethane	U	0.005 mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005 mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005 mg/L	0.005	SW846-8260
Chloroethane	U	0.005 mg/L	0.005	SW846-8260
Chloromethane	U	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Dibromomethane	U	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005 mg/L	0.005	SW846-8260
Ethyl methacrylate	U	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	U	0.005 mg/L	0.005	SW846-8260
Methylene chloride	U	0.01 mg/L	0.01	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.005 mg/L	0.005	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene		0.004 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.005 mg/L	0.005	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260

MW222

SG98-04

C-746S&T Groundwater Monitoring 4th Quarter FY98

5422-98

Collected: 7/6/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		38.9	mg/L		2	SW846-9056
Nitrate as Nitrogen		1.4	mg/L		1	SW846-9056
Total Organic Carbon (TOC)	U	1	mg/L		1	SW846-9060
Total Organic Halides (TOX)	U	0.01	mg/L			SW846-9020
<b>Field P</b>						
Conductivity		414	umho/cm			
Depth to Water		67.23	ft			
Dissolved Oxygen		5.62	mg/L			
pH		6.1	Std Unit			
Temperature		66.2	deg F			
<b>METAL</b>						
Barium		0.3	mg/L			SW846-6010
Beryllium	U	0.02	mg/L			SW846-6010
Cadmium	UW	0.005	mg/L		0.005	SW846-7131
Chromium		0.05	mg/L			SW846-6010
Cobalt	U	0.05	mg/L			SW846-6010
Copper	U	0.1	mg/L			SW846-6010
Iron	N	2.91	mg/L			SW846-6010
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel		0.32	mg/L			SW846-6010
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Silver	U	0.05	mg/L			SW846-6010
Sodium	N	51.4	mg/L			SW846-6010
Thallium	U	0.4	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Vanadium	U	0.1	mg/L			SW846-6010
Zinc	U	0.1	mg/L			SW846-6010
<b>METAL-D</b>						
Barium		0.29	mg/L			SW846-6010
Chromium	U	0.05	mg/L			SW846-6010
<b>PHYSC</b>						
Chemical Oxygen Demand (COD)	U	25	mg/L		25	EPA-410.4 1978
Dissolved Solids		250	mg/L		25	EPA-160.2
Turbidity		31	NTU		0.5	EPA-180.1 1978
<b>RADS</b>						
Beta activity	A	3	pCi/L			EPA-900.0
Technetium-99	A	8	pCi/L	12		RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260



**MW222****SG98-04****C-746S&T Groundwater Monitoring 4th Quarter FY98**

1,2-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	0.005	SW846-8260
2-Butanone	U	0.01	mg/L	0.01	SW846-8260
2-Chloroethyl vinyl ether	U	0.01	mg/L	0.01	SW846-8260
2-Hexanone	U	0.01	mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L	0.01	SW846-8260
Acetone	U	0.01	mg/L	0.01	SW846-8260
Acrolein	U	0.01	mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L	0.01	SW846-8260
Benzene	U	0.005	mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromoform	U	0.005	mg/L	0.005	SW846-8260
Bromomethane	U	0.005	mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L	0.005	SW846-8260
Chloroethane	U	0.005	mg/L	0.005	SW846-8260
Chloromethane	U	0.005	mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Dibromomethane	U	0.005	mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	0.005	SW846-8260
Ethyl methacrylate	U	0.005	mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L	0.005	SW846-8260
Iodomethane	U	0.005	mg/L	0.005	SW846-8260
Methylene chloride	U	0.01	mg/L	0.01	SW846-8260
Styrene	U	0.005	mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L	0.005	SW846-8260
Toluene	U	0.005	mg/L	0.005	SW846-8260
Total Xylene	U	0.005	mg/L	0.005	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L	0.005	SW846-8260
Trichloroethene	U	0.001	mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L	0.005	SW846-8260
Vinyl acetate	U	0.005	mg/L	0.005	SW846-8260
Vinyl chloride	U	0.002	mg/L	0.002	SW846-8260

MW223

SG98-04

C-746S&T Groundwater Monitoring 4th Quarter FY98

5423-98

Collected: 7/6/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		45.8	mg/L		2	SW846-9056
Nitrate as Nitrogen		2.1	mg/L		1	SW846-9056
Total Organic Carbon (TOC)	U	1	mg/L		1	SW846-9060
Total Organic Halides (TOX)		0.01	mg/L			SW846-9020
<b>Field P</b>						
Conductivity		446	umho/cm			
Depth to Water		66.41	ft			
Dissolved Oxygen		1.42	mg/L			
pH		6.1	Std Unit			
Temperature		65.9	deg F			
<b>METAL</b>						
Barium		0.23	mg/L			SW846-6010
Beryllium	U	0.02	mg/L			SW846-6010
Cadmium	UW	0.005	mg/L		0.005	SW846-7131
Chromium		0.05	mg/L			SW846-6010
Cobalt	U	0.05	mg/L			SW846-6010
Copper	U	0.1	mg/L			SW846-6010
Iron	N	1.67	mg/L			SW846-6010
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel		1.48	mg/L			SW846-6010
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Silver	U	0.05	mg/L			SW846-6010
Sodium	N	46.9	mg/L			SW846-6010
Thallium	U	0.4	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Vanadium	U	0.1	mg/L			SW846-6010
Zinc	U	0.1	mg/L			SW846-6010
<b>METAL-D</b>						
Barium		0.22	mg/L			SW846-6010
Chromium	U	0.05	mg/L			SW846-6010
<b>PHYSC</b>						
Chemical Oxygen Demand (COD)	U	25	mg/L		25	EPA-410.4 1978
Dissolved Solids		248	mg/L		25	EPA-160.2
Turbidity		15	NTU		0.5	EPA-180.1 1978
<b>RADS</b>						
Beta activity		15	pCi/L	2		EPA-900.0
Technetium-99	A	10.3	pCi/L	12		RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260

## MW223

## SG98-04

## C-746S&amp;T Groundwater Monitoring 4th Quarter FY98

1,2-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	0.005	SW846-8260
2-Butanone	U	0.01	mg/L	0.01	SW846-8260
2-Chloroethyl vinyl ether	U	0.01	mg/L	0.01	SW846-8260
2-Hexanone	U	0.01	mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L	0.01	SW846-8260
Acetone	U	0.01	mg/L	0.01	SW846-8260
Acrolein	U	0.01	mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L	0.01	SW846-8260
Benzene	U	0.005	mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromoform	U	0.005	mg/L	0.005	SW846-8260
Bromomethane	U	0.005	mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L	0.005	SW846-8260
Chloroethane	U	0.005	mg/L	0.005	SW846-8260
Chloromethane	U	0.005	mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Dibromomethane	U	0.005	mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	0.005	SW846-8260
Ethyl methacrylate	U	0.005	mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L	0.005	SW846-8260
Iodomethane	U	0.005	mg/L	0.005	SW846-8260
Methylene chloride	U	0.01	mg/L	0.01	SW846-8260
Styrene	U	0.005	mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L	0.005	SW846-8260
Toluene	U	0.005	mg/L	0.005	SW846-8260
Total Xylene	U	0.005	mg/L	0.005	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L	0.005	SW846-8260
Trichloroethene	U	0.001	mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L	0.005	SW846-8260
Vinyl acetate	U	0.005	mg/L	0.005	SW846-8260
Vinyl chloride	U	0.002	mg/L	0.002	SW846-8260

MW224

SG98-04

C-746S&T Groundwater Monitoring 4th Quarter FY98

5424-98

Collected: 7/7/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		42.7	mg/L		2	SW846-9056
Nitrate as Nitrogen		1.5	mg/L		1	SW846-9056
Total Organic Carbon (TOC)	U	1	mg/L		1	SW846-9060
Total Organic Halides (TOX)		0.01	mg/L			SW846-9020
<b>Field P</b>						
Conductivity		443	umho/cm			
Depth to Water		67.63	ft			
Dissolved Oxygen		4.05	mg/L			
pH		5.9	Std Unit			
Temperature		66.1	deg F			
<b>METAL</b>						
Barium		0.23	mg/L			SW846-6010
Beryllium	U	0.02	mg/L			SW846-6010
Cadmium	UW	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.05	mg/L			SW846-6010
Cobalt	U	0.05	mg/L			SW846-6010
Copper	U	0.1	mg/L			SW846-6010
Iron	NU	0.2	mg/L			SW846-6010
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel	U	0.1	mg/L			SW846-6010
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Silver	U	0.05	mg/L			SW846-6010
Sodium	N	52.3	mg/L			SW846-6010
Thallium	U	0.4	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Vanadium	U	0.1	mg/L			SW846-6010
Zinc	U	0.1	mg/L			SW846-6010
<b>METAL-D</b>						
Barium		0.23	mg/L			SW846-6010
<b>PHYSIC</b>						
Chemical Oxygen Demand (COD)	U	25	mg/L		25	EPA-410.4 1978
Dissolved Solids		249	mg/L		25	EPA-160.2
Turbidity	<	0.5	NTU		0.5	EPA-180.1 1978
<b>RADS</b>						
Beta activity		7	pCi/L	1		EPA-900.0
Technetium-99	A	6.9	pCi/L	12.4		RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260

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1,2-Dichloropropane	U	0.005	mg/L	0.005	SW846-8260
2-Butanone	U	0.01	mg/L	0.01	SW846-8260
2-Chloroethyl vinyl ether	U	0.01	mg/L	0.01	SW846-8260
2-Hexanone	U	0.01	mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L	0.01	SW846-8260
Acetone	U	0.01	mg/L	0.01	SW846-8260
Acrolein	U	0.01	mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L	0.01	SW846-8260
Benzene	U	0.005	mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromoform	U	0.005	mg/L	0.005	SW846-8260
Bromomethane	U	0.005	mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L	0.005	SW846-8260
Chloroethane	U	0.005	mg/L	0.005	SW846-8260
Chloromethane	U	0.005	mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Dibromomethane	U	0.005	mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	0.005	SW846-8260
Ethyl methacrylate	U	0.005	mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L	0.005	SW846-8260
Iodomethane	U	0.005	mg/L	0.005	SW846-8260
Methylene chloride	U	0.01	mg/L	0.01	SW846-8260
Styrene	U	0.005	mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L	0.005	SW846-8260
Toluene	U	0.005	mg/L	0.005	SW846-8260
Total Xylene	U	0.005	mg/L	0.005	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L	0.005	SW846-8260
Trichloroethene		0.003	mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L	0.005	SW846-8260
Vinyl acetate	U	0.005	mg/L	0.005	SW846-8260
Vinyl chloride	U	0.002	mg/L	0.002	SW846-8260

**MW263**

**SG98-04**

**C-746S&T Groundwater Monitoring 4th Quarter FY98**

**5425-98**

Collected: 7/7/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		42	mg/L		2	SW846-9056
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Total Organic Carbon (TOC)	U	1	mg/L		1	SW846-9060
Total Organic Halides (TOX)		0.02	mg/L			SW846-9020
<b>Field P</b>						
Conductivity		550	umho/cm			
Depth to Water		31.88	ft			
Dissolved Oxygen		1.92	umho/cm			
pH		6.05	deg F			
Temperature		69.5	deg F			
<b>METAL</b>						
Barium		0.06	mg/L			SW846-6010
Beryllium	U	0.02	mg/L			SW846-6010
Cadmium	UW	0.005	mg/L		0.005	SW846-7131
Chromium		0.14	mg/L			SW846-6010
Cobalt	U	0.05	mg/L			SW846-6010
Copper	U	0.1	mg/L			SW846-6010
Iron	N	0.47	mg/L			SW846-6010
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel	U	0.1	mg/L			SW846-6010
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Silver	U	0.05	mg/L			SW846-6010
Sodium	N	50.7	mg/L			SW846-6010
Thallium	U	0.4	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Vanadium	U	0.1	mg/L			SW846-6010
Zinc	U	0.1	mg/L			SW846-6010
<b>METAL-D</b>						
Barium		0.05	mg/L			SW846-6010
Chromium	U	0.05	mg/L			SW846-6010
<b>PHYSC</b>						
Chemical Oxygen Demand (COD)	U	25	mg/L		25	EPA-410.4 1978
Dissolved Solids		315	mg/L		25	EPA-160.2
Turbidity		6.4	NTU		0.5	EPA-180.1 1978
<b>RADS</b>						
Beta activity		54	pCi/L	5		EPA-900.0
Technetium-99		39.2	pCi/L	13.1		RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260

## MW263

## SG98-04

## C-746S&amp;T Groundwater Monitoring 4th Quarter FY98

1,2-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	0.005	SW846-8260
2-Butanone	U	0.01	mg/L	0.01	SW846-8260
2-Chloroethyl vinyl ether	U	0.01	mg/L	0.01	SW846-8260
2-Hexanone	U	0.01	mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L	0.01	SW846-8260
Acetone	U	0.01	mg/L	0.01	SW846-8260
Acrolein	U	0.01	mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L	0.01	SW846-8260
Benzene	U	0.005	mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromoform	U	0.005	mg/L	0.005	SW846-8260
Bromomethane	U	0.005	mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L	0.005	SW846-8260
Chloroethane	U	0.005	mg/L	0.005	SW846-8260
Chloromethane	U	0.005	mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Dibromomethane	U	0.005	mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	0.005	SW846-8260
Ethyl methacrylate	U	0.005	mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L	0.005	SW846-8260
Iodomethane	U	0.005	mg/L	0.005	SW846-8260
Methylene chloride	U	0.01	mg/L	0.01	SW846-8260
Styrene	U	0.005	mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L	0.005	SW846-8260
Toluene	U	0.005	mg/L	0.005	SW846-8260
Total Xylene	U	0.005	mg/L	0.005	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L	0.005	SW846-8260
Trichloroethene		0.015	mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L	0.005	SW846-8260
Vinyl acetate	U	0.005	mg/L	0.005	SW846-8260
Vinyl chloride	U	0.002	mg/L	0.002	SW846-8260

**MW264**

**SG98-04**

**C-746S&T Groundwater Monitoring 4th Quarter FY98**

**5426-98**

Collected: 7/7/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		48.1	mg/L		2	SW846-9056
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Total Organic Carbon (TOC)	U	1	mg/L		1	SW846-9060
Total Organic Halides (TOX)		0.01	mg/L			SW846-9020
<b>Field P</b>						
Conductivity		538	umho/cm			
Depth to Water		37.48	ft			
Dissolved Oxygen		1	mg/L			
pH		6.2	Std Unit			
Temperature		69.2	deg F			
<b>METAL</b>						
Barium		0.16	mg/L			SW846-6010
Beryllium	U	0.02	mg/L			SW846-6010
Cadmium	UW	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.05	mg/L			SW846-6010
Cobalt	U	0.05	mg/L			SW846-6010
Copper	U	0.1	mg/L			SW846-6010
Iron	N	2.96	mg/L			SW846-6010
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel	U	0.1	mg/L			SW846-6010
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Silver	U	0.05	mg/L			SW846-6010
Sodium	N	47.5	mg/L			SW846-6010
Thallium	U	0.4	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Vanadium	U	0.1	mg/L			SW846-6010
Zinc	U	0.1	mg/L			SW846-6010
<b>METAL-D</b>						
Barium		0.15	mg/L			SW846-6010
<b>PHYSIC</b>						
Chemical Oxygen Demand (COD)	U	25	mg/L		25	EPA-410.4 1978
Dissolved Solids		287	mg/L		25	EPA-160.2
Turbidity		28	NTU		0.5	EPA-180.1 1978
<b>RADS</b>						
Beta activity	A	6	pCi/L			EPA-900.0
Technetium-99	A	10.8	pCi/L	12.3		RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260



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1,2-Dichloropropane	U	0.005 mg/L	0.005	SW846-8260
2-Butanone	U	0.01 mg/L	0.01	SW846-8260
2-Chloroethyl vinyl ether	U	0.01 mg/L	0.01	SW846-8260
2-Hexanone	U	0.01 mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01 mg/L	0.01	SW846-8260
Acetone	U	0.01 mg/L	0.01	SW846-8260
Acrolein	U	0.01 mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01 mg/L	0.01	SW846-8260
Benzene	U	0.005 mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromoform	U	0.005 mg/L	0.005	SW846-8260
Bromomethane	U	0.005 mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005 mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005 mg/L	0.005	SW846-8260
Chloroethane	U	0.005 mg/L	0.005	SW846-8260
Chloromethane	U	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Dibromomethane	U	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005 mg/L	0.005	SW846-8260
Ethyl methacrylate	U	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	U	0.005 mg/L	0.005	SW846-8260
Methylene chloride	U	0.01 mg/L	0.01	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.005 mg/L	0.005	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene		0.002 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.005 mg/L	0.005	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260

MW265

SG98-04

C-746S&T Groundwater Monitoring 4th Quarter FY98

5427-98

Collected: 7/7/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		29.1	mg/L		2	SW846-9056
Nitrate as Nitrogen		1	mg/L		1	SW846-9056
Total Organic Carbon (TOC)	U	1	mg/L		1	SW846-9060
Total Organic Halides (TOX)	U	0.01	mg/L			SW846-9020
<b>Field P</b>						
Conductivity		350	umho/cm			
Depth to Water		40.74	ft			
Dissolved Oxygen		1.41	mg/L			
pH		6.1	Std Unit			
Temperature		65	deg F			
<b>METAL</b>						
Barium		0.19	mg/L			SW846-6010
Beryllium	U	0.02	mg/L			SW846-6010
Cadmium	UW	0.005	mg/L		0.005	SW846-7131
Chromium		0.36	mg/L			SW846-6010
Cobalt	U	0.05	mg/L			SW846-6010
Copper	U	0.1	mg/L			SW846-6010
Iron	N	2.44	mg/L			SW846-6010
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel	U	0.1	mg/L			SW846-6010
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Silver	U	0.05	mg/L			SW846-6010
Sodium	N	41.1	mg/L			SW846-6010
Thallium	U	0.4	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Vanadium	U	0.1	mg/L			SW846-6010
Zinc	U	0.1	mg/L			SW846-6010
<b>METAL-D</b>						
Barium		0.18	mg/L			SW846-6010
Chromium	U	0.05	mg/L			SW846-6010
<b>PHYSC</b>						
Chemical Oxygen Demand (COD)	U	25	mg/L		25	EPA-410.4 1978
Dissolved Solids		175	mg/L		25	EPA-160.2
Turbidity		14	NTU		0.5	EPA-180.1 1978
<b>RADS</b>						
Beta activity	A	5	pCi/L			EPA-900.0
Technetium-99	A	5	pCi/L	11.9		RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260

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## SG98-04

## C-746S&amp;T Groundwater Monitoring 4th Quarter FY98

1,2-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	0.005	SW846-8260
2-Butanone	U	0.01	mg/L	0.01	SW846-8260
2-Chloroethyl vinyl ether	U	0.01	mg/L	0.01	SW846-8260
2-Hexanone	U	0.01	mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L	0.01	SW846-8260
Acetone	U	0.01	mg/L	0.01	SW846-8260
Acrolein	U	0.01	mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L	0.01	SW846-8260
Benzene	U	0.005	mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromoform	U	0.005	mg/L	0.005	SW846-8260
Bromomethane	U	0.005	mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L	0.005	SW846-8260
Chloroethane	U	0.005	mg/L	0.005	SW846-8260
Chloromethane	U	0.005	mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Dibromomethane	U	0.005	mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	0.005	SW846-8260
Ethyl methacrylate	U	0.005	mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L	0.005	SW846-8260
Iodomethane	U	0.005	mg/L	0.005	SW846-8260
Methylene chloride	U	0.01	mg/L	0.01	SW846-8260
Styrene	U	0.005	mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L	0.005	SW846-8260
Toluene	U	0.005	mg/L	0.005	SW846-8260
Total Xylene	U	0.005	mg/L	0.005	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L	0.005	SW846-8260
Trichloroethene		0.002	mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L	0.005	SW846-8260
Vinyl acetate	U	0.005	mg/L	0.005	SW846-8260
Vinyl chloride	U	0.002	mg/L	0.002	SW846-8260

MW266

SG98-04

C-746S&T Groundwater Monitoring 4th Quarter FY98

5428-98

Collected: 7/7/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		51.5	mg/L		2	SW846-9056
Nitrate as Nitrogen		1.4	mg/L		1	SW846-9056
Total Organic Carbon (TOC)	U	1	mg/L		1	SW846-9060
Total Organic Halides (TOX)		0.01	mg/L			SW846-9020
<b>Field P</b>						
Conductivity		574	umho/cm			
Depth to Water		37.1	ft			
Dissolved Oxygen		0.65	mg/L			
pH		5.99	Std Unit			
Temperature		68	deg F			
<b>METAL</b>						
Barium		0.07	mg/L			SW846-6010
Beryllium	U	0.02	mg/L			SW846-6010
Cadmium	UW	0.005	mg/L		0.005	SW846-7131
Chromium		1.3	mg/L			SW846-6010
Cobalt	U	0.05	mg/L			SW846-6010
Copper	U	0.1	mg/L			SW846-6010
Iron	N	10.3	mg/L			SW846-6010
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel		0.16	mg/L			SW846-6010
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Silver	U	0.05	mg/L			SW846-6010
Sodium	N	43.5	mg/L			SW846-6010
Thallium	U	0.4	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Vanadium	U	0.1	mg/L			SW846-6010
Zinc	U	0.1	mg/L			SW846-6010
<b>METAL-D</b>						
Barium		0.06	mg/L			SW846-6010
Chromium	U	0.05	mg/L			SW846-6010
<b>PHYSC</b>						
Chemical Oxygen Demand (COD)	U	25	mg/L		25	EPA-410.4 1978
Dissolved Solids		328	mg/L		25	EPA-160.2
Turbidity		83	NTU		0.5	EPA-180.1 1978
<b>RADS</b>						
Beta activity		13	pCi/L	2		EPA-900.0
Technetium-99	A	9.1	pCi/L	11.8		RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260

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## SG98-04

## C-746S&amp;T Groundwater Monitoring 4th Quarter FY98

1,2-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	0.005	SW846-8260
2-Butanone	U	0.01	mg/L	0.01	SW846-8260
2-Chloroethyl vinyl ether	U	0.01	mg/L	0.01	SW846-8260
2-Hexanone	U	0.01	mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L	0.01	SW846-8260
Acetone	U	0.01	mg/L	0.01	SW846-8260
Acrolein	U	0.01	mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L	0.01	SW846-8260
Benzene	U	0.005	mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromoform	U	0.005	mg/L	0.005	SW846-8260
Bromomethane	U	0.005	mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L	0.005	SW846-8260
Chloroethane	U	0.005	mg/L	0.005	SW846-8260
Chloromethane	U	0.005	mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Dibromomethane	U	0.005	mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	0.005	SW846-8260
Ethyl methacrylate	U	0.005	mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L	0.005	SW846-8260
Iodomethane	U	0.005	mg/L	0.005	SW846-8260
Methylene chloride	U	0.01	mg/L	0.01	SW846-8260
Styrene	U	0.005	mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L	0.005	SW846-8260
Toluene	U	0.005	mg/L	0.005	SW846-8260
Total Xylene	U	0.005	mg/L	0.005	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L	0.005	SW846-8260
Trichloroethene		0.005	mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L	0.005	SW846-8260
Vinyl acetate	U	0.005	mg/L	0.005	SW846-8260
Vinyl chloride	U	0.002	mg/L	0.002	SW846-8260

MW267

SG98-04

C-746S&T Groundwater Monitoring 4th Quarter FY98

5429-98

Collected: 7/8/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		68.2	mg/L		2	SW846-9056
Nitrate as Nitrogen		2.9	mg/L		1	SW846-9056
Total Organic Carbon (TOC)	U	1	mg/L		1	SW846-9060
Total Organic Halides (TOX)	U	0.01	mg/L			SW846-9020
<b>Field P</b>						
Conductivity		542	umho/cm			
Depth to Water		52.61	ft			
Dissolved Oxygen		1.69	mg/L			
pH		5.87	Std Unit			
Temperature		67	deg F			
<b>METAL</b>						
Barium		0.22	mg/L			SW846-6010
Beryllium	U	0.02	mg/L			SW846-6010
Cadmium	UW	0.005	mg/L		0.005	SW846-7131
Chromium		0.61	mg/L			SW846-6010
Cobalt	U	0.05	mg/L			SW846-6010
Copper	U	0.1	mg/L			SW846-6010
Iron	N	3.53	mg/L			SW846-6010
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel	U	0.1	mg/L			SW846-6010
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Silver	U	0.05	mg/L			SW846-6010
Sodium	N	51.3	mg/L			SW846-6010
Thallium	U	0.4	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Vanadium	U	0.1	mg/L			SW846-6010
Zinc	U	0.1	mg/L			SW846-6010
<b>METAL-D</b>						
Barium		0.2	mg/L			SW846-6010
Chromium	U	0.05	mg/L			SW846-6010
<b>PHYSC</b>						
Chemical Oxygen Demand (COD)	U	25	mg/L		25	EPA-410.4 1978
Dissolved Solids		254	mg/L		25	EPA-160.2
Turbidity		12	NTU		0.5	EPA-180.1 1978
<b>RADS</b>						
Technetium-99	A	14.4	pCi/L	13.4		RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260

## MW267

## SG98-04

## C-746S&amp;T Groundwater Monitoring 4th Quarter FY98

1,2-Dichloropropane	U	0.005	mg/L	0.005	SW846-8260
2-Butanone	U	0.01	mg/L	0.01	SW846-8260
2-Chloroethyl vinyl ether	U	0.01	mg/L	0.01	SW846-8260
2-Hexanone	U	0.01	mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L	0.01	SW846-8260
Acetone	U	0.01	mg/L	0.01	SW846-8260
Acrolein	U	0.01	mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L	0.01	SW846-8260
Benzene	U	0.005	mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromoform	U	0.005	mg/L	0.005	SW846-8260
Bromomethane	U	0.005	mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L	0.005	SW846-8260
Chloroethane	U	0.005	mg/L	0.005	SW846-8260
Chloromethane	U	0.005	mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Dibromomethane	U	0.005	mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	0.005	SW846-8260
Ethyl methacrylate	U	0.005	mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L	0.005	SW846-8260
Iodomethane	U	0.005	mg/L	0.005	SW846-8260
Methylene chloride	U	0.01	mg/L	0.01	SW846-8260
Styrene	U	0.005	mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L	0.005	SW846-8260
Toluene	U	0.005	mg/L	0.005	SW846-8260
Total Xylene	U	0.005	mg/L	0.005	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L	0.005	SW846-8260
Trichloroethene	U	0.001	mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L	0.005	SW846-8260
Vinyl acetate	U	0.005	mg/L	0.005	SW846-8260
Vinyl chloride	U	0.002	mg/L	0.002	SW846-8260

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MW179

SG99-01

C-746S&T Groundwater Monitoring 1st Quarter FY99

5600-98

Collected: 10/6/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		38.5	mg/L		2	SW846-9056
Nitrate as Nitrogen		3.4	mg/L		1	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		30.71	Inches/Hg			
Conductivity		843	umho/cm			
Dissolved Oxygen		3.83	mg/L			
pH		5.95	Std Unit			
Temperature		63.5	deg F			
<b>METAL</b>						
Barium	U	0.05	mg/L			SW846-6010
Beryllium	U	0.02	mg/L			SW846-6010
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.05	mg/L			SW846-6010
Cobalt	U	0.05	mg/L			SW846-6010
Copper	U	0.1	mg/L			SW846-6010
Iron		0.67	mg/L			SW846-6010
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel	U	0.1	mg/L			SW846-6010
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Silver	U	0.05	mg/L			SW846-6010
Sodium	N	76.4	mg/L			SW846-6010
Thallium	U	0.4	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Vanadium	U	0.1	mg/L			SW846-6010
Zinc		0.1	mg/L			SW846-6010
<b>PHYSC</b>						
Dissolved Solids		542	mg/L		25	EPA-160.2
<b>RADS</b>						
Technetium-99		332.6	pCi/L	20.9		RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	U	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260



**MW179****SG99-01****C-746S&T Groundwater Monitoring 1st Quarter FY99**

Bromodichloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromoform	U	0.005 mg/L	0.005	SW846-8260
Bromomethane	U	0.005 mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005 mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005 mg/L	0.005	SW846-8260
Chloroethane	U	0.005 mg/L	0.005	SW846-8260
Chloromethane	U	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Dibromomethane	U	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005 mg/L	0.005	SW846-8260
Ethyl methacrylate	U	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	U	0.005 mg/L	0.005	SW846-8260
Methylene chloride	U	0.01 mg/L	0.01	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.005 mg/L	0.005	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene		0.004 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.005 mg/L	0.005	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	UY	0.05 mg/L	0.05	SW846-9020
Turbidity		6.9 NTU	0.5	EPA-180.1 1978

MW181

SG99-01

C-746S&T Groundwater Monitoring 1st Quarter FY99

5601-98

Collected: 10/6/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		45.9	mg/L		2	SW846-9056
Nitrate as Nitrogen		1.7	mg/L		1	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		30.68	Inches/Hg			
Conductivity		439	umho/cm			
Depth to Water		45.08	ft			
Dissolved Oxygen		5.58	mg/L			
pH		5.91	Std Unit			
Temperature		65.5	deg F			
<b>METAL</b>						
Barium		0.19	mg/L			SW846-6010
Beryllium	U	0.02	mg/L			SW846-6010
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium		0.36	mg/L			SW846-6010
Cobalt	U	0.05	mg/L			SW846-6010
Copper	U	0.1	mg/L			SW846-6010
Iron		6.48	mg/L			SW846-6010
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel		0.17	mg/L			SW846-6010
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Silver	U	0.05	mg/L			SW846-6010
Sodium	N	51.1	mg/L			SW846-6010
Thallium	U	0.4	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Vanadium	U	0.1	mg/L			SW846-6010
Zinc	U	0.1	mg/L			SW846-6010
<b>METAL-D</b>						
Barium		0.14	mg/L			SW846-6010
Chromium	U	0.05	mg/L			SW846-6010
<b>PHYSC</b>						
Dissolved Solids		258	mg/L		25	EPA-160.2
<b>RADS</b>						
Technetium-99		93.5	pCi/L	15.3		RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260

## MW181

## SG99-01

## C-746S&amp;T Groundwater Monitoring 1st Quarter FY99

Acetone	U	0.01 mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01 mg/L	0.01	SW846-8260
Benzene	U	0.005 mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromoform	U	0.005 mg/L	0.005	SW846-8260
Bromomethane	U	0.005 mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005 mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005 mg/L	0.005	SW846-8260
Chloroethane	U	0.005 mg/L	0.005	SW846-8260
Chloromethane	U	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Dibromomethane	U	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005 mg/L	0.005	SW846-8260
Ethyl methacrylate	U	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	U	0.005 mg/L	0.005	SW846-8260
Methylene chloride	U	0.01 mg/L	0.01	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.005 mg/L	0.005	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.005 mg/L	0.005	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	50 mg/L	50	SW846-9020
Turbidity		60 NTU	0.5	EPA-180.1 1978

MW220

SG99-01

C-746S&T Groundwater Monitoring 1st Quarter FY99

5602-98

Collected: 10/6/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		40.1	mg/L		2	SW846-9056
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		30.65	Inches/Hg			
Conductivity		366	umho/cm			
Depth to Water		56.05	ft			
Dissolved Oxygen		5.7	mg/L			
pH		6	Std Unit			
Temperature		66	deg F			
<b>METAL</b>						
Barium		0.2	mg/L			SW846-6010
Beryllium	U	0.02	mg/L			SW846-6010
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.05	mg/L			SW846-6010
Cobalt	U	0.05	mg/L			SW846-6010
Copper	U	0.1	mg/L			SW846-6010
Iron		0.21	mg/L			SW846-6010
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel		0.94	mg/L			SW846-6010
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Silver	U	0.05	mg/L			SW846-6010
Sodium	N	39.4	mg/L			SW846-6010
Thallium	U	0.4	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Vanadium	U	0.1	mg/L			SW846-6010
Zinc	U	0.1	mg/L			SW846-6010
<b>METAL-D</b>						
Barium		0.19	mg/L			SW846-6010
<b>PHYSC</b>						
Dissolved Solids		192	mg/L		25	EPA-160.2
<b>RADS</b>						
Technetium-99	A	11.9	pCi/L	12.6		RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	U	0.01	mg/L		0.01	SW846-8260

**MW220****SG99-01****C-746S&T Groundwater Monitoring 1st Quarter FY99**

Acrylonitrile	U	0.01 mg/L	0.01	SW846-8260
Benzene	U	0.005 mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromoform	U	0.005 mg/L	0.005	SW846-8260
Bromomethane	U	0.005 mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005 mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005 mg/L	0.005	SW846-8260
Chloroethane	U	0.005 mg/L	0.005	SW846-8260
Chloromethane	U	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Dibromomethane	U	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005 mg/L	0.005	SW846-8260
Ethyl methacrylate	U	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	U	0.005 mg/L	0.005	SW846-8260
Methylene chloride	U	0.01 mg/L	0.01	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.005 mg/L	0.005	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.005 mg/L	0.005	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	UY	0.05 mg/L	0.05	SW846-9020
Turbidity		2.6 NTU	0.5	EPA-180.1 1978

MW221

SG99-01

C-746S&T Groundwater Monitoring 1st Quarter FY99

5603-98

Collected: 10/6/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		47.1	mg/L		2	SW846-9056
Nitrate as Nitrogen		1.6	mg/L		1	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		30.65	Inches/Hg			
Conductivity		427	umho/cm			
Depth to Water		64.91	ft			
Dissolved Oxygen		5.77	mg/L			
pH		6	Std Unit			
Temperature		65	deg F			
<b>METAL</b>						
Barium		0.24	mg/L			SW846-6010
Beryllium	U	0.02	mg/L			SW846-6010
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium		0.06	mg/L			SW846-6010
Cobalt	U	0.05	mg/L			SW846-6010
Copper	U	0.1	mg/L			SW846-6010
Iron		0.79	mg/L			SW846-6010
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel		0.18	mg/L			SW846-6010
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Silver	U	0.05	mg/L			SW846-6010
Sodium	N	46.9	mg/L			SW846-6010
Thallium	U	0.4	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Vanadium	U	0.1	mg/L			SW846-6010
Zinc	U	0.1	mg/L			SW846-6010
<b>METAL-D</b>						
Barium		0.23	mg/L			SW846-6010
Chromium	U	0.05	mg/L			SW846-6010
<b>PHYSC</b>						
Dissolved Solids		234	mg/L		25	EPA-160.2
<b>RADS</b>						
Technetium-99	A	3	pCi/L	13.4		RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260

## MW221

## SG99-01

## C-746S&amp;T Groundwater Monitoring 1st Quarter FY99

Acetone	U	0.01 mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01 mg/L	0.01	SW846-8260
Benzene	U	0.005 mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromoform	U	0.005 mg/L	0.005	SW846-8260
Bromomethane	U	0.005 mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005 mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005 mg/L	0.005	SW846-8260
Chloroethane	U	0.005 mg/L	0.005	SW846-8260
Chloromethane	U	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Dibromomethane	U	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005 mg/L	0.005	SW846-8260
Ethyl methacrylate	U	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	U	0.005 mg/L	0.005	SW846-8260
Methylene chloride	U	0.01 mg/L	0.01	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.005 mg/L	0.005	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene		0.004 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.005 mg/L	0.005	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	50 mg/L	50	SW846-9020
Turbidity		5.2 NTU	0.5	EPA-180.1 1978

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MW222

SG99-01

C-746S&T Groundwater Monitoring 1st Quarter FY99

5604-98

Collected: 10/7/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		39.6	mg/L		2	SW846-9056
Nitrate as Nitrogen		1.2	mg/L		1	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		30.77	Inches/Hg			
Conductivity		409	umho/cm			
Depth to Water		69	ft			
Dissolved Oxygen		7.15	mg/L			
pH		6.2	Std Unit			
Temperature		62.8	deg F			
<b>METAL</b>						
Barium		0.3	mg/L			SW846-6010
Beryllium	U	0.02	mg/L			SW846-6010
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium		0.06	mg/L			SW846-6010
Cobalt	U	0.05	mg/L			SW846-6010
Copper	U	0.1	mg/L			SW846-6010
Iron		3.41	mg/L			SW846-6010
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel		0.19	mg/L			SW846-6010
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Silver	U	0.05	mg/L			SW846-6010
Sodium	N	58.1	mg/L			SW846-6010
Thallium	U	0.4	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Vanadium	U	0.1	mg/L			SW846-6010
Zinc	U	0.1	mg/L			SW846-6010
<b>METAL-D</b>						
Barium		0.28	mg/L			SW846-6010
Chromium	U	0.05	mg/L			SW846-6010
<b>PHYSC</b>						
Dissolved Solids		240	mg/L		25	EPA-160.2
<b>RADS</b>						
Technetium-99	A	10.6	pCi/L	12.8		RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260



**MW222****SG99-01****C-746S&T Groundwater Monitoring 1st Quarter FY99**

Acetone	U	0.01 mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01 mg/L	0.01	SW846-8260
Benzene	U	0.005 mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromoform	U	0.005 mg/L	0.005	SW846-8260
Bromomethane	U	0.005 mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005 mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005 mg/L	0.005	SW846-8260
Chloroethane	U	0.005 mg/L	0.005	SW846-8260
Chloromethane	U	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Dibromomethane	U	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005 mg/L	0.005	SW846-8260
Ethyl methacrylate	U	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	U	0.005 mg/L	0.005	SW846-8260
Methylene chloride	U	0.01 mg/L	0.01	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.005 mg/L	0.005	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.005 mg/L	0.005	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	UY	0.05 mg/L	0.05	SW846-9020
Turbidity		45 NTU	0.5	EPA-180.1 1978

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MW223

SG99-01

C-746S&T Groundwater Monitoring 1st Quarter FY99

5605-98

Collected: 10/7/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		44.4	mg/L		2	SW846-9056
Nitrate as Nitrogen		2	mg/L		1	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		30.77	Inches/Hg			
Conductivity		413	umho/cm			
Depth to Water		68.25	ft			
Dissolved Oxygen		6	mg/L			
pH		6.19	Std Unit			
Temperature		62.1	deg F			
<b>METAL</b>						
Barium		0.18	mg/L			SW846-6010
Beryllium	U	0.02	mg/L			SW846-6010
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.05	mg/L			SW846-6010
Cobalt	U	0.05	mg/L			SW846-6010
Copper	U	0.1	mg/L			SW846-6010
Iron		0.66	mg/L			SW846-6010
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel		0.77	mg/L			SW846-6010
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Silver	U	0.05	mg/L			SW846-6010
Sodium	N	49.2	mg/L			SW846-6010
Thallium	U	0.4	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Vanadium	U	0.1	mg/L			SW846-6010
Zinc	U	0.1	mg/L			SW846-6010
<b>METAL-D</b>						
Barium		0.17	mg/L			SW846-6010
<b>PHYSC</b>						
Dissolved Solids	*	217	mg/L		25	EPA-160.2
<b>RADS</b>						
Alpha activity		31.29	pCi/L	6		EPA-900.0
Technetium-99	A	14	pCi/L	12.9		RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260

**MW223****SG99-01****C-746S&T Groundwater Monitoring 1st Quarter FY99**

Acetone	U	0.01 mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01 mg/L	0.01	SW846-8260
Benzene	U	0.005 mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromoform	U	0.005 mg/L	0.005	SW846-8260
Bromomethane	U	0.005 mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005 mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005 mg/L	0.005	SW846-8260
Chloroethane	U	0.005 mg/L	0.005	SW846-8260
Chloromethane	U	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Dibromomethane	U	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005 mg/L	0.005	SW846-8260
Ethyl methacrylate	U	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	U	0.005 mg/L	0.005	SW846-8260
Methylene chloride	U	0.01 mg/L	0.01	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.005 mg/L	0.005	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.005 mg/L	0.005	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	UY	0.05 mg/L	0.05	SW846-9020
Turbidity		7.1 NTU	0.5	EPA-180.1 1978

MW224

SG99-01

## C-746S&amp;T Groundwater Monitoring 1st Quarter FY99

5606-98

Collected: 10/7/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		41.2	mg/L		2	SW846-9056
Nitrate as Nitrogen		1.4	mg/L		1	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		30.77	Inches/Hg			
Conductivity		454	umho/cm			
Depth to Water		69.48	ft			
Dissolved Oxygen		3.67	mg/L			
pH		5.94	Std Unit			
Temperature		62.1	deg F			
<b>METAL</b>						
Barium		0.23	mg/L			SW846-6010
Beryllium	U	0.02	mg/L			SW846-6010
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.05	mg/L			SW846-6010
Cobalt	U	0.05	mg/L			SW846-6010
Copper	U	0.1	mg/L			SW846-6010
Iron	U	0.2	mg/L			SW846-6010
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel	U	0.1	mg/L			SW846-6010
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Silver	U	0.05	mg/L			SW846-6010
Sodium	N	60	mg/L			SW846-6010
Thallium	U	0.4	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Vanadium	U	0.1	mg/L			SW846-6010
Zinc	U	0.1	mg/L			SW846-6010
<b>METAL-D</b>						
Barium		0.23	mg/L			SW846-6010
<b>PHYSC</b>						
Dissolved Solids	*	224	mg/L		25	EPA-160.2
<b>RADS</b>						
Alpha activity	A	-0.7	pCi/L	0.44		EPA-900.0
Technetium-99	A	2.8	pCi/L	12.6		RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260

**MW224****SG99-01****C-746S&T Groundwater Monitoring 1st Quarter FY99**

Acetone	U	0.01 mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01 mg/L	0.01	SW846-8260
Benzene	U	0.005 mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromoform	U	0.005 mg/L	0.005	SW846-8260
Bromomethane	U	0.005 mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005 mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005 mg/L	0.005	SW846-8260
Chloroethane	U	0.005 mg/L	0.005	SW846-8260
Chloromethane	U	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Dibromomethane	U	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005 mg/L	0.005	SW846-8260
Ethyl methacrylate	U	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	U	0.005 mg/L	0.005	SW846-8260
Methylene chloride	U	0.01 mg/L	0.01	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.005 mg/L	0.005	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene		0.002 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.005 mg/L	0.005	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	UY	0.05 mg/L	0.05	SW846-9020
Turbidity	U	0.5 NTU	0.5	EPA-180.1 1978

MW263

SG99-01

C-746S&T Groundwater Monitoring 1st Quarter FY99

5607-98

Collected: 10/7/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		43.9	mg/L		2	SW846-9056
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		30.68	Inches/Hg			
Conductivity		549	umho/cm			
Depth to Water		33.93	ft			
Dissolved Oxygen		1.78	mg/L			
pH		6.1	Std Unit			
Temperature		61.4	deg F			
<b>METAL</b>						
Barium		0.06	mg/L			SW846-6010
Beryllium	U	0.02	mg/L			SW846-6010
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium		0.15	mg/L			SW846-6010
Cobalt	U	0.05	mg/L			SW846-6010
Copper	U	0.1	mg/L			SW846-6010
Iron		0.51	mg/L			SW846-6010
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel	U	0.1	mg/L			SW846-6010
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Silver	U	0.05	mg/L			SW846-6010
Sodium	N	49.9	mg/L			SW846-6010
Thallium	U	0.4	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Vanadium	U	0.1	mg/L			SW846-6010
Zinc	U	0.1	mg/L			SW846-6010
<b>METAL-D</b>						
Barium		0.05	mg/L			SW846-6010
Chromium	U	0.05	mg/L			SW846-6010
<b>PHYSC</b>						
Dissolved Solids		316	mg/L		25	EPA-160.2
<b>RADS</b>						
Alpha activity	A	-0.25	pCi/L	0.13		EPA-900.0
Technetium-99		28.3	pCi/L	13.4		RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260

**MW263****SG99-01****C-746S&T Groundwater Monitoring 1st Quarter FY99**

4-Methyl-2-pentanone	U	0.01 mg/L	0.01	SW846-8260
Acetone	U	0.01 mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01 mg/L	0.01	SW846-8260
Benzene	U	0.005 mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromoform	U	0.005 mg/L	0.005	SW846-8260
Bromomethane	U	0.005 mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005 mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005 mg/L	0.005	SW846-8260
Chloroethane	U	0.005 mg/L	0.005	SW846-8260
Chloromethane	U	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Dibromomethane	U	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005 mg/L	0.005	SW846-8260
Ethyl methacrylate	U	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	U	0.005 mg/L	0.005	SW846-8260
Methylene chloride	U	0.01 mg/L	0.01	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.005 mg/L	0.005	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene		0.013 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.005 mg/L	0.005	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	UY	0.05 mg/L	0.05	SW846-9020
Turbidity		0.85 NTU	0.5	EPA-180.1 1978

MW264

SG99-01

C-746S&T Groundwater Monitoring 1st Quarter FY99

5608-98

Collected: 10/7/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		54.4	mg/L		2	SW846-9056
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		30.68	Inches/Hg			
Conductivity		581	umho/cm			
Depth to Water		39.47	ft			
Dissolved Oxygen		0.98	mg/L			
pH		6.2	Std Unit			
Temperature		60	deg F			
<b>METAL</b>						
Barium		0.17	mg/L			SW846-6010
Beryllium	U	0.02	mg/L			SW846-6010
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.05	mg/L			SW846-6010
Cobalt	U	0.05	mg/L			SW846-6010
Copper	U	0.1	mg/L			SW846-6010
Iron		0.4	mg/L			SW846-6010
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel	U	0.1	mg/L			SW846-6010
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Silver	U	0.05	mg/L			SW846-6010
Sodium	N	52.2	mg/L			SW846-6010
Thallium	U	0.4	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Vanadium	U	0.1	mg/L			SW846-6010
Zinc	U	0.1	mg/L			SW846-6010
<b>METAL-D</b>						
Barium		0.17	mg/L			SW846-6010
<b>PHYSC</b>						
Dissolved Solids		289	mg/L		25	EPA-160.2
<b>RADS</b>						
Alpha activity	A	1.81	pCi/L	0.83		EPA-900.0
Technetium-99	A	10.2	pCi/L	12.6		RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260



**MW264****SG99-01****C-746S&T Groundwater Monitoring 1st Quarter FY99**

Acetone	U	0.01 mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01 mg/L	0.01	SW846-8260
Benzene	U	0.005 mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromoform	U	0.005 mg/L	0.005	SW846-8260
Bromomethane	U	0.005 mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005 mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005 mg/L	0.005	SW846-8260
Chloroethane	U	0.005 mg/L	0.005	SW846-8260
Chloromethane	U	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Dibromomethane	U	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005 mg/L	0.005	SW846-8260
Ethyl methacrylate	U	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	U	0.005 mg/L	0.005	SW846-8260
Methylene chloride	U	0.01 mg/L	0.01	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.005 mg/L	0.005	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene		0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.005 mg/L	0.005	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.05 mg/L	0.05	SW846-9020
Turbidity		5.4 NTU	0.5	EPA-180.1 1978

Paducah-OREIS Data Report

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12/18/2007

MW265

SG99-01

C-746S&T Groundwater Monitoring 1st Quarter FY99

5609-98

Collected: 10/7/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		35.9	mg/L		2	SW846-9056
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		30.68	Inches/Hg			
Conductivity		374	umho/cm			
Depth to Water		42.68	ft			
Dissolved Oxygen		1.6	mg/L			
pH		6.1	Std Unit			
Temperature		59.3	deg F			
<b>METAL</b>						
Barium		0.22	mg/L			SW846-6010
Beryllium	U	0.02	mg/L			SW846-6010
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium		1.98	mg/L			SW846-6010
Cobalt	U	0.05	mg/L			SW846-6010
Copper	U	0.1	mg/L			SW846-6010
Iron		11.9	mg/L			SW846-6010
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel		0.21	mg/L			SW846-6010
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Silver	U	0.05	mg/L			SW846-6010
Sodium	N	44.5	mg/L			SW846-6010
Thallium	U	0.4	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Vanadium	U	0.1	mg/L			SW846-6010
Zinc	U	0.1	mg/L			SW846-6010
<b>METAL-D</b>						
Barium		0.19	mg/L			SW846-6010
Chromium	U	0.05	mg/L			SW846-6010
<b>PHYSC</b>						
Dissolved Solids		184	mg/L		25	EPA-160.2
<b>RADS</b>						
Alpha activity	A	-2.23	pCi/L	1.99		EPA-900.0
Technetium-99	A	6	pCi/L	12.7		RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260

**MW265****SG99-01****C-746S&T Groundwater Monitoring 1st Quarter FY99**

4-Methyl-2-pentanone	U	0.01 mg/L	0.01	SW846-8260
Acetone	U	0.01 mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01 mg/L	0.01	SW846-8260
Benzene	U	0.005 mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromoform	U	0.005 mg/L	0.005	SW846-8260
Bromomethane	U	0.005 mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005 mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005 mg/L	0.005	SW846-8260
Chloroethane	U	0.005 mg/L	0.005	SW846-8260
Chloromethane	U	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Dibromomethane	U	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005 mg/L	0.005	SW846-8260
Ethyl methacrylate	U	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	U	0.005 mg/L	0.005	SW846-8260
Methylene chloride	U	0.01 mg/L	0.01	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.005 mg/L	0.005	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene		0.003 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.005 mg/L	0.005	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	UY	0.05 mg/L	0.05	SW846-9020
Turbidity		50 NTU	0.5	EPA-180.1 1978

MW266

SG99-01

C-746S&T Groundwater Monitoring 1st Quarter FY99

5610-98

Collected: 10/7/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		45.5	mg/L		2	SW846-9056
Nitrate as Nitrogen		1.1	mg/L		1	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		30.68	Inches/Hg			
Conductivity		597	umho/cm			
Depth to Water		39.16	ft			
Dissolved Oxygen		1.28	mg/L			
pH		6	Std Unit			
Temperature		60.3	deg F			
<b>METAL</b>						
Barium		0.05	mg/L			SW846-6010
Beryllium	U	0.02	mg/L			SW846-6010
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium		0.57	mg/L			SW846-6010
Cobalt	U	0.05	mg/L			SW846-6010
Copper	U	0.1	mg/L			SW846-6010
Iron		4.69	mg/L			SW846-6010
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel	U	0.1	mg/L			SW846-6010
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Silver	U	0.05	mg/L			SW846-6010
Sodium	N	41.6	mg/L			SW846-6010
Thallium	U	0.4	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Vanadium	U	0.1	mg/L			SW846-6010
Zinc	U	0.1	mg/L			SW846-6010
<b>METAL-D</b>						
Barium	U	0.05	mg/L			SW846-6010
Chromium	U	0.05	mg/L			SW846-6010
<b>PHYSC</b>						
Dissolved Solids		340	mg/L		25	EPA-160.2
<b>RADS</b>						
Alpha activity	A	-1.45	pCi/L	1.03		EPA-900.0
Technetium-99	A	7	pCi/L	12.7		RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260

**MW266****SG99-01****C-746S&T Groundwater Monitoring 1st Quarter FY99**

4-Methyl-2-pentanone	U	0.01 mg/L	0.01	SW846-8260
Acetone	U	0.01 mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01 mg/L	0.01	SW846-8260
Benzene	U	0.005 mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromoform	U	0.005 mg/L	0.005	SW846-8260
Bromomethane	U	0.005 mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005 mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005 mg/L	0.005	SW846-8260
Chloroethane	U	0.005 mg/L	0.005	SW846-8260
Chloromethane	U	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Dibromomethane	U	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005 mg/L	0.005	SW846-8260
Ethyl methacrylate	U	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	U	0.005 mg/L	0.005	SW846-8260
Methylene chloride	U	0.01 mg/L	0.01	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.005 mg/L	0.005	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene		0.004 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.005 mg/L	0.005	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.05 mg/L	0.05	SW846-9020
Turbidity		24 NTU	0.5	EPA-180.1 1978

MW267

SG99-01

C-746S&T Groundwater Monitoring 1st Quarter FY99

5611-98

Collected: 10/6/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		54.3	mg/L		2	SW846-9056
Nitrate as Nitrogen		2.3	mg/L		1	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		30.65	Inches/Hg			
Conductivity		398	umho/cm			
Depth to Water		54.15	ft			
Dissolved Oxygen		3.59	mg/L			
pH		5.8	Std Unit			
Temperature		65.2	deg F			
<b>METAL</b>						
Barium		0.21	mg/L			SW846-6010
Beryllium	U	0.02	mg/L			SW846-6010
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium		0.07	mg/L			SW846-6010
Cobalt	U	0.05	mg/L			SW846-6010
Copper	U	0.1	mg/L			SW846-6010
Iron		0.38	mg/L			SW846-6010
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel	U	0.1	mg/L			SW846-6010
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Silver	U	0.05	mg/L			SW846-6010
Sodium	N	41.1	mg/L			SW846-6010
Thallium	U	0.4	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Vanadium	U	0.1	mg/L			SW846-6010
Zinc	U	0.1	mg/L			SW846-6010
<b>METAL-D</b>						
Barium		0.2	mg/L			SW846-6010
Chromium	U	0.05	mg/L			SW846-6010
<b>PHYSC</b>						
Dissolved Solids		214	mg/L		25	EPA-160.2
<b>RADS</b>						
Technetium-99	A	14.6	pCi/L	12.9		RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260

**MW267****SG99-01****C-746S&T Groundwater Monitoring 1st Quarter FY99**

Acetone	U	0.01 mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01 mg/L	0.01	SW846-8260
Benzene	U	0.005 mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromoform	U	0.005 mg/L	0.005	SW846-8260
Bromomethane	U	0.005 mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005 mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005 mg/L	0.005	SW846-8260
Chloroethane	U	0.005 mg/L	0.005	SW846-8260
Chloromethane	U	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Dibromomethane	U	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005 mg/L	0.005	SW846-8260
Ethyl methacrylate	U	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	U	0.005 mg/L	0.005	SW846-8260
Methylene chloride	U	0.01 mg/L	0.01	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.005 mg/L	0.005	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.005 mg/L	0.005	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	50 mg/L	50	SW846-9020
Turbidity		2.6 NTU	0.5	EPA-180.1 1978

MW267

SG99-01

C-746S&T Groundwater Monitoring 1st Quarter FY99

5612-98

Collected: 10/6/1998

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		53.6	mg/L		2	SW846-9056
Nitrate as Nitrogen		2.3	mg/L		1	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		30.65	Inches/Hg			
Conductivity		398	umho/cm			
Depth to Water		54.15	ft			
Dissolved Oxygen		3.59	mg/L			
pH		5.8	Std Unit			
Temperature		65.2	deg F			
<b>METAL</b>						
Barium		0.21	mg/L			SW846-6010
Beryllium	U	0.02	mg/L			SW846-6010
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.05	mg/L			SW846-6010
Cobalt	U	0.05	mg/L			SW846-6010
Copper	U	0.1	mg/L			SW846-6010
Iron	U	0.2	mg/L			SW846-6010
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel	U	0.1	mg/L			SW846-6010
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Silver	U	0.05	mg/L			SW846-6010
Sodium	N	41.3	mg/L			SW846-6010
Thallium	U	0.4	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Vanadium	U	0.1	mg/L			SW846-6010
Zinc	U	0.1	mg/L			SW846-6010
<b>METAL-D</b>						
Barium		0.2	mg/L			SW846-6010
<b>PHYSC</b>						
Dissolved Solids	*	188	mg/L		25	EPA-160.2
<b>RADS</b>						
Technetium-99		20.8	pCi/L	13.2		RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	U	0.01	mg/L		0.01	SW846-8260



**MW267****SG99-01****C-746S&T Groundwater Monitoring 1st Quarter FY99**

Acrylonitrile	U	0.01 mg/L	0.01	SW846-8260
Benzene	U	0.005 mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromoform	U	0.005 mg/L	0.005	SW846-8260
Bromomethane	U	0.005 mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005 mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005 mg/L	0.005	SW846-8260
Chloroethane	U	0.005 mg/L	0.005	SW846-8260
Chloromethane	U	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Dibromomethane	U	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005 mg/L	0.005	SW846-8260
Ethyl methacrylate	U	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	U	0.005 mg/L	0.005	SW846-8260
Methylene chloride	U	0.01 mg/L	0.01	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.005 mg/L	0.005	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.005 mg/L	0.005	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	50 mg/L	50	SW846-9020
Turbidity		1.4 NTU	0.5	EPA-180.1 1978

MW179

SG99-02

C-746 S&amp;T QUARTERLY SG99-02

5021-99

Collected: 1/6/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		37.3	mg/L		2	EPA-300
Nitrate as Nitrogen	U	1	mg/L		1	EPA-300
<b>Field P</b>						
Barometric Pressure Reading		30.03	Inches/Hg			
Conductivity		851	umho/cm			
Depth to Water		35.1	ft			
Dissolved Oxygen		2.49	mg/L			
pH		5.94	Std Unit			
Temperature		59.6	deg F			
<b>METAL</b>						
Barium	U	0.05	mg/L		0.05	SW846-6010A
Beryllium	U	0.02	mg/L		0.02	SW846-6010A
Cadmium	BU	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.05	mg/L		0.05	SW846-6010A
Cobalt	U	0.05	mg/L		0.05	SW846-6010A
Copper	U	0.1	mg/L		0.1	SW846-6010A
Iron		0.48	mg/L		0.2	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel	U	0.1	mg/L		0.1	SW846-6010A
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Silver	U	0.05	mg/L		0.05	SW846-6010A
Sodium		70.7	mg/L		5	SW846-6010A
Thallium	U	0.4	mg/L		0.4	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.1	mg/L		0.1	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		571	mg/L		25	EPA-160.2
<b>RADS</b>						
Alpha activity	A	0.63	pCi/L	0.2	6.69	EPA-900.0
Beta activity	X	249.88	pCi/L	14.34	7.63	EPA-900.0
Technetium-99		176	pCi/L	16.9	17.58	RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260

## MW179

## SG99-02

## C-746 S&amp;T QUARTERLY SG99-02

4-Methyl-2-pentanone	U	0.01 mg/L	0.01	SW846-8260
Acetone	U	0.01 mg/L	0.01	SW846-8260
Acrolein	JU	0.01 mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01 mg/L	0.01	SW846-8260
Benzene	U	0.005 mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromoform	U	0.005 mg/L	0.005	SW846-8260
Bromomethane	JU	0.005 mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005 mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005 mg/L	0.005	SW846-8260
Chloroethane	JU	0.005 mg/L	0.005	SW846-8260
Chloromethane	JU	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Dibromomethane	U	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	JU	0.005 mg/L	0.005	SW846-8260
Ethyl methacrylate	JU	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	U	0.005 mg/L	0.005	SW846-8260
Methylene chloride	JU	0.01 mg/L	0.01	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.01 mg/L	0.01	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene		0.004 mg/L	0.001	SW846-8260
Trichlorofluoromethane	JU	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.005 mg/L	0.005	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	UY	0.05 mg/L	0.05	SW846-9020B
Turbidity		4.9 NTU	0.5	EPA-180.1 1978

**MW181**  
**SG99-02**  
**5022-99**

**C-746 S&T QUARTERLY SG99-02**

Collected: 1/6/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		58.9	mg/L		2	EPA-300
Nitrate as Nitrogen		1.2	mg/L		1	EPA-300
<b>Field P</b>						
Barometric Pressure Reading		30	Inches/Hg			
Conductivity		496	umho/cm			
Depth to Water		47.07	ft			
Dissolved Oxygen		4.42	mg/L			
pH		5.76	Std Unit			
Temperature		59.3	deg F			
<b>METAL</b>						
Barium		0.19	mg/L		0.05	SW846-6010A
Beryllium	U	0.02	mg/L		0.02	SW846-6010A
Cadmium	BU	0.005	mg/L		0.005	SW846-7131
Chromium		0.47	mg/L		0.05	SW846-6010A
Cobalt	U	0.05	mg/L		0.05	SW846-6010A
Copper	U	0.1	mg/L		0.1	SW846-6010A
Iron		4.97	mg/L		0.2	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel		0.56	mg/L		0.1	SW846-6010A
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Silver	U	0.05	mg/L		0.05	SW846-6010A
Sodium		53.4	mg/L		5	SW846-6010A
Thallium	U	0.4	mg/L		0.4	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.1	mg/L		0.1	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A
<b>METAL-D</b>						
Barium		0.16	mg/L		0.05	SW846-6010A
Chromium	BU	0.05	mg/L		0.05	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		284	mg/L		25	EPA-160.2
<b>RADS</b>						
Alpha activity	A	0.94	pCi/L	0.32	5.07	EPA-900.0
Beta activity	X	154.55	pCi/L	10.08	6.17	EPA-900.0
Technetium-99		151.7	pCi/L	16.2	17.58	RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260

## MW181

## SG99-02

## C-746 S&amp;T QUARTERLY SG99-02

2-Butanone	U	0.01 mg/L	0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01 mg/L	0.01	SW846-8260
2-Hexanone	U	0.01 mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01 mg/L	0.01	SW846-8260
Acetone	U	0.01 mg/L	0.01	SW846-8260
Acrolein	JU	0.01 mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01 mg/L	0.01	SW846-8260
Benzene	U	0.005 mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromoform	U	0.005 mg/L	0.005	SW846-8260
Bromomethane	JU	0.005 mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005 mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005 mg/L	0.005	SW846-8260
Chloroethane	JU	0.005 mg/L	0.005	SW846-8260
Chloromethane	JU	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Dibromomethane	U	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	JU	0.005 mg/L	0.005	SW846-8260
Ethyl methacrylate	JU	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	U	0.005 mg/L	0.005	SW846-8260
Methylene chloride	JU	0.01 mg/L	0.01	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.01 mg/L	0.01	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	JU	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.005 mg/L	0.005	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	UY	0.05 mg/L	0.05	SW846-9020B
Turbidity		55 NTU	0.5	EPA-180.1 1978

**MW220**  
**SG99-02**  
**5023-99**

**C-746 S&T QUARTERLY SG99-02**

Collected: 1/6/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		40.7	mg/L		2	EPA-300
Nitrate as Nitrogen		1.6	mg/L		1	EPA-300
<b>Field P</b>						
Barometric Pressure Reading		30	Inches/Hg			
Conductivity		363	umho/cm			
Depth to Water		57.31	ft			
Dissolved Oxygen		8.79	mg/L			
pH		6.3	Std Unit			
Temperature		58.5	deg F			
<b>METAL</b>						
Barium		0.2	mg/L		0.05	SW846-6010A
Beryllium	U	0.02	mg/L		0.02	SW846-6010A
Cadmium	BU	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.05	mg/L		0.05	SW846-6010A
Cobalt	U	0.05	mg/L		0.05	SW846-6010A
Copper	U	0.1	mg/L		0.1	SW846-6010A
Iron		0.36	mg/L		0.2	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel		0.49	mg/L		0.1	SW846-6010A
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Silver	U	0.05	mg/L		0.05	SW846-6010A
Sodium		35.9	mg/L		5	SW846-6010A
Thallium	U	0.4	mg/L		0.4	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.1	mg/L		0.1	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A
<b>METAL-D</b>						
Barium		0.2	mg/L		0.05	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		181	mg/L		25	EPA-160.2
<b>RADS</b>						
Alpha activity	A	0.26	pCi/L	0.16	4.35	EPA-900.0
Beta activity	X	11.8	pCi/L	2.1	5.55	EPA-900.0
Technetium-99	A	13.8	pCi/L	12.1	17.58	RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260

**MW220****SG99-02****C-746 S&T QUARTERLY SG99-02**

2-Chloroethyl vinyl ether	JU	0.01 mg/L	0.01	SW846-8260
2-Hexanone	U	0.01 mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01 mg/L	0.01	SW846-8260
Acetone	U	0.01 mg/L	0.01	SW846-8260
Acrolein	JU	0.01 mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01 mg/L	0.01	SW846-8260
Benzene	U	0.005 mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromoform	U	0.005 mg/L	0.005	SW846-8260
Bromomethane	JU	0.005 mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005 mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005 mg/L	0.005	SW846-8260
Chloroethane	JU	0.005 mg/L	0.005	SW846-8260
Chloromethane	JU	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Dibromomethane	U	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	JU	0.005 mg/L	0.005	SW846-8260
Ethyl methacrylate	JU	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	U	0.005 mg/L	0.005	SW846-8260
Methylene chloride	JU	0.01 mg/L	0.01	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.01 mg/L	0.01	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	JU	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.005 mg/L	0.005	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	UY	0.05 mg/L	0.05	SW846-9020B
Turbidity		5.1 NTU	0.5	EPA-180.1 1978

**MW221**  
**SG99-02**  
**5024-99**

**C-746 S&T QUARTERLY SG99-02**

Collected: 1/5/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		46	mg/L		2	EPA-300
Nitrate as Nitrogen		1.6	mg/L		1	EPA-300
<b>Field P</b>						
Barometric Pressure Reading		30.3	Inches/Hg			
Conductivity		440	umho/cm			
Depth to Water		67.24	ft			
Dissolved Oxygen		5.77	mg/L			
pH		5.96	Std Unit			
Temperature		57.2	deg F			
<b>METAL</b>						
Barium		0.24	mg/L		0.05	SW846-6010A
Beryllium	U	0.02	mg/L		0.02	SW846-6010A
Cadmium	BU	0.005	mg/L		0.005	SW846-7131
Chromium		0.06	mg/L		0.05	SW846-6010A
Cobalt	U	0.05	mg/L		0.05	SW846-6010A
Copper	U	0.1	mg/L		0.1	SW846-6010A
Iron		0.5	mg/L		0.2	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel		0.1	mg/L		0.1	SW846-6010A
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Silver	U	0.05	mg/L		0.05	SW846-6010A
Sodium		41.6	mg/L		5	SW846-6010A
Thallium	U	0.4	mg/L		0.4	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.1	mg/L		0.1	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A
<b>METAL-D</b>						
Barium		0.24	mg/L		0.05	SW846-6010A
Chromium	BU	0.05	mg/L		0.05	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		233	mg/L		25	EPA-160.2
<b>RADS</b>						
Alpha activity	A	-0.37	pCi/L	0.22	5.13	EPA-900.0
Beta activity		13.31	pCi/L	2.19	4.68	EPA-900.0
Technetium-99		18.2	pCi/L	12.3	17.58	RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260



**MW221****SG99-02****C-746 S&T QUARTERLY SG99-02**

2-Butanone	U	0.01 mg/L	0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01 mg/L	0.01	SW846-8260
2-Hexanone	U	0.01 mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01 mg/L	0.01	SW846-8260
Acetone	U	0.01 mg/L	0.01	SW846-8260
Acrolein	JU	0.01 mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01 mg/L	0.01	SW846-8260
Benzene	U	0.005 mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromoform	U	0.005 mg/L	0.005	SW846-8260
Bromomethane	JU	0.005 mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005 mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005 mg/L	0.005	SW846-8260
Chloroethane	JU	0.005 mg/L	0.005	SW846-8260
Chloromethane	JU	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Dibromomethane	U	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	JU	0.005 mg/L	0.005	SW846-8260
Ethyl methacrylate	JU	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	U	0.005 mg/L	0.005	SW846-8260
Methylene chloride	JU	0.01 mg/L	0.01	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.01 mg/L	0.01	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene		0.003 mg/L	0.001	SW846-8260
Trichlorofluoromethane	JU	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.005 mg/L	0.005	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.05 mg/L	0.05	SW846-9020B
Turbidity		2.6 NTU	0.5	EPA-180.1 1978

MW222

SG99-02

C-746 S&T QUARTERLY SG99-02

5025-99

Collected: 1/6/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		24.8	mg/L		2	EPA-300
Nitrate as Nitrogen	U	1	mg/L		1	EPA-300
<b>Field P</b>						
Barometric Pressure Reading		30	Inches/Hg			
Conductivity		291	umho/cm			
Depth to Water		70.97	ft			
Dissolved Oxygen		5.89	mg/L			
pH		6.5	Std Unit			
Temperature		59.4	deg F			
<b>METAL</b>						
Barium		0.21	mg/L		0.05	SW846-6010A
Beryllium	U	0.02	mg/L		0.02	SW846-6010A
Cadmium	BU	0.005	mg/L		0.005	SW846-7131
Chromium		0.07	mg/L		0.05	SW846-6010A
Cobalt	U	0.05	mg/L		0.05	SW846-6010A
Copper	U	0.1	mg/L		0.1	SW846-6010A
Iron		2.49	mg/L		0.2	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel	U	0.1	mg/L		0.1	SW846-6010A
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Silver	U	0.05	mg/L		0.05	SW846-6010A
Sodium		41.8	mg/L		5	SW846-6010A
Thallium	U	0.4	mg/L		0.4	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.1	mg/L		0.1	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A
<b>METAL-D</b>						
Barium		0.2	mg/L		0.05	SW846-6010A
Chromium	BU	0.05	mg/L		0.05	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids	*	284	mg/L		25	EPA-160.2
<b>RADS</b>						
Alpha activity	A	-0.54	pCi/L	0.44	4.35	EPA-900.0
Beta activity	AX	0.94	pCi/L	0.25	5.55	EPA-900.0
Technetium-99	A	12.6	pCi/L	12.1	17.58	RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260

## MW222

## SG99-02

## C-746 S&amp;T QUARTERLY SG99-02

2-Butanone	U	0.01 mg/L	0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01 mg/L	0.01	SW846-8260
2-Hexanone	U	0.01 mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01 mg/L	0.01	SW846-8260
Acetone	U	0.01 mg/L	0.01	SW846-8260
Acrolein	JU	0.01 mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01 mg/L	0.01	SW846-8260
Benzene	U	0.005 mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromoform	U	0.005 mg/L	0.005	SW846-8260
Bromomethane	JU	0.005 mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005 mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005 mg/L	0.005	SW846-8260
Chloroethane	JU	0.005 mg/L	0.005	SW846-8260
Chloromethane	JU	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Dibromomethane	U	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	JU	0.005 mg/L	0.005	SW846-8260
Ethyl methacrylate	JU	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	U	0.005 mg/L	0.005	SW846-8260
Methylene chloride	JU	0.01 mg/L	0.01	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.01 mg/L	0.01	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	JU	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.005 mg/L	0.005	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	UY	0.05 mg/L	0.05	SW846-9020B
Turbidity		29 NTU	0.5	EPA-180.1 1978

**MW223**  
**SG99-02**  
**5026-99**

**C-746 S&T QUARTERLY SG99-02**

Collected: 1/5/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		43.9	mg/L		2	EPA-300
Nitrate as Nitrogen		2.1	mg/L		1	EPA-300
<b>Field P</b>						
Barometric Pressure Reading		30.3	Inches/Hg			
Conductivity		435	umho/cm			
Depth to Water		70.35	ft			
Dissolved Oxygen		4.64	mg/L			
pH		6.12	Std Unit			
Temperature		59.3	deg F			
<b>METAL</b>						
Barium		0.21	mg/L		0.05	SW846-6010A
Beryllium	U	0.02	mg/L		0.02	SW846-6010A
Cadmium	BU	0.005	mg/L		0.005	SW846-7131
Chromium		0.06	mg/L		0.05	SW846-6010A
Cobalt	U	0.05	mg/L		0.05	SW846-6010A
Copper	U	0.1	mg/L		0.1	SW846-6010A
Iron		1.49	mg/L		0.2	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel		0.78	mg/L		0.1	SW846-6010A
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Silver	U	0.05	mg/L		0.05	SW846-6010A
Sodium		41.3	mg/L		5	SW846-6010A
Thallium	U	0.4	mg/L		0.4	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.1	mg/L		0.1	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A
<b>METAL-D</b>						
Barium		0.21	mg/L		0.05	SW846-6010A
Chromium	BU	0.05	mg/L		0.05	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		238	mg/L		25	EPA-160.2
<b>RADS</b>						
Alpha activity	A	-0.98	pCi/L	0.62	5.36	EPA-900.0
Beta activity		16.6	pCi/L	2.55	4.82	EPA-900.0
Technetium-99		21.2	pCi/L	12.4	17.58	RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260

## MW223

## SG99-02

## C-746 S&amp;T QUARTERLY SG99-02

2-Butanone	U	0.01 mg/L	0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01 mg/L	0.01	SW846-8260
2-Hexanone	U	0.01 mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01 mg/L	0.01	SW846-8260
Acetone	U	0.01 mg/L	0.01	SW846-8260
Acrolein	JU	0.01 mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01 mg/L	0.01	SW846-8260
Benzene	U	0.005 mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromoform	U	0.005 mg/L	0.005	SW846-8260
Bromomethane	JU	0.005 mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005 mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005 mg/L	0.005	SW846-8260
Chloroethane	JU	0.005 mg/L	0.005	SW846-8260
Chloromethane	JU	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Dibromomethane	U	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	JU	0.005 mg/L	0.005	SW846-8260
Ethyl methacrylate	JU	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	U	0.005 mg/L	0.005	SW846-8260
Methylene chloride	JU	0.01 mg/L	0.01	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.01 mg/L	0.01	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	JU	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.005 mg/L	0.005	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.05 mg/L	0.05	SW846-9020B
Turbidity		49 NTU	0.5	EPA-180.1 1978

**MW224**  
**SG99-02**  
**5027-99**

**C-746 S&T QUARTERLY SG99-02**

Collected: 1/6/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		27.9	mg/L		2	EPA-300
Nitrate as Nitrogen	U	1	mg/L		1	EPA-300
<b>Field P</b>						
Barometric Pressure Reading		30	Inches/Hg			
Conductivity		470	umho/cm			
Depth to Water		71.38	ft			
Dissolved Oxygen		1.75	mg/L			
pH		6.3	Std Unit			
Temperature		59.3	deg F			
<b>METAL</b>						
Barium		0.23	mg/L		0.05	SW846-6010A
Beryllium	U	0.02	mg/L		0.02	SW846-6010A
Cadmium	BU	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.05	mg/L		0.05	SW846-6010A
Cobalt	U	0.05	mg/L		0.05	SW846-6010A
Copper	U	0.1	mg/L		0.1	SW846-6010A
Iron	U	0.2	mg/L		0.2	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel	U	0.1	mg/L		0.1	SW846-6010A
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Silver	U	0.05	mg/L		0.05	SW846-6010A
Sodium		64.4	mg/L		5	SW846-6010A
Thallium	U	0.4	mg/L		0.4	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.1	mg/L		0.1	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A
<b>METAL-D</b>						
Barium		0.23	mg/L		0.05	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		386	mg/L		25	EPA-160.2
<b>RADS</b>						
Alpha activity	A	-0.46	pCi/L	0.35	5.45	EPA-900.0
Beta activity	AX	4.91	pCi/L	1.12	6.47	EPA-900.0
Technetium-99	A	12.4	pCi/L	12.1	17.58	RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260

**MW224****SG99-02****C-746 S&T QUARTERLY SG99-02**

2-Chloroethyl vinyl ether	JU	0.01 mg/L	0.01	SW846-8260
2-Hexanone	U	0.01 mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01 mg/L	0.01	SW846-8260
Acetone	U	0.01 mg/L	0.01	SW846-8260
Acrolein	JU	0.01 mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01 mg/L	0.01	SW846-8260
Benzene	U	0.005 mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromoform	U	0.005 mg/L	0.005	SW846-8260
Bromomethane	JU	0.005 mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005 mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005 mg/L	0.005	SW846-8260
Chloroethane	JU	0.005 mg/L	0.005	SW846-8260
Chloromethane	JU	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Dibromomethane	U	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	JU	0.005 mg/L	0.005	SW846-8260
Ethyl methacrylate	JU	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	U	0.005 mg/L	0.005	SW846-8260
Methylene chloride	JU	0.01 mg/L	0.01	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.01 mg/L	0.01	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	JU	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.005 mg/L	0.005	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	UY	0.05 mg/L	0.05	SW846-9020B
Turbidity	U	0.5 NTU	0.5	EPA-180.1 1978

MW263

SG99-02

C-746 S&amp;T QUARTERLY SG99-02

5028-99

Collected: 1/5/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		42.7	mg/L		2	EPA-300
Nitrate as Nitrogen		1	mg/L		1	EPA-300
<b>Field P</b>						
Barometric Pressure Reading		30.3	Inches/Hg			
Barometric Pressure Reading		30.3	Inches/Hg			
Conductivity		531	umho/cm			
Conductivity		531	umho/cm			
Depth to Water		36.13	ft			
Depth to Water		36.13	ft			
Dissolved Oxygen		1.92	mg/L			
Dissolved Oxygen		1.92	mg/L			
pH		6.2	Std Unit			
pH		6.2	Std Unit			
Temperature		56.5	deg F			
Temperature		56.5	deg F			
<b>METAL</b>						
Barium		0.06	mg/L		0.05	SW846-6010A
Beryllium	U	0.02	mg/L		0.02	SW846-6010A
Cadmium	BU	0.005	mg/L		0.005	SW846-7131
Chromium		0.36	mg/L		0.05	SW846-6010A
Cobalt	U	0.05	mg/L		0.05	SW846-6010A
Copper	U	0.1	mg/L		0.1	SW846-6010A
Iron		1.2	mg/L		0.2	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel	U	0.1	mg/L		0.1	SW846-6010A
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Silver	U	0.05	mg/L		0.05	SW846-6010A
Sodium		45.7	mg/L		5	SW846-6010A
Thallium	U	0.4	mg/L		0.4	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.1	mg/L		0.1	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A
<b>METAL-D</b>						
Barium		0.06	mg/L		0.05	SW846-6010A
Chromium	BU	0.05	mg/L		0.05	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		307	mg/L		25	EPA-160.2
<b>RADS</b>						
Alpha activity	A	-1.41	pCi/L	0.94	5.69	EPA-900.0
Beta activity		19.49	pCi/L	2.86	4.99	EPA-900.0
Technetium-99		24.6	pCi/L	12.6	17.58	RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260



## MW263

## SG99-02

## C-746 S&amp;T QUARTERLY SG99-02

1,1-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	0.005	SW846-8260
2-Butanone	U	0.01	mg/L	0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L	0.01	SW846-8260
2-Hexanone	U	0.01	mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L	0.01	SW846-8260
Acetone	U	0.01	mg/L	0.01	SW846-8260
Acrolein	JU	0.01	mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L	0.01	SW846-8260
Benzene	U	0.005	mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromoform	U	0.005	mg/L	0.005	SW846-8260
Bromomethane	JU	0.005	mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L	0.005	SW846-8260
Chloroethane	JU	0.005	mg/L	0.005	SW846-8260
Chloromethane	JU	0.005	mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Dibromomethane	U	0.005	mg/L	0.005	SW846-8260
Dichlorodifluoromethane	JU	0.005	mg/L	0.005	SW846-8260
Ethyl methacrylate	JU	0.005	mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L	0.005	SW846-8260
Iodomethane	U	0.005	mg/L	0.005	SW846-8260
Methylene chloride	JU	0.01	mg/L	0.01	SW846-8260
Styrene	U	0.005	mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L	0.005	SW846-8260
Toluene	U	0.005	mg/L	0.005	SW846-8260
Total Xylene	U	0.01	mg/L	0.01	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L	0.005	SW846-8260
Trichloroethene		0.012	mg/L	0.001	SW846-8260
Trichlorofluoromethane	JU	0.005	mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.005	mg/L	0.005	SW846-8260
<b>WETCHEM</b>					
Chemical Oxygen Demand (COD)	U	25	mg/L	25	EPA-410.4 1978
Total Organic Carbon (TOC)	U	1	mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.05	mg/L	0.05	SW846-9020B
Turbidity	J	4.8	NTU	0.5	EPA-180.1 1978

MW264

SG99-02

C-746 S&amp;T QUARTERLY SG99-02

5029-99

Collected: 1/6/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		53.6	mg/L		2	EPA-300
Nitrate as Nitrogen	U	1	mg/L		1	EPA-300
<b>Field P</b>						
Barometric Pressure Reading		30	Inches/Hg			
Conductivity		544	umho/cm			
Depth to Water		41.39	ft			
Dissolved Oxygen		0.97	mg/L			
pH		6.02	Std Unit			
Temperature		58.3	deg F			
<b>METAL</b>						
Barium		0.17	mg/L		0.05	SW846-6010A
Beryllium	U	0.02	mg/L		0.02	SW846-6010A
Cadmium	BU	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.05	mg/L		0.05	SW846-6010A
Cobalt	U	0.05	mg/L		0.05	SW846-6010A
Copper	U	0.1	mg/L		0.1	SW846-6010A
Iron		0.41	mg/L		0.2	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel	U	0.1	mg/L		0.1	SW846-6010A
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Silver	U	0.05	mg/L		0.05	SW846-6010A
Sodium		46.4	mg/L		5	SW846-6010A
Thallium	U	0.4	mg/L		0.4	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.1	mg/L		0.1	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A
<b>METAL-D</b>						
Barium		0.17	mg/L		0.05	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		295	mg/L		25	EPA-160.2
<b>RADS</b>						
Alpha activity	A	-0.38	pCi/L	0.25	5.28	EPA-900.0
Beta activity	X	11.33	pCi/L	2.12	6.34	EPA-900.0
Technetium-99		18.2	pCi/L	12.3	17.58	RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260

**MW264****SG99-02****C-746 S&T QUARTERLY SG99-02**

2-Chloroethyl vinyl ether	JU	0.01 mg/L	0.01	SW846-8260
2-Hexanone	U	0.01 mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01 mg/L	0.01	SW846-8260
Acetone	U	0.01 mg/L	0.01	SW846-8260
Acrolein	JU	0.01 mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01 mg/L	0.01	SW846-8260
Benzene	U	0.005 mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromoform	U	0.005 mg/L	0.005	SW846-8260
Bromomethane	JU	0.005 mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005 mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005 mg/L	0.005	SW846-8260
Chloroethane	JU	0.005 mg/L	0.005	SW846-8260
Chloromethane	JU	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Dibromomethane	U	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	JU	0.005 mg/L	0.005	SW846-8260
Ethyl methacrylate	JU	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	U	0.005 mg/L	0.005	SW846-8260
Methylene chloride	JU	0.01 mg/L	0.01	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.01 mg/L	0.01	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	JU	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.005 mg/L	0.005	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	UY	0.05 mg/L	0.05	SW846-9020B
Turbidity		5.2 NTU	0.5	EPA-180.1 1978

## MW265

## SG99-02

## C-746 S&amp;T QUARTERLY SG99-02

## 5030-99

Collected: 1/5/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		34.4	mg/L		2	EPA-300
Nitrate as Nitrogen	U	1	mg/L		1	EPA-300
<b>Field P</b>						
Barometric Pressure Reading		30.3	Inches/Hg			
Conductivity		371	umho/cm			
Depth to Water		44.95	ft			
Dissolved Oxygen		2.21	mg/L			
pH		6.08	Std Unit			
Temperature		57.7	deg F			
<b>METAL</b>						
Barium		0.21	mg/L		0.05	SW846-6010A
Beryllium	U	0.02	mg/L		0.02	SW846-6010A
Cadmium	BU	0.005	mg/L		0.005	SW846-7131
Chromium		0.83	mg/L		0.05	SW846-6010A
Cobalt	U	0.05	mg/L		0.05	SW846-6010A
Copper	U	0.1	mg/L		0.1	SW846-6010A
Iron		4.75	mg/L		0.2	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel	U	0.1	mg/L		0.1	SW846-6010A
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Silver	U	0.05	mg/L		0.05	SW846-6010A
Sodium		38.6	mg/L		5	SW846-6010A
Thallium	U	0.4	mg/L		0.4	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.1	mg/L		0.1	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A
<b>METAL-D</b>						
Barium		0.21	mg/L		0.05	SW846-6010A
Chromium	BU	0.05	mg/L		0.05	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids	*	277	mg/L		25	EPA-160.2
<b>RADS</b>						
Alpha activity	A	-1.02	pCi/L	0.77	5.24	EPA-900.0
Beta activity		6.51	pCi/L	1.33	4.75	EPA-900.0
Technetium-99	A	12.6	pCi/L	12.1	17.58	RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260

**MW265****SG99-02****C-746 S&T QUARTERLY SG99-02**

2-Butanone	U	0.01 mg/L	0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01 mg/L	0.01	SW846-8260
2-Hexanone	U	0.01 mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01 mg/L	0.01	SW846-8260
Acetone	U	0.01 mg/L	0.01	SW846-8260
Acrolein	JU	0.01 mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01 mg/L	0.01	SW846-8260
Benzene	U	0.005 mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromoform	U	0.005 mg/L	0.005	SW846-8260
Bromomethane	JU	0.005 mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005 mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005 mg/L	0.005	SW846-8260
Chloroethane	JU	0.005 mg/L	0.005	SW846-8260
Chloromethane	JU	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Dibromomethane	U	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	JU	0.005 mg/L	0.005	SW846-8260
Ethyl methacrylate	JU	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	U	0.005 mg/L	0.005	SW846-8260
Methylene chloride	JU	0.01 mg/L	0.01	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.01 mg/L	0.01	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene		0.003 mg/L	0.001	SW846-8260
Trichlorofluoromethane	JU	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.005 mg/L	0.005	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.05 mg/L	0.05	SW846-9020B
Turbidity	J	28 NTU	0.5	EPA-180.1 1978

MW266

SG99-02

C-746 S&amp;T QUARTERLY SG99-02

5031-99

Collected: 1/6/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		45.8	mg/L		2	EPA-300
Nitrate as Nitrogen		1.2	mg/L		1	EPA-300
<b>Field P</b>						
Barometric Pressure Reading		30	Inches/Hg			
Conductivity		584	umho/cm			
Depth to Water		41	ft			
Dissolved Oxygen		1.37	mg/L			
pH		5.87	Std Unit			
Temperature		59	deg F			
<b>METAL</b>						
Barium	U	0.05	mg/L		0.05	SW846-6010A
Beryllium	U	0.02	mg/L		0.02	SW846-6010A
Cadmium	BU	0.005	mg/L		0.005	SW846-7131
Chromium		0.45	mg/L		0.05	SW846-6010A
Cobalt	U	0.05	mg/L		0.05	SW846-6010A
Copper	U	0.1	mg/L		0.1	SW846-6010A
Iron		3.49	mg/L		0.2	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel	U	0.1	mg/L		0.1	SW846-6010A
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Silver	U	0.05	mg/L		0.05	SW846-6010A
Sodium		37.4	mg/L		5	SW846-6010A
Thallium	U	0.4	mg/L		0.4	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.1	mg/L		0.1	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A
<b>METAL-D</b>						
Chromium	BU	0.05	mg/L		0.05	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		344	mg/L		25	EPA-160.2
<b>RADS</b>						
Alpha activity	A	-0.59	pCi/L	0.39	5.86	EPA-900.0
Beta activity	X	15.44	pCi/L	2.7	6.79	EPA-900.0
Technetium-99	A	10.1	pCi/L	12	17.58	RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260

**MW266****SG99-02****C-746 S&T QUARTERLY SG99-02**

2-Chloroethyl vinyl ether	JU	0.01 mg/L	0.01	SW846-8260
2-Hexanone	U	0.01 mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01 mg/L	0.01	SW846-8260
Acetone	U	0.01 mg/L	0.01	SW846-8260
Acrolein	JU	0.01 mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01 mg/L	0.01	SW846-8260
Benzene	U	0.005 mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromoform	U	0.005 mg/L	0.005	SW846-8260
Bromomethane	JU	0.005 mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005 mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005 mg/L	0.005	SW846-8260
Chloroethane	JU	0.005 mg/L	0.005	SW846-8260
Chloromethane	JU	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Dibromomethane	U	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	JU	0.005 mg/L	0.005	SW846-8260
Ethyl methacrylate	JU	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	U	0.005 mg/L	0.005	SW846-8260
Methylene chloride	JU	0.01 mg/L	0.01	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.01 mg/L	0.01	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene		0.003 mg/L	0.001	SW846-8260
Trichlorofluoromethane	JU	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.005 mg/L	0.005	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	UY	0.05 mg/L	0.05	SW846-9020B
Turbidity		32 NTU	0.5	EPA-180.1 1978

**MW267**  
**SG99-02**  
**5032-99**

**C-746 S&T QUARTERLY SG99-02**

Collected: 1/5/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		56.2	mg/L		2	EPA-300
Nitrate as Nitrogen		2.5	mg/L		1	EPA-300
<b>Field P</b>						
Barometric Pressure Reading		30.3	Inches/Hg			
Conductivity		427	umho/cm			
Depth to Water		56.54	ft			
Dissolved Oxygen		2.9	mg/L			
pH		5.9	Std Unit			
Temperature		56.9	deg F			
<b>METAL</b>						
Barium		0.21	mg/L		0.05	SW846-6010A
Beryllium	U	0.02	mg/L		0.02	SW846-6010A
Cadmium	BU	0.005	mg/L		0.005	SW846-7131
Chromium		0.14	mg/L		0.05	SW846-6010A
Cobalt	U	0.05	mg/L		0.05	SW846-6010A
Copper	U	0.1	mg/L		0.1	SW846-6010A
Iron		0.87	mg/L		0.2	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel	U	0.1	mg/L		0.1	SW846-6010A
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Silver	U	0.05	mg/L		0.05	SW846-6010A
Sodium		37.9	mg/L		5	SW846-6010A
Thallium	U	0.4	mg/L		0.4	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.1	mg/L		0.1	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A
<b>METAL-D</b>						
Barium		0.22	mg/L		0.05	SW846-6010A
Chromium	BU	0.05	mg/L		0.05	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		168	mg/L		25	EPA-160.2
<b>RADS</b>						
Alpha activity	A	-1.25	pCi/L	0.95	5.24	EPA-900.0
Beta activity		9.85	pCi/L	1.79	4.75	EPA-900.0
Technetium-99	A	1.7	pCi/L	12.3	18.35	RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260



**MW267****SG99-02****C-746 S&T QUARTERLY SG99-02**

2-Butanone	U	0.01 mg/L	0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01 mg/L	0.01	SW846-8260
2-Hexanone	U	0.01 mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01 mg/L	0.01	SW846-8260
Acetone	U	0.01 mg/L	0.01	SW846-8260
Acrolein	JU	0.01 mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01 mg/L	0.01	SW846-8260
Benzene	U	0.005 mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromoform	U	0.005 mg/L	0.005	SW846-8260
Bromomethane	JU	0.005 mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005 mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005 mg/L	0.005	SW846-8260
Chloroethane	JU	0.005 mg/L	0.005	SW846-8260
Chloromethane	JU	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Dibromomethane	U	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	JU	0.005 mg/L	0.005	SW846-8260
Ethyl methacrylate	JU	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	U	0.005 mg/L	0.005	SW846-8260
Methylene chloride	JU	0.01 mg/L	0.01	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.01 mg/L	0.01	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	JU	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.005 mg/L	0.005	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.05 mg/L	0.05	SW846-9020B
Turbidity		4.1 NTU	0.5	EPA-180.1 1978

**MW267**  
**SG99-02**  
**5033-99**

**C-746 S&T QUARTERLY SG99-02**

Collected: 1/5/1999

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		57.3	mg/L		2	EPA-300
Nitrate as Nitrogen		2.5	mg/L		1	EPA-300
<b>Field P</b>						
Barometric Pressure Reading		30.3	Inches/Hg			
Conductivity		427	umho/cm			
Depth to Water		56.54	ft			
Dissolved Oxygen		2.9	mg/L			
pH		5.9	Std Unit			
Temperature		56.9	deg F			
<b>METAL</b>						
Barium		0.21	mg/L		0.05	SW846-6010A
Beryllium	U	0.02	mg/L		0.02	SW846-6010A
Cadmium	BU	0.005	mg/L		0.005	SW846-7131
Chromium		0.07	mg/L		0.05	SW846-6010A
Cobalt	U	0.05	mg/L		0.05	SW846-6010A
Copper	U	0.1	mg/L		0.1	SW846-6010A
Iron		0.57	mg/L		0.2	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel	U	0.1	mg/L		0.1	SW846-6010A
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Silver	U	0.05	mg/L		0.05	SW846-6010A
Sodium		39.9	mg/L		5	SW846-6010A
Thallium	U	0.4	mg/L		0.4	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.1	mg/L		0.1	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A
<b>METAL-D</b>						
Barium		0.21	mg/L		0.05	SW846-6010A
Chromium	BU	0.05	mg/L		0.05	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		221	mg/L		25	EPA-160.2
<b>RADS</b>						
Alpha activity	A	1.04	pCi/L	0.49	5.29	EPA-900.0
Beta activity		25.86	pCi/L	3.35	4.77	EPA-900.0
Technetium-99		17.6	pCi/L	12.3	17.58	RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260

**MW267****SG99-02****C-746 S&T QUARTERLY SG99-02**

2-Butanone	U	0.01 mg/L	0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01 mg/L	0.01	SW846-8260
2-Hexanone	U	0.01 mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01 mg/L	0.01	SW846-8260
Acetone	U	0.01 mg/L	0.01	SW846-8260
Acrolein	JU	0.01 mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01 mg/L	0.01	SW846-8260
Benzene	U	0.005 mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromoform	U	0.005 mg/L	0.005	SW846-8260
Bromomethane	JU	0.005 mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005 mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005 mg/L	0.005	SW846-8260
Chloroethane	JU	0.005 mg/L	0.005	SW846-8260
Chloromethane	JU	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Dibromomethane	U	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	JU	0.005 mg/L	0.005	SW846-8260
Ethyl methacrylate	JU	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	U	0.005 mg/L	0.005	SW846-8260
Methylene chloride	JU	0.01 mg/L	0.01	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.01 mg/L	0.01	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	JU	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.005 mg/L	0.005	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.05 mg/L	0.05	SW846-9020B
Turbidity		2.8 NTU	0.5	EPA-180.1 1978

MW179

SG99-03

C-746 S&amp;T QUARTERLY SG99-03

5186-99

Collected: 4/5/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		35.9	mg/L		2	EPA-300.0
Nitrate as Nitrogen	U	1	mg/L		1	EPA-300.0
<b>Field P</b>						
Barometric Pressure Reading		30.03	Inches/Hg			
Conductivity		675	umho/cm			
Depth to Water		30.56	ft			
Dissolved Oxygen		2.38	mg/L			
pH		6.11	Std Unit			
Temperature		60.7	deg F			
<b>METAL</b>						
Barium	BU	0.05	mg/L		0.05	SW846-6010A
Beryllium	U	0.005	mg/L		0.005	SW846-6010A
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.05	mg/L		0.05	SW846-6010A
Cobalt	U	0.01	mg/L		0.01	SW846-6010A
Copper	BU	0.05	mg/L		0.05	SW846-6010A
Iron	*BNU	0.24	mg/L		0.2	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Selenium	BUW	0.005	mg/L		0.005	SW846-7740
Silver	U	0.05	mg/L		0.05	SW846-6010A
Sodium		64.5	mg/L		2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.1	mg/L		0.1	SW846-6010A
Zinc	BU	0.2	mg/L		0.2	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		454	mg/L		100	EPA-160.2
<b>RADS</b>						
Alpha activity		7.96	pCi/L	2.09	6.67	EPA-900.0
Beta activity		213.86	pCi/L	13	7.62	EPA-900.0
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260

## MW179

## SG99-03

## C-746 S&amp;T QUARTERLY SG99-03

Acetone	U	0.01 mg/L	0.01	SW846-8260
Acrolein	JU	0.01 mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01 mg/L	0.01	SW846-8260
Benzene	UY	0.005 mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromoform	U	0.005 mg/L	0.005	SW846-8260
Bromomethane	U	0.005 mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005 mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	0.005	SW846-8260
Chlorobenzene	UY	0.005 mg/L	0.005	SW846-8260
Chloroethane	U	0.005 mg/L	0.005	SW846-8260
Chloromethane	U	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Dibromomethane	U	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	JU	0.005 mg/L	0.005	SW846-8260
Ethyl methacrylate	JU	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	U	0.005 mg/L	0.005	SW846-8260
Methylene chloride	U	0.01 mg/L	0.01	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.01 mg/L	0.01	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene		0.004 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.005 mg/L	0.005	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	JU	25 mg/L	25	EPA-410.4 1978
Total Organic Carbon (TOC)		1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.05 mg/L	0.05	SW846-9020B
Turbidity		2.5 NTU	0.5	EPA-180.1 1978

**MW181**  
**SG99-03**  
**5187-99**

**C-746 S&T QUARTERLY SG99-03**

Collected: 4/5/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		36.6	mg/L		2	EPA-300.0
Nitrate as Nitrogen		2	mg/L		1	EPA-300.0
<b>Field P</b>						
Barometric Pressure Reading		30	Inches/Hg			
Conductivity		420	umho/cm			
Depth to Water		42.82	ft			
Dissolved Oxygen		4.93	mg/L			
pH		6.05	Std Unit			
Temperature		60.7	deg F			
<b>METAL</b>						
Barium		0.15	mg/L		0.05	SW846-6010A
Beryllium	U	0.005	mg/L		0.005	SW846-6010A
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium		0.36	mg/L		0.05	SW846-6010A
Cobalt	U	0.01	mg/L		0.01	SW846-6010A
Copper	BU	0.05	mg/L		0.05	SW846-6010A
Iron	*N	3.89	mg/L		0.2	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel		0.12	mg/L		0.05	SW846-6010A
Selenium	BUW	0.005	mg/L		0.005	SW846-7740
Silver	U	0.05	mg/L		0.05	SW846-6010A
Sodium		41.7	mg/L		2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.1	mg/L		0.1	SW846-6010A
Zinc	BU	0.2	mg/L		0.2	SW846-6010A
<b>METAL-D</b>						
Barium	N	0.12	mg/L		0.05	SW846-6010A
Chromium	U	0.05	mg/L		0.05	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		228	mg/L		100	EPA-160.2
<b>RADS</b>						
Alpha activity		7.36	pCi/L	2.19	5.11	EPA-900.0
Beta activity		78.86	pCi/L	6.96	6.26	EPA-900.0
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260

**MW181****SG99-03****C-746 S&T QUARTERLY SG99-03**

2-Chloroethyl vinyl ether	JU	0.01 mg/L	0.01	SW846-8260
2-Hexanone	U	0.01 mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01 mg/L	0.01	SW846-8260
Acetone	U	0.01 mg/L	0.01	SW846-8260
Acrolein	JU	0.01 mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01 mg/L	0.01	SW846-8260
Benzene	UY	0.005 mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromoform	U	0.005 mg/L	0.005	SW846-8260
Bromomethane	U	0.005 mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005 mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	0.005	SW846-8260
Chlorobenzene	UY	0.005 mg/L	0.005	SW846-8260
Chloroethane	U	0.005 mg/L	0.005	SW846-8260
Chloromethane	U	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Dibromomethane	U	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	JU	0.005 mg/L	0.005	SW846-8260
Ethyl methacrylate	JU	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	U	0.005 mg/L	0.005	SW846-8260
Methylene chloride	U	0.01 mg/L	0.01	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.01 mg/L	0.01	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.005 mg/L	0.005	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	JU	25 mg/L	25	EPA-410.4 1978
Total Organic Carbon (TOC)		1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.05 mg/L	0.05	SW846-9020B
Turbidity		51 NTU	0.5	EPA-180.1 1978

MW220

SG99-03

C-746 S&amp;T QUARTERLY SG99-03

5188-99

Collected: 4/8/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		39.7	mg/L		2	EPA-300.0
Nitrate as Nitrogen	N	2.3	mg/L		1	EPA-300.0
<b>Field P</b>						
Barometric Pressure Reading		29.97	Inches/Hg			
Conductivity		370	umho/cm			
Depth to Water		52.64	ft			
Dissolved Oxygen		6.63	mg/L			
pH		6.12	Std Unit			
Temperature		62.1	deg F			
<b>METAL</b>						
Barium		0.19	mg/L		0.05	SW846-6010A
Beryllium	U	0.005	mg/L		0.005	SW846-6010A
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.05	mg/L		0.05	SW846-6010A
Cobalt		0.01	mg/L		0.01	SW846-6010A
Copper	BU	0.05	mg/L		0.05	SW846-6010A
Iron	*BNU	0.2	mg/L		0.2	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel		1.05	mg/L		0.05	SW846-6010A
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Silver	U	0.05	mg/L		0.05	SW846-6010A
Sodium		37.6	mg/L		2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.1	mg/L		0.1	SW846-6010A
Zinc	BU	0.2	mg/L		0.2	SW846-6010A
<b>METAL-D</b>						
Barium	N	0.19	mg/L		0.05	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		206	mg/L		100	EPA-160.2
<b>RADS</b>						
Alpha activity	A	1.03	pCi/L	0.84	3.68	EPA-900.0
Beta activity		23.62	pCi/L	3.91	6.6	EPA-900.0
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L		0.01	SW846-8260



**MW220****SG99-03****C-746 S&T QUARTERLY SG99-03**

2-Hexanone	U	0.01 mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01 mg/L	0.01	SW846-8260
Acetone	U	0.01 mg/L	0.01	SW846-8260
Acrolein	JU	0.01 mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01 mg/L	0.01	SW846-8260
Benzene	U	0.005 mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromoform	U	0.005 mg/L	0.005	SW846-8260
Bromomethane	U	0.005 mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005 mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005 mg/L	0.005	SW846-8260
Chloroethane	U	0.005 mg/L	0.005	SW846-8260
Chloromethane	U	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Dibromomethane	U	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005 mg/L	0.005	SW846-8260
Ethyl methacrylate	JU	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	U	0.005 mg/L	0.005	SW846-8260
Methylene chloride	U	0.01 mg/L	0.01	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.01 mg/L	0.01	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.005 mg/L	0.005	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	NU	25 mg/L	25	EPA-410.4 1978
Total Organic Carbon (TOC)		1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.05 mg/L	0.05	SW846-9020B
Turbidity		2.5 NTU	0.5	EPA-180.1 1978

MW221

SG99-03

C-746 S&amp;T QUARTERLY SG99-03

5189-99

Collected: 4/5/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		45.2	mg/L		2	EPA-300.0
Nitrate as Nitrogen		1.7	mg/L		1	EPA-300.0
<b>Field P</b>						
Barometric Pressure Reading		29.88	Inches/Hg			
Conductivity		472	umho/cm			
Depth to Water		62.29	ft			
Dissolved Oxygen		4.56	mg/L			
pH		6.1	Std Unit			
Temperature		61.2	deg F			
<b>METAL</b>						
Barium		0.22	mg/L		0.05	SW846-6010A
Beryllium	U	0.005	mg/L		0.005	SW846-6010A
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium		0.06	mg/L		0.05	SW846-6010A
Cobalt	U	0.01	mg/L		0.01	SW846-6010A
Copper	BU	0.05	mg/L		0.05	SW846-6010A
Iron	*BN	0.37	mg/L		0.2	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel		0.61	mg/L		0.05	SW846-6010A
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Silver	U	0.05	mg/L		0.05	SW846-6010A
Sodium		45.6	mg/L		2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.1	mg/L		0.1	SW846-6010A
Zinc	BU	0.2	mg/L		0.2	SW846-6010A
<b>METAL-D</b>						
Barium	N	0.22	mg/L		0.05	SW846-6010A
Chromium	U	0.05	mg/L		0.05	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		249	mg/L		100	EPA-160.2
<b>RADS</b>						
Alpha activity		10.93	pCi/L	3.29	6.2	EPA-900.0
Beta activity		53.25	pCi/L	5.89	7.12	EPA-900.0
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260

**MW221****SG99-03****C-746 S&T QUARTERLY SG99-03**

2-Chloroethyl vinyl ether	JU	0.01 mg/L	0.01	SW846-8260
2-Hexanone	U	0.01 mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01 mg/L	0.01	SW846-8260
Acetone	U	0.01 mg/L	0.01	SW846-8260
Acrolein	JU	0.01 mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01 mg/L	0.01	SW846-8260
Benzene	UY	0.005 mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromoform	U	0.005 mg/L	0.005	SW846-8260
Bromomethane	U	0.005 mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005 mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	0.005	SW846-8260
Chlorobenzene	UY	0.005 mg/L	0.005	SW846-8260
Chloroethane	U	0.005 mg/L	0.005	SW846-8260
Chloromethane	U	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Dibromomethane	U	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	JU	0.005 mg/L	0.005	SW846-8260
Ethyl methacrylate	JU	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	U	0.005 mg/L	0.005	SW846-8260
Methylene chloride	U	0.01 mg/L	0.01	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.01 mg/L	0.01	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene		0.002 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.005 mg/L	0.005	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	JU	25 mg/L	25	EPA-410.4 1978
Total Organic Carbon (TOC)		1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.05 mg/L	0.05	SW846-9020B
Turbidity		2 NTU	0.5	EPA-180.1 1978

MW222

SG99-03

C-746 S&amp;T QUARTERLY SG99-03

5190-99

Collected: 4/7/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		42.3	mg/L		2	EPA-300.0
Nitrate as Nitrogen	N	1.5	mg/L		1	EPA-300.0
<b>Field P</b>						
Barometric Pressure Reading		30.18	Inches/Hg			
Conductivity		417	umho/cm			
Depth to Water		66.57	ft			
Dissolved Oxygen		7.45	mg/L			
pH		6.15	Std Unit			
Temperature		60.5	deg F			
<b>METAL</b>						
Barium		0.3	mg/L		0.05	SW846-6010A
Beryllium	U	0.005	mg/L		0.005	SW846-6010A
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.05	mg/L		0.05	SW846-6010A
Cobalt	U	0.01	mg/L		0.01	SW846-6010A
Copper	BU	0.05	mg/L		0.05	SW846-6010A
Iron	*N	3.49	mg/L		0.2	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel		0.25	mg/L		0.05	SW846-6010A
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Silver	U	0.05	mg/L		0.05	SW846-6010A
Sodium		53.2	mg/L		2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.1	mg/L		0.1	SW846-6010A
Zinc	BU	0.2	mg/L		0.2	SW846-6010A
<b>METAL-D</b>						
Barium	N	0.28	mg/L		0.05	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		257	mg/L		100	EPA-160.2
<b>RADS</b>						
Alpha activity	A	1.68	pCi/L	1.19	3.95	EPA-900.0
Beta activity		24.11	pCi/L	4.05	6.94	EPA-900.0
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L		0.01	SW846-8260

**MW222****SG99-03****C-746 S&T QUARTERLY SG99-03**

2-Hexanone	U	0.01 mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01 mg/L	0.01	SW846-8260
Acetone	U	0.01 mg/L	0.01	SW846-8260
Acrolein	JU	0.01 mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01 mg/L	0.01	SW846-8260
Benzene	UY	0.005 mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromoform	U	0.005 mg/L	0.005	SW846-8260
Bromomethane	U	0.005 mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005 mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	0.005	SW846-8260
Chlorobenzene	UY	0.005 mg/L	0.005	SW846-8260
Chloroethane	U	0.005 mg/L	0.005	SW846-8260
Chloromethane	U	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Dibromomethane	U	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	JU	0.005 mg/L	0.005	SW846-8260
Ethyl methacrylate	JU	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	U	0.005 mg/L	0.005	SW846-8260
Methylene chloride	U	0.01 mg/L	0.01	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.01 mg/L	0.01	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.005 mg/L	0.005	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Total Organic Carbon (TOC)		1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.05 mg/L	0.05	SW846-9020B
Turbidity		34 NTU	0.5	EPA-180.1 1978

MW223

SG99-03

C-746 S&amp;T QUARTERLY SG99-03

5191-99

Collected: 4/5/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		46.5	mg/L		2	EPA-300.0
Nitrate as Nitrogen		2.3	mg/L		1	EPA-300.0
<b>Field P</b>						
Barometric Pressure Reading		29.97	Inches/Hg			
Conductivity		410	umho/cm			
Depth to Water		65.51	ft			
Dissolved Oxygen		4.6	mg/L			
pH		6.14	Std Unit			
Temperature		61.7	deg F			
<b>METAL</b>						
Barium		0.21	mg/L		0.05	SW846-6010A
Beryllium	U	0.005	mg/L		0.005	SW846-6010A
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium		0.05	mg/L		0.05	SW846-6010A
Cobalt	U	0.01	mg/L		0.01	SW846-6010A
Copper	BU	0.05	mg/L		0.05	SW846-6010A
Iron	*N	0.63	mg/L		0.2	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel		0.62	mg/L		0.05	SW846-6010A
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Silver	U	0.05	mg/L		0.05	SW846-6010A
Sodium		44.8	mg/L		2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.1	mg/L		0.1	SW846-6010A
Zinc	BU	0.2	mg/L		0.2	SW846-6010A
<b>METAL-D</b>						
Barium	N	0.21	mg/L		0.05	SW846-6010A
Chromium	U	0.05	mg/L		0.05	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		236	mg/L		100	EPA-160.2
<b>RADS</b>						
Alpha activity	A	-0.88	pCi/L	0.62	5.5	EPA-900.0
Beta activity		14.87	pCi/L	2.44	6.57	EPA-900.0
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260

**MW223****SG99-03****C-746 S&T QUARTERLY SG99-03**

2-Chloroethyl vinyl ether	JU	0.01 mg/L	0.01	SW846-8260
2-Hexanone	U	0.01 mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01 mg/L	0.01	SW846-8260
Acetone	U	0.01 mg/L	0.01	SW846-8260
Acrolein	JU	0.01 mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01 mg/L	0.01	SW846-8260
Benzene	UY	0.005 mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromoform	U	0.005 mg/L	0.005	SW846-8260
Bromomethane	U	0.005 mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005 mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	0.005	SW846-8260
Chlorobenzene	UY	0.005 mg/L	0.005	SW846-8260
Chloroethane	U	0.005 mg/L	0.005	SW846-8260
Chloromethane	U	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Dibromomethane	U	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	JU	0.005 mg/L	0.005	SW846-8260
Ethyl methacrylate	JU	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	U	0.005 mg/L	0.005	SW846-8260
Methylene chloride	U	0.01 mg/L	0.01	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.01 mg/L	0.01	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.005 mg/L	0.005	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	JU	25 mg/L	25	EPA-410.4 1978
Total Organic Carbon (TOC)		1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.05 mg/L	0.05	SW846-9020B
Turbidity		7.2 NTU	0.5	EPA-180.1 1978

MW224

SG99-03

C-746 S&T QUARTERLY SG99-03

5192-99

Collected: 4/8/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		46.5	mg/L		2	EPA-300.0
Nitrate as Nitrogen	N	1.6	mg/L		1	EPA-300.0
<b>Field P</b>						
Barometric Pressure Reading		30	Inches/Hg			
Conductivity		440	umho/cm			
Depth to Water		66.75	ft			
Dissolved Oxygen		4.62	mg/L			
pH		6.01	Std Unit			
Temperature		61.7	deg F			
<b>METAL</b>						
Barium		0.23	mg/L		0.05	SW846-6010A
Beryllium	U	0.005	mg/L		0.005	SW846-6010A
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.05	mg/L		0.05	SW846-6010A
Cobalt	U	0.01	mg/L		0.01	SW846-6010A
Copper	BU	0.05	mg/L		0.05	SW846-6010A
Iron	*BNU	0.2	mg/L		0.2	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Silver	U	0.05	mg/L		0.05	SW846-6010A
Sodium		52	mg/L		2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.1	mg/L		0.1	SW846-6010A
Zinc	BU	0.2	mg/L		0.2	SW846-6010A
<b>METAL-D</b>						
Barium	N	0.23	mg/L		0.05	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		267	mg/L		100	EPA-160.2
<b>RADS</b>						
Alpha activity	A	2.05	pCi/L	1.45	4.24	EPA-900.0
Beta activity		16.9	pCi/L	3.47	7.26	EPA-900.0
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L		0.01	SW846-8260



**MW224****SG99-03****C-746 S&T QUARTERLY SG99-03**

2-Hexanone	U	0.01 mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01 mg/L	0.01	SW846-8260
Acetone	U	0.01 mg/L	0.01	SW846-8260
Acrolein	JU	0.01 mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01 mg/L	0.01	SW846-8260
Benzene	U	0.005 mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromoform	U	0.005 mg/L	0.005	SW846-8260
Bromomethane	U	0.005 mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005 mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005 mg/L	0.005	SW846-8260
Chloroethane	U	0.005 mg/L	0.005	SW846-8260
Chloromethane	U	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Dibromomethane	U	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005 mg/L	0.005	SW846-8260
Ethyl methacrylate	JU	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	U	0.005 mg/L	0.005	SW846-8260
Methylene chloride	U	0.01 mg/L	0.01	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.01 mg/L	0.01	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene		0.002 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.005 mg/L	0.005	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	NU	25 mg/L	25	EPA-410.4 1978
Total Organic Carbon (TOC)		1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.05 mg/L	0.05	SW846-9020B
Turbidity		0.5 NTU	0.5	EPA-180.1 1978

MW263

SG99-03

C-746 S&T QUARTERLY SG99-03

5193-99

Collected: 4/7/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		49.9	mg/L		2	EPA-300.0
Nitrate as Nitrogen	U	1	mg/L		1	EPA-300.0
<b>Field P</b>						
Barometric Pressure Reading		30.18	Inches/Hg			
Conductivity		525	umho/cm			
Depth to Water		31.4	ft			
Dissolved Oxygen		3.28	mg/L			
pH		6.1	Std Unit			
Temperature		61.1	deg F			
<b>METAL</b>						
Barium		0.06	mg/L		0.05	SW846-6010A
Beryllium	U	0.005	mg/L		0.005	SW846-6010A
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium		0.28	mg/L		0.05	SW846-6010A
Cobalt	U	0.01	mg/L		0.01	SW846-6010A
Copper	BU	0.05	mg/L		0.05	SW846-6010A
Iron	*N	0.97	mg/L		0.2	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Silver	U	0.05	mg/L		0.05	SW846-6010A
Sodium		45.9	mg/L		2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.1	mg/L		0.1	SW846-6010A
Zinc	BU	0.2	mg/L		0.2	SW846-6010A
<b>METAL-D</b>						
Barium	N	0.05	mg/L		0.05	SW846-6010A
Chromium	U	0.05	mg/L		0.05	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		296	mg/L		100	EPA-160.2
<b>RADS</b>						
Alpha activity	A	1.46	pCi/L	0.88	4.32	EPA-900.0
Beta activity		71.54	pCi/L	7.19	7.36	EPA-900.0
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260

**MW263****SG99-03****C-746 S&T QUARTERLY SG99-03**

2-Chloroethyl vinyl ether	JU	0.01 mg/L	0.01	SW846-8260
2-Hexanone	U	0.01 mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01 mg/L	0.01	SW846-8260
Acetone	U	0.01 mg/L	0.01	SW846-8260
Acrolein	JU	0.01 mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01 mg/L	0.01	SW846-8260
Benzene	UY	0.005 mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromoform	U	0.005 mg/L	0.005	SW846-8260
Bromomethane	U	0.005 mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005 mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	0.005	SW846-8260
Chlorobenzene	UY	0.005 mg/L	0.005	SW846-8260
Chloroethane	U	0.005 mg/L	0.005	SW846-8260
Chloromethane	U	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Dibromomethane	U	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	JU	0.005 mg/L	0.005	SW846-8260
Ethyl methacrylate	JU	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	U	0.005 mg/L	0.005	SW846-8260
Methylene chloride	U	0.01 mg/L	0.01	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.01 mg/L	0.01	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene		0.017 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.005 mg/L	0.005	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	NU	25 mg/L	25	EPA-410.4 1978
Total Organic Carbon (TOC)		2 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.05 mg/L	0.05	SW846-9020B
Turbidity		5.9 NTU	0.5	EPA-180.1 1978

MW264

SG99-03

C-746 S&amp;T QUARTERLY SG99-03

5194-99

Collected: 4/7/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		46.4	mg/L		2	EPA-300.0
Nitrate as Nitrogen	U	1	mg/L		1	EPA-300.0
<b>Field P</b>						
Barometric Pressure Reading		30.18	Inches/Hg			
Conductivity		524	umho/cm			
Depth to Water		36.86	ft			
Dissolved Oxygen		0.98	mg/L			
pH		6.27	Std Unit			
Temperature		62.9	deg F			
<b>METAL</b>						
Barium		0.16	mg/L		0.05	SW846-6010A
Beryllium	U	0.005	mg/L		0.005	SW846-6010A
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium	U	0.05	mg/L		0.05	SW846-6010A
Cobalt	U	0.01	mg/L		0.01	SW846-6010A
Copper	BU	0.05	mg/L		0.05	SW846-6010A
Iron	*N	0.67	mg/L		0.2	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Silver	U	0.05	mg/L		0.05	SW846-6010A
Sodium		45.5	mg/L		2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.1	mg/L		0.1	SW846-6010A
Zinc	BU	0.2	mg/L		0.2	SW846-6010A
<b>METAL-D</b>						
Barium	N	0.15	mg/L		0.05	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		278	mg/L		100	EPA-160.2
<b>RADS</b>						
Alpha activity	A	2.77	pCi/L	1.75	4.4	EPA-900.0
Beta activity		16.44	pCi/L	3.47	7.44	EPA-900.0
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L		0.01	SW846-8260

**MW264****SG99-03****C-746 S&T QUARTERLY SG99-03**

2-Hexanone	U	0.01 mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01 mg/L	0.01	SW846-8260
Acetone	U	0.01 mg/L	0.01	SW846-8260
Acrolein	JU	0.01 mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01 mg/L	0.01	SW846-8260
Benzene	UY	0.005 mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromoform	U	0.005 mg/L	0.005	SW846-8260
Bromomethane	U	0.005 mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005 mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	0.005	SW846-8260
Chlorobenzene	UY	0.005 mg/L	0.005	SW846-8260
Chloroethane	U	0.005 mg/L	0.005	SW846-8260
Chloromethane	U	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Dibromomethane	U	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	JU	0.005 mg/L	0.005	SW846-8260
Ethyl methacrylate	JU	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	U	0.005 mg/L	0.005	SW846-8260
Methylene chloride	U	0.01 mg/L	0.01	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.01 mg/L	0.01	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene		0.002 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.005 mg/L	0.005	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	NU	25 mg/L	25	EPA-410.4 1978
Total Organic Carbon (TOC)		1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.05 mg/L	0.05	SW846-9020B
Turbidity		6.5 NTU	0.5	EPA-180.1 1978

**MW265**  
**SG99-03**  
**5195-99**

**C-746 S&T QUARTERLY SG99-03**

Collected: 4/5/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		22.9	mg/L		2	EPA-300.0
Nitrate as Nitrogen	U	1	mg/L		1	EPA-300.0
<b>Field P</b>						
Barometric Pressure Reading		29.88	Inches/Hg			
Conductivity		324	umho/cm			
Depth to Water		40.01	ft			
Dissolved Oxygen		1.2	mg/L			
pH		6.3	Std Unit			
Temperature		60.5	deg F			
<b>METAL</b>						
Barium		0.17	mg/L		0.05	SW846-6010A
Beryllium	U	0.005	mg/L		0.005	SW846-6010A
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium		0.47	mg/L		0.05	SW846-6010A
Cobalt	U	0.01	mg/L		0.01	SW846-6010A
Copper	BU	0.05	mg/L		0.05	SW846-6010A
Iron	*N	4.08	mg/L		0.2	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel		0.12	mg/L		0.05	SW846-6010A
Selenium	BUW	0.005	mg/L		0.005	SW846-7740
Silver	U	0.05	mg/L		0.05	SW846-6010A
Sodium		37.9	mg/L		2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.1	mg/L		0.1	SW846-6010A
Zinc	BU	0.2	mg/L		0.2	SW846-6010A
<b>METAL-D</b>						
Barium	N	0.16	mg/L		0.05	SW846-6010A
Chromium	U	0.05	mg/L		0.05	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		182	mg/L		100	EPA-160.2
<b>RADS</b>						
Alpha activity	A	2.57	pCi/L	1.18	4.63	EPA-900.0
Beta activity	A	5.13	pCi/L	1.05	6.12	EPA-900.0
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260

**MW265****SG99-03****C-746 S&T QUARTERLY SG99-03**

2-Chloroethyl vinyl ether	JU	0.01 mg/L	0.01	SW846-8260
2-Hexanone	U	0.01 mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01 mg/L	0.01	SW846-8260
Acetone	U	0.01 mg/L	0.01	SW846-8260
Acrolein	JU	0.01 mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01 mg/L	0.01	SW846-8260
Benzene	UY	0.005 mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromoform	U	0.005 mg/L	0.005	SW846-8260
Bromomethane	U	0.005 mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005 mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	0.005	SW846-8260
Chlorobenzene	UY	0.005 mg/L	0.005	SW846-8260
Chloroethane	U	0.005 mg/L	0.005	SW846-8260
Chloromethane	U	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Dibromomethane	U	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	JU	0.005 mg/L	0.005	SW846-8260
Ethyl methacrylate	JU	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	U	0.005 mg/L	0.005	SW846-8260
Methylene chloride	U	0.01 mg/L	0.01	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.01 mg/L	0.01	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.005 mg/L	0.005	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	JU	25 mg/L	25	EPA-410.4 1978
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.05 mg/L	0.05	SW846-9020B
Turbidity		32 NTU	0.5	EPA-180.1 1978

**MW265**

**SG99-03**

**C-746 S&T QUARTERLY SG99-03**

**5196-99**

Collected: 4/5/1999

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		23.2	mg/L		2	EPA-300.0
Nitrate as Nitrogen	U	1	mg/L		1	EPA-300.0
<b>Field P</b>						
Barometric Pressure Reading		29.88	Inches/Hg			
Conductivity		324	umho/cm			
Depth to Water		40.01	ft			
Dissolved Oxygen		1.2	mg/L			
pH		6.3	Std Unit			
Temperature		60.5	deg F			
<b>METAL</b>						
Barium		0.16	mg/L		0.05	SW846-6010A
Beryllium	U	0.005	mg/L		0.005	SW846-6010A
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium		0.21	mg/L		0.05	SW846-6010A
Cobalt	U	0.01	mg/L		0.01	SW846-6010A
Copper	BU	0.05	mg/L		0.05	SW846-6010A
Iron	*N	1.45	mg/L		0.2	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel		0.11	mg/L		0.05	SW846-6010A
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Silver	U	0.05	mg/L		0.05	SW846-6010A
Sodium		38.2	mg/L		2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.1	mg/L		0.1	SW846-6010A
Zinc	BU	0.2	mg/L		0.2	SW846-6010A
<b>METAL-D</b>						
Barium	N	0.16	mg/L		0.05	SW846-6010A
Chromium	U	0.05	mg/L		0.05	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		181	mg/L		100	EPA-160.2
<b>RADS</b>						
Alpha activity	A	0.43	pCi/L	0.26	5.18	EPA-900.0
Beta activity		9.64	pCi/L	1.85	6.32	EPA-900.0
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260



**MW265****SG99-03****C-746 S&T QUARTERLY SG99-03**

2-Chloroethyl vinyl ether	JU	0.01 mg/L	0.01	SW846-8260
2-Hexanone	U	0.01 mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01 mg/L	0.01	SW846-8260
Acetone	U	0.01 mg/L	0.01	SW846-8260
Acrolein	JU	0.01 mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01 mg/L	0.01	SW846-8260
Benzene	UY	0.005 mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromoform	U	0.005 mg/L	0.005	SW846-8260
Bromomethane	U	0.005 mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005 mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	0.005	SW846-8260
Chlorobenzene	UY	0.005 mg/L	0.005	SW846-8260
Chloroethane	U	0.005 mg/L	0.005	SW846-8260
Chloromethane	U	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Dibromomethane	U	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	JU	0.005 mg/L	0.005	SW846-8260
Ethyl methacrylate	JU	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	U	0.005 mg/L	0.005	SW846-8260
Methylene chloride	U	0.01 mg/L	0.01	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.01 mg/L	0.01	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene		0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.005 mg/L	0.005	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	JU	25 mg/L	25	EPA-410.4 1978
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.05 mg/L	0.05	SW846-9020B
Turbidity		12 NTU	0.5	EPA-180.1 1978

MW266

SG99-03

C-746 S&T QUARTERLY SG99-03

5197-99

Collected: 4/7/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		48.2	mg/L		2	EPA-300.0
Nitrate as Nitrogen		1.2	mg/L		1	EPA-300.0
<b>Field P</b>						
Barometric Pressure Reading		30.18	Inches/Hg			
Conductivity		547	umho/cm			
Depth to Water		36.5	ft			
Dissolved Oxygen		1.08	mg/L			
pH		6.04	Std Unit			
Temperature		62	deg F			
<b>METAL</b>						
Barium		0.05	mg/L		0.05	SW846-6010A
Beryllium	U	0.005	mg/L		0.005	SW846-6010A
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium		0.7	mg/L		0.05	SW846-6010A
Cobalt	U	0.01	mg/L		0.01	SW846-6010A
Copper	BU	0.05	mg/L		0.05	SW846-6010A
Iron	*N	5.74	mg/L		0.2	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Silver	U	0.05	mg/L		0.05	SW846-6010A
Sodium		35.4	mg/L		2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.1	mg/L		0.1	SW846-6010A
Zinc	BU	0.2	mg/L		0.2	SW846-6010A
<b>METAL-D</b>						
Barium	NU	0.05	mg/L		0.05	SW846-6010A
Chromium	U	0.05	mg/L		0.05	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		328	mg/L		100	EPA-160.2
<b>RADS</b>						
Alpha activity	A	1.32	pCi/L	1.08	4.49	EPA-900.0
Beta activity		25.1	pCi/L	4.3	7.54	EPA-900.0
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260

**MW266****SG99-03****C-746 S&T QUARTERLY SG99-03**

2-Chloroethyl vinyl ether	JU	0.01 mg/L	0.01	SW846-8260
2-Hexanone	U	0.01 mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01 mg/L	0.01	SW846-8260
Acetone	U	0.01 mg/L	0.01	SW846-8260
Acrolein	JU	0.01 mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01 mg/L	0.01	SW846-8260
Benzene	UY	0.005 mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromoform	U	0.005 mg/L	0.005	SW846-8260
Bromomethane	U	0.005 mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005 mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	0.005	SW846-8260
Chlorobenzene	UY	0.005 mg/L	0.005	SW846-8260
Chloroethane	U	0.005 mg/L	0.005	SW846-8260
Chloromethane	U	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Dibromomethane	U	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	JU	0.005 mg/L	0.005	SW846-8260
Ethyl methacrylate	JU	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	U	0.005 mg/L	0.005	SW846-8260
Methylene chloride	U	0.01 mg/L	0.01	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.01 mg/L	0.01	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene		0.004 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.005 mg/L	0.005	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	NU	25 mg/L	25	EPA-410.4 1978
Total Organic Carbon (TOC)		1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.05 mg/L	0.05	SW846-9020B
Turbidity		32 NTU	0.5	EPA-180.1 1978

**MW267**  
**SG99-03**  
**5198-99**

**C-746 S&T QUARTERLY SG99-03**

Collected: 4/8/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		65.2	mg/L		2	EPA-300.0
Nitrate as Nitrogen	N	2.9	mg/L		1	EPA-300.0
<b>Field P</b>						
Barometric Pressure Reading		29.97	Inches/Hg			
Conductivity		510	umho/cm			
Depth to Water		51.75	ft			
Dissolved Oxygen		2.16	mg/L			
pH		5.92	Std Unit			
Temperature		61	deg F			
<b>METAL</b>						
Barium		0.2	mg/L		0.05	SW846-6010A
Beryllium	U	0.005	mg/L		0.005	SW846-6010A
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium		0.1	mg/L		0.05	SW846-6010A
Cobalt	U	0.01	mg/L		0.01	SW846-6010A
Copper	BU	0.05	mg/L		0.05	SW846-6010A
Iron	*N	0.61	mg/L		0.2	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Silver	U	0.05	mg/L		0.05	SW846-6010A
Sodium		49.8	mg/L		2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.1	mg/L		0.1	SW846-6010A
Zinc	BU	0.2	mg/L		0.2	SW846-6010A
<b>METAL-D</b>						
Barium	N	0.2	mg/L		0.05	SW846-6010A
Chromium	U	0.05	mg/L		0.05	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		251	mg/L		100	EPA-160.2
<b>RADS</b>						
Alpha activity	A	3.65	pCi/L	1.95	4.25	EPA-900.0
Beta activity		29.78	pCi/L	4.61	7.27	EPA-900.0
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260

**MW267****SG99-03****C-746 S&T QUARTERLY SG99-03**

2-Chloroethyl vinyl ether	JU	0.01 mg/L	0.01	SW846-8260
2-Hexanone	U	0.01 mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01 mg/L	0.01	SW846-8260
Acetone	U	0.01 mg/L	0.01	SW846-8260
Acrolein	JU	0.01 mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01 mg/L	0.01	SW846-8260
Benzene	U	0.005 mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromoform	U	0.005 mg/L	0.005	SW846-8260
Bromomethane	U	0.005 mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005 mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005 mg/L	0.005	SW846-8260
Chloroethane	U	0.005 mg/L	0.005	SW846-8260
Chloromethane	U	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Dibromomethane	U	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005 mg/L	0.005	SW846-8260
Ethyl methacrylate	JU	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	U	0.005 mg/L	0.005	SW846-8260
Methylene chloride	U	0.01 mg/L	0.01	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.01 mg/L	0.01	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.005 mg/L	0.005	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	NU	25 mg/L	25	EPA-410.4 1978
Total Organic Carbon (TOC)		1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.05 mg/L	0.05	SW846-9020B
Turbidity	U	0.5 NTU	0.5	EPA-180.1 1978

MW179

SG99-04

C-746 S&amp;T QUARTERLY SG99-04

5350-99

Collected: 7/12/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		33.9	mg/L		2	SW846-9056
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		30.12	Inches/Hg			
Conductivity		800	umho/cm			
Depth to Water		30.5	ft			
Dissolved Oxygen		2.45	mg/L			
pH		6	Std Unit			
Temperature		64.4	deg F			
<b>METAL</b>						
Barium	U	0.05	mg/L		0.05	SW846-6010A
Beryllium	BU	0.005	mg/L		0.005	SW846-6010A
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium	BU	0.05	mg/L		0.05	SW846-6010A
Cobalt	U	0.01	mg/L		0.01	SW846-6010A
Copper	U	0.05	mg/L		0.05	SW846-6010A
Iron	*BN	0.55	mg/L		0.2	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Silver	BU	0.05	mg/L		0.05	SW846-6010A
Sodium		63	mg/L		2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.1	mg/L		0.1	SW846-6010A
Zinc	BU	0.2	mg/L		0.2	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		567	mg/L		100	EPA-160.2
<b>RADS</b>						
Alpha activity	A	-0.47	pCi/L	0.31	2.73	EPA-900.0
Beta activity		13.27	pCi/L	1.89	3.9	EPA-900.0
Technetium-99		25.2	pCi/L	12.6	17.7	RL-7100
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260

## MW179

## SG99-04

## C-746 S&amp;T QUARTERLY SG99-04

Acetone	U	0.01 mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01 mg/L	0.01	SW846-8260
Benzene	U	0.005 mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromoform	U	0.005 mg/L	0.005	SW846-8260
Bromomethane	U	0.005 mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005 mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005 mg/L	0.005	SW846-8260
Chloroethane	U	0.005 mg/L	0.005	SW846-8260
Chloromethane	U	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Dibromomethane	U	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005 mg/L	0.005	SW846-8260
Ethyl methacrylate	JU	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	U	0.005 mg/L	0.005	SW846-8260
Methylene chloride	U	0.01 mg/L	0.01	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene		0.005 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01 mg/L	0.01	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	BU	25 mg/L	25	EPA-410.4 1978
Total Organic Carbon (TOC)		1.5 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.05 mg/L	0.05	SW846-9020B
Turbidity		4.7 NTU	0.5	EPA-180.1 1978

**MW181**  
**SG99-04**  
**5351-99**

**C-746 S&T QUARTERLY SG99-04**

Collected: 7/12/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		45.7	mg/L		2	SW846-9056
Nitrate as Nitrogen		1.4	mg/L		1	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		30	Inches/Hg			
Conductivity		460	umho/cm			
Depth to Water		42.47	ft			
Dissolved Oxygen		4.76	mg/L			
pH		6.1	Std Unit			
Temperature		64.8	deg F			
<b>METAL</b>						
Barium		0.46	mg/L		0.05	SW846-6010A
Beryllium	BU	0.005	mg/L		0.005	SW846-6010A
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium		1.11	mg/L		0.05	SW846-6010A
Cobalt		0.025	mg/L		0.01	SW846-6010A
Copper	U	0.05	mg/L		0.05	SW846-6010A
Iron	*N	46.2	mg/L		0.2	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel		0.183	mg/L		0.05	SW846-6010A
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Silver	BU	0.05	mg/L		0.05	SW846-6010A
Sodium		48.4	mg/L		2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.1	mg/L		0.1	SW846-6010A
Zinc	BU	0.2	mg/L		0.2	SW846-6010A
<b>METAL-D</b>						
Barium		0.154	mg/L		0.05	SW846-6010A
Chromium	BU	0.05	mg/L		0.05	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		276	mg/L		100	EPA-160.2
<b>RADS</b>						
Alpha activity	A	2.82	pCi/L	1.07	5.9	EPA-900.0
Beta activity		101.86	pCi/L	8.12	7.13	EPA-900.0
Technetium-99		127	pCi/L	15.8	17.7	RL-7100
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260



**MW181****SG99-04****C-746 S&T QUARTERLY SG99-04**

2-Chloroethyl vinyl ether	JU	0.01 mg/L	0.01	SW846-8260
2-Hexanone	U	0.01 mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01 mg/L	0.01	SW846-8260
Acetone	U	0.01 mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01 mg/L	0.01	SW846-8260
Benzene	U	0.005 mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromoform	U	0.005 mg/L	0.005	SW846-8260
Bromomethane	U	0.005 mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005 mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005 mg/L	0.005	SW846-8260
Chloroethane	U	0.005 mg/L	0.005	SW846-8260
Chloromethane	U	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Dibromomethane	U	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005 mg/L	0.005	SW846-8260
Ethyl methacrylate	JU	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	U	0.005 mg/L	0.005	SW846-8260
Methylene chloride	U	0.01 mg/L	0.01	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene		0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01 mg/L	0.01	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	BU	25 mg/L	25	EPA-410.4 1978
Total Organic Carbon (TOC)		1.5 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.05 mg/L	0.05	SW846-9020B
Turbidity		700 NTU	0.5	EPA-180.1 1978

## MW220

## SG99-04

## C-746 S&amp;T QUARTERLY SG99-04

## 5352-99

Collected: 7/12/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		39.6	mg/L		2	SW846-9056
Nitrate as Nitrogen		1.7	mg/L		1	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		30	Inches/Hg			
Conductivity		357	umho/cm			
Depth to Water		52.75	ft			
Dissolved Oxygen		5.22	mg/L			
pH		6.2	Std Unit			
Temperature		62.6	deg F			
<b>METAL</b>						
Barium		0.203	mg/L		0.05	SW846-6010A
Beryllium	BU	0.005	mg/L		0.005	SW846-6010A
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium	BU	0.05	mg/L		0.05	SW846-6010A
Cobalt	U	0.01	mg/L		0.01	SW846-6010A
Copper	U	0.05	mg/L		0.05	SW846-6010A
Iron	*BNU	0.2	mg/L		0.2	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel		0.65	mg/L		0.05	SW846-6010A
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Silver	BU	0.05	mg/L		0.05	SW846-6010A
Sodium		36.4	mg/L		2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.1	mg/L		0.1	SW846-6010A
Zinc	BU	0.2	mg/L		0.2	SW846-6010A
<b>METAL-D</b>						
Barium		0.199	mg/L		0.05	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		215	mg/L		100	EPA-160.2
<b>RADS</b>						
Alpha activity	A	-0.49	pCi/L	0.33	4.91	EPA-900.0
Beta activity		10.29	pCi/L	1.82	6.3	EPA-900.0
Technetium-99		26.1	pCi/L	13.1	17.7	RL-7100
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L		0.01	SW846-8260

**MW220****SG99-04****C-746 S&T QUARTERLY SG99-04**

2-Hexanone	U	0.01 mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01 mg/L	0.01	SW846-8260
Acetone	U	0.01 mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01 mg/L	0.01	SW846-8260
Benzene	UY	0.005 mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromoform	U	0.005 mg/L	0.005	SW846-8260
Bromomethane	U	0.005 mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005 mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005 mg/L	0.005	SW846-8260
Chloroethane	U	0.005 mg/L	0.005	SW846-8260
Chloromethane	U	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Dibromomethane	U	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005 mg/L	0.005	SW846-8260
Ethyl methacrylate	JU	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	U	0.005 mg/L	0.005	SW846-8260
Methylene chloride	U	0.01 mg/L	0.01	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	UY	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01 mg/L	0.01	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	BU	25 mg/L	25	EPA-410.4 1978
Total Organic Carbon (TOC)		1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.05 mg/L	0.05	SW846-9020B
Turbidity		0.75 NTU	0.5	EPA-180.1 1978

**MW221**  
**SG99-04**  
**5353-99**

**C-746 S&T QUARTERLY SG99-04**

Collected: 7/12/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		45.1	mg/L		2	SW846-9056
Nitrate as Nitrogen		1.5	mg/L		1	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		30.12	Inches/Hg			
Conductivity		420	umho/cm			
Depth to Water		62.46	ft			
Dissolved Oxygen		4.94	mg/L			
pH		5.95	Std Unit			
Temperature		63.6	deg F			
<b>METAL</b>						
Barium		0.24	mg/L		0.05	SW846-6010A
Beryllium	BU	0.005	mg/L		0.005	SW846-6010A
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium	B	0.06	mg/L		0.05	SW846-6010A
Cobalt	U	0.01	mg/L		0.01	SW846-6010A
Copper	U	0.05	mg/L		0.05	SW846-6010A
Iron	*BN	0.431	mg/L		0.2	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel		0.101	mg/L		0.05	SW846-6010A
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Silver	BU	0.05	mg/L		0.05	SW846-6010A
Sodium		42.7	mg/L		2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.1	mg/L		0.1	SW846-6010A
Zinc	BU	0.2	mg/L		0.2	SW846-6010A
<b>METAL-D</b>						
Barium		0.238	mg/L		0.05	SW846-6010A
Chromium	BU	0.05	mg/L		0.05	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		241	mg/L		100	EPA-160.2
<b>RADS</b>						
Alpha activity	A	2.07	pCi/L	0.97	5.29	EPA-900.0
Beta activity		10.64	pCi/L	1.89	6.64	EPA-900.0
Technetium-99		30.3	pCi/L	13.1	17.7	RL-7100
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260

**MW221****SG99-04****C-746 S&T QUARTERLY SG99-04**

2-Chloroethyl vinyl ether	JU	0.01 mg/L	0.01	SW846-8260
2-Hexanone	U	0.01 mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01 mg/L	0.01	SW846-8260
Acetone	U	0.01 mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01 mg/L	0.01	SW846-8260
Benzene	U	0.005 mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromoform	U	0.005 mg/L	0.005	SW846-8260
Bromomethane	U	0.005 mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005 mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005 mg/L	0.005	SW846-8260
Chloroethane	U	0.005 mg/L	0.005	SW846-8260
Chloromethane	U	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Dibromomethane	U	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005 mg/L	0.005	SW846-8260
Ethyl methacrylate	JU	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	U	0.005 mg/L	0.005	SW846-8260
Methylene chloride	U	0.01 mg/L	0.01	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene		0.003 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01 mg/L	0.01	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	BU	25 mg/L	25	EPA-410.4 1978
Total Organic Carbon (TOC)		1.1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.05 mg/L	0.05	SW846-9020B
Turbidity		2.3 NTU	0.5	EPA-180.1 1978

MW222

SG99-04

C-746 S&amp;T QUARTERLY SG99-04

5354-99

Collected: 7/12/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		39.5	mg/L		2	SW846-9056
Nitrate as Nitrogen		1.7	mg/L		1	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		30.12	Inches/Hg			
Conductivity		421	umho/cm			
Depth to Water		66.39	ft			
Dissolved Oxygen		1.75	mg/L			
pH		5.9	Std Unit			
Temperature		64.3	deg F			
<b>METAL</b>						
Barium		0.296	mg/L		0.05	SW846-6010A
Beryllium	BU	0.005	mg/L		0.005	SW846-6010A
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium	B	0.064	mg/L		0.05	SW846-6010A
Cobalt		0.01	mg/L		0.01	SW846-6010A
Copper	U	0.05	mg/L		0.05	SW846-6010A
Iron	*N	1.03	mg/L		0.2	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel		0.883	mg/L		0.05	SW846-6010A
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Silver	BU	0.05	mg/L		0.05	SW846-6010A
Sodium		47	mg/L		2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.1	mg/L		0.1	SW846-6010A
Zinc	BU	0.2	mg/L		0.2	SW846-6010A
<b>METAL-D</b>						
Barium		0.298	mg/L		0.05	SW846-6010A
Chromium	BU	0.05	mg/L		0.05	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids	*	275	mg/L		100	EPA-160.2
<b>RADS</b>						
Alpha activity	A	1.84	pCi/L	0.89	5.43	EPA-900.0
Beta activity		7.97	pCi/L	1.52	6.76	EPA-900.0
Technetium-99		21	pCi/L	12.8	17.7	RL-7100
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260

**MW222****SG99-04****C-746 S&T QUARTERLY SG99-04**

2-Chloroethyl vinyl ether	JU	0.01 mg/L	0.01	SW846-8260
2-Hexanone	U	0.01 mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01 mg/L	0.01	SW846-8260
Acetone	U	0.01 mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01 mg/L	0.01	SW846-8260
Benzene	U	0.005 mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromoform	U	0.005 mg/L	0.005	SW846-8260
Bromomethane	U	0.005 mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005 mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005 mg/L	0.005	SW846-8260
Chloroethane	U	0.005 mg/L	0.005	SW846-8260
Chloromethane	U	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Dibromomethane	U	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005 mg/L	0.005	SW846-8260
Ethyl methacrylate	JU	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	U	0.005 mg/L	0.005	SW846-8260
Methylene chloride	U	0.01 mg/L	0.01	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01 mg/L	0.01	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	BU	25 mg/L	25	EPA-410.4 1978
Total Organic Carbon (TOC)		1.2 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.05 mg/L	0.05	SW846-9020B
Turbidity		14 NTU	0.5	EPA-180.1 1978

MW223

SG99-04

C-746 S&amp;T QUARTERLY SG99-04

5355-99

Collected: 7/12/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		45.5	mg/L		2	SW846-9056
Nitrate as Nitrogen		1.7	mg/L		1	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		30.12	Inches/Hg			
Conductivity		414	umho/cm			
Depth to Water		65.6	ft			
Dissolved Oxygen		4.38	mg/L			
pH		6.06	Std Unit			
Temperature		64.2	deg F			
<b>METAL</b>						
Barium		0.215	mg/L		0.05	SW846-6010A
Beryllium	BU	0.005	mg/L		0.005	SW846-6010A
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium	BU	0.05	mg/L		0.05	SW846-6010A
Cobalt	U	0.01	mg/L		0.01	SW846-6010A
Copper	U	0.05	mg/L		0.05	SW846-6010A
Iron	*BN	0.449	mg/L		0.2	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel		0.726	mg/L		0.05	SW846-6010A
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Silver	BU	0.05	mg/L		0.05	SW846-6010A
Sodium		43	mg/L		2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.1	mg/L		0.1	SW846-6010A
Zinc	BU	0.2	mg/L		0.2	SW846-6010A
<b>METAL-D</b>						
Barium		0.209	mg/L		0.05	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		247	mg/L		100	EPA-160.2
<b>RADS</b>						
Alpha activity	A	-1.83	pCi/L	1.63	5.13	EPA-900.0
Beta activity		12.38	pCi/L	2.1	6.5	EPA-900.0
Technetium-99	A	8.29	pCi/L	11.9	17.7	RL-7100
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L		0.01	SW846-8260



**MW223****SG99-04****C-746 S&T QUARTERLY SG99-04**

2-Hexanone	U	0.01 mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01 mg/L	0.01	SW846-8260
Acetone	U	0.01 mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01 mg/L	0.01	SW846-8260
Benzene	U	0.005 mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromoform	U	0.005 mg/L	0.005	SW846-8260
Bromomethane	U	0.005 mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005 mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005 mg/L	0.005	SW846-8260
Chloroethane	U	0.005 mg/L	0.005	SW846-8260
Chloromethane	U	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Dibromomethane	U	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005 mg/L	0.005	SW846-8260
Ethyl methacrylate	JU	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	U	0.005 mg/L	0.005	SW846-8260
Methylene chloride	U	0.01 mg/L	0.01	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01 mg/L	0.01	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	BU	25 mg/L	25	EPA-410.4 1978
Total Organic Carbon (TOC)		1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.05 mg/L	0.05	SW846-9020B
Turbidity		3.4 NTU	0.5	EPA-180.1 1978

MW224

SG99-04

C-746 S&amp;T QUARTERLY SG99-04

5356-99

Collected: 7/13/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		43.4	mg/L		2	SW846-9056
Nitrate as Nitrogen		1.7	mg/L		1	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		30.12	Inches/Hg			
Conductivity		451	umho/cm			
Depth to Water		66.91	ft			
Dissolved Oxygen		4.72	mg/L			
pH		6.02	Std Unit			
Temperature		62.4	deg F			
<b>METAL</b>						
Barium		0.226	mg/L		0.05	SW846-6010A
Beryllium	BU	0.005	mg/L		0.005	SW846-6010A
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium	BU	0.05	mg/L		0.05	SW846-6010A
Cobalt	U	0.01	mg/L		0.01	SW846-6010A
Copper	U	0.05	mg/L		0.05	SW846-6010A
Iron	*BNU	0.2	mg/L		0.2	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Silver	BU	0.05	mg/L		0.05	SW846-6010A
Sodium		47.1	mg/L		2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.1	mg/L		0.1	SW846-6010A
Zinc	BU	0.2	mg/L		0.2	SW846-6010A
<b>METAL-D</b>						
Barium		0.228	mg/L		0.05	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		273	mg/L		100	EPA-160.2
<b>RADS</b>						
Alpha activity	A	1.48	pCi/L	0.77	5.8	EPA-900.0
Beta activity	A	4.27	pCi/L	0.91	7.06	EPA-900.0
Technetium-99	A	12.6	pCi/L	12.2	17.7	RL-7100
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L		0.01	SW846-8260

**MW224****SG99-04****C-746 S&T QUARTERLY SG99-04**

2-Hexanone	U	0.01 mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01 mg/L	0.01	SW846-8260
Acetone	U	0.01 mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01 mg/L	0.01	SW846-8260
Benzene	UY	0.005 mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromoform	U	0.005 mg/L	0.005	SW846-8260
Bromomethane	U	0.005 mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005 mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005 mg/L	0.005	SW846-8260
Chloroethane	U	0.005 mg/L	0.005	SW846-8260
Chloromethane	U	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Dibromomethane	U	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005 mg/L	0.005	SW846-8260
Ethyl methacrylate	JU	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	U	0.005 mg/L	0.005	SW846-8260
Methylene chloride	U	0.01 mg/L	0.01	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	UY	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene		0.002 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01 mg/L	0.01	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Total Organic Carbon (TOC)		1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.05 mg/L	0.05	SW846-9020B
Turbidity	U	0.5 NTU	0.5	EPA-180.1 1978

## MW263

## SG99-04

## C-746 S&amp;T QUARTERLY SG99-04

## 5357-99

Collected: 7/13/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		45	mg/L		2	SW846-9056
Nitrate as Nitrogen		1.6	mg/L		1	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		30.15	Inches/Hg			
Conductivity		526	umho/cm			
Depth to Water		31.43	ft			
Dissolved Oxygen		1.61	mg/L			
pH		6.09	Std Unit			
Temperature		63.6	deg F			
<b>METAL</b>						
Barium		0.061	mg/L		0.05	SW846-6010A
Beryllium	BU	0.005	mg/L		0.005	SW846-6010A
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium	B	0.086	mg/L		0.05	SW846-6010A
Cobalt	U	0.01	mg/L		0.01	SW846-6010A
Copper	U	0.05	mg/L		0.05	SW846-6010A
Iron	*BN	0.306	mg/L		0.2	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Silver	BU	0.05	mg/L		0.05	SW846-6010A
Sodium		43.2	mg/L		2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.1	mg/L		0.1	SW846-6010A
Zinc	BU	0.2	mg/L		0.2	SW846-6010A
<b>METAL-D</b>						
Barium		0.058	mg/L		0.05	SW846-6010A
Chromium	BU	0.05	mg/L		0.05	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		320	mg/L		100	EPA-160.2
<b>RADS</b>						
Alpha activity	A	1.07	pCi/L	0.52	6.03	EPA-900.0
Beta activity		37.49	pCi/L	4.57	7.23	EPA-900.0
Technetium-99		46.4	pCi/L	13.4	17.7	RL-7100
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260

**MW263****SG99-04****C-746 S&T QUARTERLY SG99-04**

2-Chloroethyl vinyl ether	U	0.01 mg/L	0.01	SW846-8260
2-Hexanone	U	0.01 mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01 mg/L	0.01	SW846-8260
Acetone	U	0.01 mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01 mg/L	0.01	SW846-8260
Benzene	UY	0.005 mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromoform	U	0.005 mg/L	0.005	SW846-8260
Bromomethane	U	0.005 mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005 mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005 mg/L	0.005	SW846-8260
Chloroethane	U	0.005 mg/L	0.005	SW846-8260
Chloromethane	U	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Dibromomethane	U	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005 mg/L	0.005	SW846-8260
Ethyl methacrylate	JU	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	U	0.005 mg/L	0.005	SW846-8260
Methylene chloride	U	0.01 mg/L	0.01	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	UY	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene		0.018 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01 mg/L	0.01	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Total Organic Carbon (TOC)		1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.05 mg/L	0.05	SW846-9020B
Turbidity		2.8 NTU	0.5	EPA-180.1 1978

## MW264

## SG99-04

## C-746 S&amp;T QUARTERLY SG99-04

## 5358-99

Collected: 7/13/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		42.9	mg/L		2	SW846-9056
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.97	Inches/Hg			
Conductivity		538	umho/cm			
Depth to Water		36.85	ft			
Dissolved Oxygen		1.09	mg/L			
pH		6.39	Std Unit			
Temperature		62.9	deg F			
<b>METAL</b>						
Barium		0.176	mg/L		0.05	SW846-6010A
Beryllium	BU	0.005	mg/L		0.005	SW846-6010A
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium	BU	0.05	mg/L		0.05	SW846-6010A
Cobalt	U	0.01	mg/L		0.01	SW846-6010A
Copper	U	0.05	mg/L		0.05	SW846-6010A
Iron	*BN	0.331	mg/L		0.2	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Silver	BU	0.05	mg/L		0.05	SW846-6010A
Sodium		42.8	mg/L		2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.1	mg/L		0.1	SW846-6010A
Zinc	BU	0.2	mg/L		0.2	SW846-6010A
<b>METAL-D</b>						
Barium		0.167	mg/L		0.05	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		305	mg/L		100	EPA-160.2
<b>RADS</b>						
Alpha activity	A	2.35	pCi/L	1.11	5.91	EPA-900.0
Beta activity		10.03	pCi/L	1.84	7.14	EPA-900.0
Technetium-99	A	5.35	pCi/L	12.3	17.7	RL-7100
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L		0.01	SW846-8260

**MW264****SG99-04****C-746 S&T QUARTERLY SG99-04**

2-Hexanone	U	0.01 mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01 mg/L	0.01	SW846-8260
Acetone	U	0.01 mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01 mg/L	0.01	SW846-8260
Benzene	UY	0.005 mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromoform	U	0.005 mg/L	0.005	SW846-8260
Bromomethane	U	0.005 mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005 mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005 mg/L	0.005	SW846-8260
Chloroethane	U	0.005 mg/L	0.005	SW846-8260
Chloromethane	U	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Dibromomethane	U	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005 mg/L	0.005	SW846-8260
Ethyl methacrylate	JU	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	U	0.005 mg/L	0.005	SW846-8260
Methylene chloride	U	0.01 mg/L	0.01	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	UY	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene		0.003 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01 mg/L	0.01	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	BU	25 mg/L	25	EPA-410.4 1978
Total Organic Carbon (TOC)		1.1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.05 mg/L	0.05	SW846-9020B
Turbidity		4.7 NTU	0.5	EPA-180.1 1978

**MW265**  
**SG99-04**  
**5359-99**

**C-746 S&T QUARTERLY SG99-04**

Collected: 7/13/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		34.6	mg/L		2	SW846-9056
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		30	Inches/Hg			
Conductivity		356	umho/cm			
Depth to Water		40	ft			
Dissolved Oxygen		3.16	mg/L			
pH		6.22	Std Unit			
Temperature		62.4	deg F			
<b>METAL</b>						
Barium		0.215	mg/L		0.05	SW846-6010A
Beryllium	BU	0.005	mg/L		0.005	SW846-6010A
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium		1.8	mg/L		0.05	SW846-6010A
Cobalt	U	0.01	mg/L		0.01	SW846-6010A
Copper	U	0.05	mg/L		0.05	SW846-6010A
Iron	*N	10.9	mg/L		0.2	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel		0.144	mg/L		0.05	SW846-6010A
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Silver	BU	0.05	mg/L		0.05	SW846-6010A
Sodium		36.6	mg/L		2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.1	mg/L		0.1	SW846-6010A
Zinc	BU	0.2	mg/L		0.2	SW846-6010A
<b>METAL-D</b>						
Barium		0.191	mg/L		0.05	SW846-6010A
Chromium	BU	0.05	mg/L		0.05	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		215	mg/L		100	EPA-160.2
<b>RADS</b>						
Alpha activity	A	0.26	pCi/L	0.15	5.26	EPA-900.0
Beta activity		9.09	pCi/L	1.67	6.61	EPA-900.0
Technetium-99	A	5.29	pCi/L	12.7	17.7	RL-7100
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260



**MW265****SG99-04****C-746 S&T QUARTERLY SG99-04**

2-Chloroethyl vinyl ether	JU	0.01 mg/L	0.01	SW846-8260
2-Hexanone	U	0.01 mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01 mg/L	0.01	SW846-8260
Acetone	U	0.01 mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01 mg/L	0.01	SW846-8260
Benzene	UY	0.005 mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromoform	U	0.005 mg/L	0.005	SW846-8260
Bromomethane	U	0.005 mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005 mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005 mg/L	0.005	SW846-8260
Chloroethane	U	0.005 mg/L	0.005	SW846-8260
Chloromethane	U	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Dibromomethane	U	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005 mg/L	0.005	SW846-8260
Ethyl methacrylate	JU	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	U	0.005 mg/L	0.005	SW846-8260
Methylene chloride	U	0.01 mg/L	0.01	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	UY	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene		0.004 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01 mg/L	0.01	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Total Organic Carbon (TOC)		1.7 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.05 mg/L	0.05	SW846-9020B
Turbidity		75 NTU	0.5	EPA-180.1 1978

MW266

SG99-04

C-746 S&amp;T QUARTERLY SG99-04

5360-99

Collected: 7/13/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		41.6	mg/L		2	SW846-9056
Nitrate as Nitrogen		1.1	mg/L		1	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.97	Inches/Hg			
Conductivity		520	umho/cm			
Depth to Water		36.5	ft			
Dissolved Oxygen		1.45	mg/L			
pH		6.12	Std Unit			
Temperature		64.1	deg F			
<b>METAL</b>						
Barium	U	0.05	mg/L		0.05	SW846-6010A
Beryllium	BU	0.005	mg/L		0.005	SW846-6010A
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium		0.762	mg/L		0.05	SW846-6010A
Cobalt	U	0.01	mg/L		0.01	SW846-6010A
Copper	U	0.05	mg/L		0.05	SW846-6010A
Iron	*N	4.98	mg/L		0.2	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Silver	BU	0.05	mg/L		0.05	SW846-6010A
Sodium		29.6	mg/L		2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.1	mg/L		0.1	SW846-6010A
Zinc	BU	0.2	mg/L		0.2	SW846-6010A
<b>METAL-D</b>						
Chromium	BU	0.05	mg/L		0.05	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		342	mg/L		100	EPA-160.2
<b>RADS</b>						
Alpha activity	A	0.72	pCi/L	0.4	5.84	EPA-900.0
Beta activity		9.1	pCi/L	1.71	7.09	EPA-900.0
Technetium-99	A	0.661	pCi/L	11.5	17.7	RL-7100
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L		0.01	SW846-8260

## MW266

## SG99-04

## C-746 S&amp;T QUARTERLY SG99-04

2-Hexanone	U	0.01 mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01 mg/L	0.01	SW846-8260
Acetone	U	0.01 mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01 mg/L	0.01	SW846-8260
Benzene	UY	0.005 mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromoform	U	0.005 mg/L	0.005	SW846-8260
Bromomethane	U	0.005 mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005 mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005 mg/L	0.005	SW846-8260
Chloroethane	U	0.005 mg/L	0.005	SW846-8260
Chloromethane	U	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Dibromomethane	U	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005 mg/L	0.005	SW846-8260
Ethyl methacrylate	JU	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	U	0.005 mg/L	0.005	SW846-8260
Methylene chloride	U	0.01 mg/L	0.01	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	UY	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene		0.006 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01 mg/L	0.01	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Total Organic Carbon (TOC)		1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.05 mg/L	0.05	SW846-9020B
Turbidity		32 NTU	0.5	EPA-180.1 1978

**MW267**  
**SG99-04**  
**5361-99**

**C-746 S&T QUARTERLY SG99-04**

Collected: 7/12/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		51	mg/L		2	SW846-9056
Nitrate as Nitrogen		2.6	mg/L		1	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		30	Inches/Hg			
Conductivity		419	umho/cm			
Depth to Water		51.8	ft			
Dissolved Oxygen		3.06	mg/L			
pH		6.1	Std Unit			
Temperature		64.4	deg F			
<b>METAL</b>						
Barium		0.208	mg/L		0.05	SW846-6010A
Beryllium	BU	0.005	mg/L		0.005	SW846-6010A
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium	BU	0.05	mg/L		0.05	SW846-6010A
Cobalt	U	0.01	mg/L		0.01	SW846-6010A
Copper	U	0.05	mg/L		0.05	SW846-6010A
Iron	*BNU	0.2	mg/L		0.2	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Silver	BU	0.05	mg/L		0.05	SW846-6010A
Sodium		40.3	mg/L		2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.1	mg/L		0.1	SW846-6010A
Zinc	BU	0.2	mg/L		0.2	SW846-6010A
<b>METAL-D</b>						
Barium		0.201	mg/L		0.05	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		232	mg/L		100	EPA-160.2
<b>RADS</b>						
Alpha activity	A	-0.58	pCi/L	0.34	5.17	EPA-900.0
Beta activity		35.56	pCi/L	4.26	6.53	EPA-900.0
Technetium-99		32.6	pCi/L	13.2	17.7	RL-7100
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L		0.01	SW846-8260

**MW267****SG99-04****C-746 S&T QUARTERLY SG99-04**

2-Hexanone	U	0.01 mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01 mg/L	0.01	SW846-8260
Acetone	U	0.01 mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01 mg/L	0.01	SW846-8260
Benzene	U	0.005 mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromoform	U	0.005 mg/L	0.005	SW846-8260
Bromomethane	U	0.005 mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005 mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005 mg/L	0.005	SW846-8260
Chloroethane	U	0.005 mg/L	0.005	SW846-8260
Chloromethane	U	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Dibromomethane	U	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005 mg/L	0.005	SW846-8260
Ethyl methacrylate	JU	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	U	0.005 mg/L	0.005	SW846-8260
Methylene chloride	U	0.01 mg/L	0.01	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01 mg/L	0.01	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	BU	25 mg/L	25	EPA-410.4 1978
Total Organic Carbon (TOC)		1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.05 mg/L	0.05	SW846-9020B
Turbidity		0.75 NTU	0.5	EPA-180.1 1978

MW267

SG99-04

C-746 S&amp;T QUARTERLY SG99-04

5362-99

Collected: 7/12/1999

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		52.6	mg/L		2	SW846-9056
Nitrate as Nitrogen		2.5	mg/L		1	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		30	Inches/Hg			
Conductivity		419	umho/cm			
Depth to Water		51.8	ft			
Dissolved Oxygen		3.06	mg/L			
pH		6.1	Std Unit			
Temperature		64.4	deg F			
<b>METAL</b>						
Barium		0.203	mg/L		0.05	SW846-6010A
Beryllium	BU	0.005	mg/L		0.005	SW846-6010A
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium	BU	0.05	mg/L		0.05	SW846-6010A
Cobalt	U	0.01	mg/L		0.01	SW846-6010A
Copper	U	0.05	mg/L		0.05	SW846-6010A
Iron	*BNU	0.2	mg/L		0.2	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Silver	BU	0.05	mg/L		0.05	SW846-6010A
Sodium		37.5	mg/L		2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.1	mg/L		0.1	SW846-6010A
Zinc	BU	0.2	mg/L		0.2	SW846-6010A
<b>METAL-D</b>						
Barium		0.197	mg/L		0.05	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		223	mg/L		100	EPA-160.2
<b>RADS</b>						
Alpha activity	A	1.42	pCi/L	0.69	4.87	EPA-900.0
Beta activity		14.68	pCi/L	2.35	6.26	EPA-900.0
Technetium-99	A	16.4	pCi/L	12.6	17.7	RL-7100
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L		0.01	SW846-8260

**MW267****SG99-04****C-746 S&T QUARTERLY SG99-04**

2-Hexanone	U	0.01 mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01 mg/L	0.01	SW846-8260
Acetone	U	0.01 mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01 mg/L	0.01	SW846-8260
Benzene	UY	0.005 mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromoform	U	0.005 mg/L	0.005	SW846-8260
Bromomethane	U	0.005 mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005 mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005 mg/L	0.005	SW846-8260
Chloroethane	U	0.005 mg/L	0.005	SW846-8260
Chloromethane	U	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Dibromomethane	U	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005 mg/L	0.005	SW846-8260
Ethyl methacrylate	JU	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	U	0.005 mg/L	0.005	SW846-8260
Methylene chloride	U	0.01 mg/L	0.01	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	UY	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01 mg/L	0.01	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	BU	25 mg/L	25	EPA-410.4 1978
Total Organic Carbon (TOC)		1.1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.05 mg/L	0.05	SW846-9020B
Turbidity		1.2 NTU	0.5	EPA-180.1 1978

**MW265**

**SGC01-01**

**Monitoring Well Corrosion Study**

**MW265CS4-01**

Collected: 10/9/2000

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		34.1	mg/L		2	SW846-9056
Ferrous	U	10	mg/L		10	ASTM-E227
Fluoride		0.2	mg/L		0.1	EPA-340.2
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		11.7	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		30.65	Inches/Hg			
Conductivity		366	umho/cm			
Depth to Water		46.46	ft			
Dissolved Oxygen		2.17	mg/L			
pH		6.33	Std Unit			
Temperature		60.8	deg F			
<b>METAL</b>						
Barium		0.21	mg/L		0.025	SW846-6010A
Beryllium	BU	0.005	mg/L		0.005	SW846-6010A
Cadmium	UW	0.005	mg/L		0.005	SW846-7131
Calcium		22.7	mg/L		1	SW846-6010A
Chromium		0.105	mg/L		0.025	SW846-6010A
Cobalt	U	0.025	mg/L		0.025	SW846-6010A
Copper	BU	0.025	mg/L		0.025	SW846-6010A
Iron		0.866	mg/L		0.2	SW846-6010A
Magnesium		8.98	mg/L		0.025	SW846-6010A
Manganese	U	0.025	mg/L		0.025	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel		0.057	mg/L		0.025	SW846-6010A
Potassium	U	2	mg/L		2	SW846-6010A
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Silver	BU	0.025	mg/L		0.025	SW846-6010A
Sodium		39.5	mg/L		2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	BU	0.025	mg/L		0.025	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		214	mg/L		50	EPA-160.2
<b>RADS</b>						
Alpha activity	U	0	pCi/L	0	190	RL-7119
Beta activity	U	-60	pCi/L	50	210	RL-7119
<b>VOA</b>						
cis-1,2-Dichloroethene	U	0.07	mg/L			SW846-3810 E3R0
trans-1,2-Dichloroethene	U	0.1	mg/L			SW846-3810 E3R0
Trichloroethene	U	0.005	mg/L			SW846-3810 E3R0
Vinyl chloride	U	0.002	mg/L			SW846-3810 E3R0
<b>WETCHEM</b>						
Alkalinity		114	mg/L		10	EPA-310.1
Carbonaceous Biochemical Oxygen D	JU	10	mg/L		10	SM-5210 B
Carbonate as CaCO3	U	10	mg/L		10	SM-2320 B 17
Phosphate as Phosphorous	U	2	mg/L		2	SW846-9056
Silica		13	mg/L		1	EPA-370.1



**MW265**

**SGC01-01**

**Monitoring Well Corrosion Study**

Total Organic Carbon (TOC)

U

1.6 mg/L

1.6 SW846-9060

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MW265

SGC01-01

Monitoring Well Corrosion Study

MW265CS1-01

Collected: 10/10/2000

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		41.5	mg/L		2	SW846-9056
Ferrous	U	10	mg/L		10	ASTM-E227
Fluoride		0.2	mg/L		0.1	EPA-340.2
Nitrate as Nitrogen		1	mg/L		1	SW846-9056
Sulfate		19	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		30.5	Inches/Hg			
Conductivity		390	umho/cm			
Depth to Water		46.34	ft			
Dissolved Oxygen		13.74	mg/L			
pH		6.9	Std Unit			
Temperature		58.8	deg F			
<b>METAL</b>						
Barium		0.215	mg/L		0.025	SW846-6010A
Beryllium	BU	0.005	mg/L		0.005	SW846-6010A
Cadmium	UW	0.005	mg/L		0.005	SW846-7131
Calcium		23.5	mg/L		1	SW846-6010A
Chromium		0.447	mg/L		0.025	SW846-6010A
Cobalt	U	0.025	mg/L		0.025	SW846-6010A
Copper	B	0.025	mg/L		0.025	SW846-6010A
Iron		2.66	mg/L		0.2	SW846-6010A
Magnesium		9.33	mg/L		0.025	SW846-6010A
Manganese		0.165	mg/L		0.025	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel		0.507	mg/L		0.025	SW846-6010A
Potassium		2.26	mg/L		2	SW846-6010A
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Silver	BU	0.025	mg/L		0.025	SW846-6010A
Sodium		43.7	mg/L		2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	BU	0.025	mg/L		0.025	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		216	mg/L		50	EPA-160.2
<b>RADS</b>						
Alpha activity	U	20	pCi/L	20	160	RL-7119
Beta activity	U	10	pCi/L	10	160	RL-7119
<b>VOA</b>						
cis-1,2-Dichloroethene	U	0.07	mg/L			SW846-3810 E3R0
trans-1,2-Dichloroethene	U	0.1	mg/L			SW846-3810 E3R0
Trichloroethene		0.028	mg/L			SW846-3810 E3R0
Vinyl chloride	U	0.002	mg/L			SW846-3810 E3R0
<b>WETCHEM</b>						
Alkalinity		110	mg/L		10	EPA-310.1
Carbonaceous Biochemical Oxygen D	JU	10	mg/L		10	SM-5210 B
Carbonate as CaCO3	U	10	mg/L		10	SM-2320 B 17
Phosphate as Phosphorous	U	2	mg/L		2	SW846-9056
Silica		13	mg/L		1	EPA-370.1

**MW265**

**SGC01-01**

**Monitoring Well Corrosion Study**

Total Organic Carbon (TOC)

U

1.6 mg/L

1.6 SW846-9060

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MW265

SGC01-01

Monitoring Well Corrosion Study

MW265CS2-01

Collected: 10/10/2000

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		37	mg/L		2	SW846-9056
Ferrous	U	10	mg/L		10	ASTM-E227
Fluoride		0.2	mg/L		0.1	EPA-340.2
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		14.3	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		30.5	Inches/Hg			
Conductivity		389	umho/cm			
Depth to Water		46.34	ft			
Dissolved Oxygen		3.95	mg/L			
pH		6.73	Std Unit			
Temperature		63.6	deg F			
<b>METAL</b>						
Barium		0.238	mg/L		0.025	SW846-6010A
Beryllium	BU	0.005	mg/L		0.005	SW846-6010A
Cadmium	UW	0.005	mg/L		0.005	SW846-7131
Calcium		24.4	mg/L		1	SW846-6010A
Chromium		1.35	mg/L		0.025	SW846-6010A
Cobalt	U	0.025	mg/L		0.025	SW846-6010A
Copper	B	0.032	mg/L		0.025	SW846-6010A
Iron		7.05	mg/L		0.2	SW846-6010A
Magnesium		9.51	mg/L		0.025	SW846-6010A
Manganese		0.16	mg/L		0.025	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel		0.346	mg/L		0.025	SW846-6010A
Potassium	U	2	mg/L		2	SW846-6010A
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Silver	BU	0.025	mg/L		0.025	SW846-6010A
Sodium		43.2	mg/L		2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	BU	0.025	mg/L		0.025	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		208	mg/L		50	EPA-160.2
<b>RADS</b>						
Alpha activity	U	0	pCi/L	0	160	RL-7119
Beta activity	U	50	pCi/L	30	160	RL-7119
<b>VOA</b>						
cis-1,2-Dichloroethene	U	0.07	mg/L			SW846-3810 E3R0
trans-1,2-Dichloroethene	U	0.1	mg/L			SW846-3810 E3R0
Trichloroethene	U	0.005	mg/L			SW846-3810 E3R0
Vinyl chloride	U	0.002	mg/L			SW846-3810 E3R0
<b>WETCHEM</b>						
Alkalinity		125	mg/L		10	EPA-310.1
Carbonaceous Biochemical Oxygen D	JU	10	mg/L		10	SM-5210 B
Carbonate as CaCO3	U	10	mg/L		10	SM-2320 B 17
Phosphate as Phosphorous	U	2	mg/L		2	SW846-9056
Silica		13	mg/L		1	EPA-370.1

**MW265**

**SGC01-01**

**Monitoring Well Corrosion Study**

Total Organic Carbon (TOC)

U

1.6 mg/L

1.6 SW846-9060

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## MW265

## SGC01-01

## Monitoring Well Corrosion Study

## MW265CS3-01

Collected: 10/11/2000

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		34.7	mg/L		2	SW846-9056
Ferrous	U	10	mg/L			ASTM-E227
Fluoride		0.2	mg/L		0.1	EPA-340.2
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		12	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		30.47	Inches/Hg			
Conductivity		362	umho/cm			
Depth to Water		46.25	ft			
Dissolved Oxygen		3.35	mg/L			
pH		6.31	Std Unit			
Temperature		58.5	deg F			
<b>METAL</b>						
Barium		0.215	mg/L		0.025	SW846-6010A
Beryllium	BU	0.005	mg/L		0.005	SW846-6010A
Cadmium	UW	0.005	mg/L		0.005	SW846-7131
Calcium		22.6	mg/L		1	SW846-6010A
Chromium		0.123	mg/L		0.025	SW846-6010A
Cobalt	U	0.025	mg/L		0.025	SW846-6010A
Copper	BU	0.025	mg/L		0.025	SW846-6010A
Iron		1.5	mg/L		0.2	SW846-6010A
Magnesium		8.94	mg/L		0.025	SW846-6010A
Manganese	B	0.079	mg/L		0.025	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel		0.135	mg/L		0.025	SW846-6010A
Potassium	U	2	mg/L		2	SW846-6010A
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Silver	BU	0.025	mg/L		0.025	SW846-6010A
Sodium		39.2	mg/L		2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	BU	0.025	mg/L		0.025	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		207	mg/L		50	EPA-160.2
<b>RADS</b>						
Alpha activity	U	-40	pCi/L	70	160	RL-7119
Beta activity	U	30	pCi/L	20	160	RL-7119
<b>VOA</b>						
cis-1,2-Dichloroethene	U	0.07	mg/L			SW846-3810 E3R0
trans-1,2-Dichloroethene	U	0.1	mg/L			SW846-3810 E3R0
Trichloroethene	U	0.005	mg/L			SW846-3810 E3R0
Vinyl chloride	U	0.002	mg/L			SW846-3810 E3R0
<b>WETCHEM</b>						
Alkalinity		117	mg/L		10	EPA-310.1
Carbonaceous Biochemical Oxygen D	JU	10	mg/L		10	SM-5210 B
Carbonate as CaCO3	U	10	mg/L		10	SM-2320 B 17
Phosphate as Phosphorous	U	2	mg/L		2	SW846-9056
Silica		13	mg/L		1	EPA-370.1

**MW265**

**SGC01-01**

**Monitoring Well Corrosion Study**

Total Organic Carbon (TOC)

U

1.6 mg/L

1.6 SW846-9060

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**MW277**

**SGC01-01**

**Monitoring Well Corrosion Study**

**MW277CS3-01**

Collected: 10/9/2000

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		48.5	mg/L		2	SW846-9056
Ferrous	U	10	mg/L		10	ASTM-E227
Fluoride		0.14	mg/L		0.1	EPA-340.2
Nitrate as Nitrogen		1.4	mg/L		1	SW846-9056
Sulfate		10	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		30.65	Inches/Hg			
Conductivity		376	umho/cm			
Depth to Water		40.6	ft			
Dissolved Oxygen		3.73	mg/L			
pH		6.13	Std Unit			
Temperature		62.9	deg F			
<b>METAL</b>						
Barium		0.214	mg/L		0.025	SW846-6010A
Beryllium	BU	0.005	mg/L		0.005	SW846-6010A
Cadmium	UW	0.005	mg/L		0.005	SW846-7131
Calcium		26.4	mg/L		1	SW846-6010A
Chromium		0.365	mg/L		0.025	SW846-6010A
Cobalt	U	0.025	mg/L		0.025	SW846-6010A
Copper	B	0.025	mg/L		0.025	SW846-6010A
Iron		1.4	mg/L		0.2	SW846-6010A
Magnesium		11.1	mg/L		0.025	SW846-6010A
Manganese	U	0.025	mg/L		0.025	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel		0.258	mg/L		0.025	SW846-6010A
Potassium		2.22	mg/L		2	SW846-6010A
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Silver	BU	0.025	mg/L		0.025	SW846-6010A
Sodium		30.8	mg/L		2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	BU	0.025	mg/L		0.025	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids	U	224	mg/L		50	EPA-160.2
<b>RADS</b>						
Alpha activity	U	-20	pCi/L	40	190	RL-7119
Beta activity	U	0	pCi/L	0	210	RL-7119
<b>VOA</b>						
cis-1,2-Dichloroethene	U	0.07	mg/L			SW846-3810 E3R0
trans-1,2-Dichloroethene	U	0.1	mg/L			SW846-3810 E3R0
Trichloroethene		0.015	mg/L			SW846-3810 E3R0
Vinyl chloride	U	0.002	mg/L			SW846-3810 E3R0
<b>WETCHEM</b>						
Alkalinity		91	mg/L		10	EPA-310.1
Carbonaceous Biochemical Oxygen D	JU	10	mg/L		10	SM-5210 B
Carbonate as CaCO3	U	10	mg/L		10	SM-2320 B 17
Phosphate as Phosphorous	U	2	mg/L		2	SW846-9056
Silica		14	mg/L		1	EPA-370.1



**MW277**

**SGC01-01**

**Monitoring Well Corrosion Study**

Total Organic Carbon (TOC)

U

1.6 mg/L

1.6 SW846-9060

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MW277

SGC01-01

Monitoring Well Corrosion Study

MW277CS1-01

Collected: 10/10/2000

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		52.5	mg/L		2	SW846-9056
Ferrous	U	10	mg/L			ASTM-E227
Fluoride		0.14	mg/L		0.1	EPA-340.2
Nitrate as Nitrogen		1.6	mg/L		1	SW846-9056
Sulfate		10.8	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		30.5	Inches/Hg			
Conductivity		403	umho/cm			
Depth to Water		40.37	ft			
Dissolved Oxygen		3.94	mg/L			
pH		6.17	Std Unit			
Temperature		70.6	deg F			
<b>METAL</b>						
Barium		0.226	mg/L		0.025	SW846-6010A
Beryllium	BU	0.005	mg/L		0.005	SW846-6010A
Cadmium	UW	0.005	mg/L		0.005	SW846-7131
Calcium		28.8	mg/L		1	SW846-6010A
Chromium		2.12	mg/L		0.025	SW846-6010A
Cobalt	U	0.025	mg/L		0.025	SW846-6010A
Copper		0.09	mg/L		0.025	SW846-6010A
Iron		7.89	mg/L		0.2	SW846-6010A
Magnesium		11.8	mg/L		0.025	SW846-6010A
Manganese		0.184	mg/L		0.025	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel		1.27	mg/L		0.025	SW846-6010A
Potassium		3.01	mg/L		2	SW846-6010A
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Silver	BU	0.025	mg/L		0.025	SW846-6010A
Sodium		34.3	mg/L		2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	BU	0.025	mg/L		0.025	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		226	mg/L		50	EPA-160.2
<b>RADS</b>						
Alpha activity	U	-20	pCi/L	40	160	RL-7119
Beta activity	U	60	pCi/L	30	160	RL-7119
<b>VOA</b>						
cis-1,2-Dichloroethene	U	0.07	mg/L			SW846-3810 E3R0
trans-1,2-Dichloroethene	U	0.1	mg/L			SW846-3810 E3R0
Trichloroethene		0.013	mg/L			SW846-3810 E3R0
Vinyl chloride	U	0.002	mg/L			SW846-3810 E3R0
<b>WETCHEM</b>						
Alkalinity		91	mg/L		10	EPA-310.1
Carbonaceous Biochemical Oxygen D	JU	10	mg/L		10	SM-5210 B
Carbonate as CaCO3	U	10	mg/L		10	SM-2320 B 17
Phosphate as Phosphorous	U	2	mg/L		2	SW846-9056
Silica		14	mg/L		1	EPA-370.1

**MW277**

**SGC01-01**

**Monitoring Well Corrosion Study**

Total Organic Carbon (TOC)

U

1.6 mg/L

1.6 SW846-9060

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MW277

SGC01-01

Monitoring Well Corrosion Study

MW277CS2-01

Collected: 10/10/2000

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		51.3	mg/L		2	SW846-9056
Ferrous	U	10	mg/L			ASTM-E227
Fluoride		0.15	mg/L		0.1	EPA-340.2
Nitrate as Nitrogen		1.5	mg/L		1	SW846-9056
Sulfate		10.5	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		30.5	Inches/Hg			
Conductivity		399	umho/cm			
Depth to Water		40.48	ft			
Dissolved Oxygen		3.92	mg/L			
pH		6.17	Std Unit			
Temperature		65.3	deg F			
<b>METAL</b>						
Barium		0.224	mg/L		0.025	SW846-6010A
Beryllium	BU	0.005	mg/L		0.005	SW846-6010A
Cadmium	UW	0.005	mg/L		0.005	SW846-7131
Calcium		28.7	mg/L		1	SW846-6010A
Chromium		0.195	mg/L		0.025	SW846-6010A
Cobalt	U	0.025	mg/L		0.025	SW846-6010A
Copper	BU	0.025	mg/L		0.025	SW846-6010A
Iron		1.35	mg/L		0.2	SW846-6010A
Magnesium		11.8	mg/L		0.025	SW846-6010A
Manganese	B	0.073	mg/L		0.025	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel		0.522	mg/L		0.025	SW846-6010A
Potassium		2.72	mg/L		2	SW846-6010A
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Silver	BU	0.025	mg/L		0.025	SW846-6010A
Sodium		33.6	mg/L		2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	BU	0.025	mg/L		0.025	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		216	mg/L		50	EPA-160.2
<b>RADS</b>						
Alpha activity	U	-30	pCi/L	70	160	RL-7119
Beta activity	U	0	pCi/L	0	160	RL-7119
<b>VOA</b>						
cis-1,2-Dichloroethene	U	0.07	mg/L			SW846-3810 E3R0
trans-1,2-Dichloroethene	U	0.1	mg/L			SW846-3810 E3R0
Trichloroethene		0.014	mg/L			SW846-3810 E3R0
Vinyl chloride	U	0.002	mg/L			SW846-3810 E3R0
<b>WETCHEM</b>						
Alkalinity		106	mg/L		10	EPA-310.1
Carbonaceous Biochemical Oxygen D	JU	10	mg/L		10	SM-5210 B
Carbonate as CaCO3	U	10	mg/L		10	SM-2320 B 17
Phosphate as Phosphorous	U	2	mg/L		2	SW846-9056
Silica		13	mg/L		1	EPA-370.1

**MW277**

**SGC01-01**

**Monitoring Well Corrosion Study**

Total Organic Carbon (TOC)

U

1.6 mg/L

1.6 SW846-9060

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**MW277**

**SGC01-01**

**Monitoring Well Corrosion Study**

**MW277DCS3-01**

Collected: 10/9/2000

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		49.1	mg/L		2	SW846-9056
Ferrous	U	10	mg/L		10	ASTM-E227
Fluoride		0.17	mg/L		0.1	EPA-340.2
Nitrate as Nitrogen		1.4	mg/L		1	SW846-9056
Sulfate		9.9	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		30.65	Inches/Hg			
Conductivity		376	umho/cm			
Depth to Water		40.6	ft			
Dissolved Oxygen		3.73	mg/L			
pH		6.13	Std Unit			
Temperature		62.9	deg F			
<b>METAL</b>						
Barium		0.221	mg/L		0.025	SW846-6010A
Beryllium	BU	0.005	mg/L		0.005	SW846-6010A
Cadmium	UW	0.005	mg/L		0.005	SW846-7131
Calcium		27.7	mg/L		1	SW846-6010A
Chromium		0.87	mg/L		0.025	SW846-6010A
Cobalt	U	0.025	mg/L		0.025	SW846-6010A
Copper	B	0.053	mg/L		0.025	SW846-6010A
Iron		3.25	mg/L		0.2	SW846-6010A
Magnesium		11.5	mg/L		0.025	SW846-6010A
Manganese		0.028	mg/L		0.025	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel		0.36	mg/L		0.025	SW846-6010A
Potassium		2.34	mg/L		2	SW846-6010A
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Silver	BU	0.025	mg/L		0.025	SW846-6010A
Sodium		32	mg/L		2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	BU	0.025	mg/L		0.025	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		226	mg/L		50	EPA-160.2
<b>RADS</b>						
Alpha activity	U	0	pCi/L	0	190	RL-7119
Beta activity	U	-20	pCi/L	20	210	RL-7119
<b>VOA</b>						
cis-1,2-Dichloroethene	U	0.07	mg/L			SW846-3810 E3R0
trans-1,2-Dichloroethene	U	0.1	mg/L			SW846-3810 E3R0
Trichloroethene		0.013	mg/L			SW846-3810 E3R0
Vinyl chloride	U	0.002	mg/L			SW846-3810 E3R0
<b>WETCHEM</b>						
Alkalinity		99	mg/L		10	EPA-310.1
Carbonaceous Biochemical Oxygen D	JU	10	mg/L		10	SM-5210 B
Carbonate as CaCO3	U	10	mg/L		10	SM-2320 B 17
Phosphate as Phosphorous	U	2	mg/L		2	SW846-9056
Silica		13	mg/L		1	EPA-370.1

**MW277**

**SGC01-01**

**Monitoring Well Corrosion Study**

Total Organic Carbon (TOC)

U

1.6 mg/L

1.6 SW846-9060

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MW276

UG00-01

C-746 U QUARTERLY-OCTOBER

MW276UG1-00

Collected: 10/19/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		55.5	mg/L		2	SW846-9056
Nitrate as Nitrogen		1.3	mg/L		1	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		30.16	Inches/Hg			
Conductivity		403	umho/cm			
Depth to Water		38.17	ft			
Dissolved Oxygen		4.7	mg/L			
pH		6.03	Std Unit			
Temperature		61	deg F			
<b>METAL</b>						
Barium		0.23	mg/L		0.05	SW846-6010A
Beryllium	BU	0.01	mg/L		0.01	SW846-6010A
Cadmium	*BNU	0.005	mg/L		0.005	SW846-7131
Chromium		0.086	mg/L		0.05	SW846-6010A
Cobalt	U	0.01	mg/L		0.01	SW846-6010A
Copper	U	0.05	mg/L		0.05	SW846-6010A
Iron		0.803	mg/L		0.2	SW846-6010A
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Silver	*BNU	0.05	mg/L		0.05	SW846-6010A
Sodium	N	36.2	mg/L		2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.05	mg/L		0.05	SW846-6010A
Zinc	BU	0.2	mg/L		0.2	SW846-6010A
<b>METAL-D</b>						
Barium		0.231	mg/L		0.05	SW846-6010A
Chromium	BU	0.05	mg/L		0.05	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		220	mg/L		100	EPA-160.2
<b>RADS</b>						
Alpha activity	AXL	-2.22	pCi/L	1.48	5.15	EPA-900.0
Beta activity		42.41	pCi/L	5.02	6.78	EPA-900.0
Technetium-99		26.2	pCi/L	13.8	19.1	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	JU	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	JU	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260



**MW276****UG00-01****C-746 U QUARTERLY-OCTOBER**

Bromoform	U	0.005 mg/L	0.005	SW846-8260
Bromomethane	JU	0.005 mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005 mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005 mg/L	0.005	SW846-8260
Chloroethane	JU	0.005 mg/L	0.005	SW846-8260
Chloromethane	U	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	JU	0.005 mg/L	0.005	SW846-8260
Methylene chloride	JU	0.01 mg/L	0.01	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	JU	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene		0.015 mg/L	0.001	SW846-8260
Vinyl acetate	UY	0.01 mg/L	0.01	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	BU	25 mg/L	25	EPA-410.4 1978
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.05 mg/L	0.05	SW846-9020B
Turbidity		6.8 NTU	0.5	EPA-180.1 1978

MW277

UG00-01

C-746 U QUARTERLY-OCTOBER

MW277UG1-00

Collected: 10/19/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		52.8	mg/L		2	SW846-9056
Nitrate as Nitrogen		1.2	mg/L		1	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		30.16	Inches/Hg			
Conductivity		381	umho/cm			
Depth to Water		38.64	ft			
Dissolved Oxygen		3.64	mg/L			
pH		6.03	Std Unit			
Temperature		61.3	deg F			
<b>METAL</b>						
Barium		0.218	mg/L		0.05	SW846-6010A
Beryllium	BU	0.01	mg/L		0.01	SW846-6010A
Cadmium	*BNU	0.005	mg/L		0.005	SW846-7131
Chromium		0.498	mg/L		0.05	SW846-6010A
Cobalt	U	0.01	mg/L		0.01	SW846-6010A
Copper	U	0.05	mg/L		0.05	SW846-6010A
Iron		2.18	mg/L		0.2	SW846-6010A
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470
Nickel		0.062	mg/L		0.05	SW846-6010A
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Silver	*BNU	0.05	mg/L		0.05	SW846-6010A
Sodium	N	31.7	mg/L		2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.05	mg/L		0.05	SW846-6010A
Zinc	BU	0.2	mg/L		0.2	SW846-6010A
<b>METAL-D</b>						
Barium		0.223	mg/L		0.05	SW846-6010A
Chromium	BU	0.05	mg/L		0.05	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		212	mg/L		100	EPA-160.2
<b>RADS</b>						
Alpha activity	AXL	1.39	pCi/L	0.72	5.04	EPA-900.0
Beta activity		19.31	pCi/L	3.04	6.68	EPA-900.0
Technetium-99	A	-3.87	pCi/L	0	19.1	RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	JU	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	JU	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260

**MW277****UG00-01****C-746 U QUARTERLY-OCTOBER**

Bromoform	U	0.005 mg/L	0.005	SW846-8260
Bromomethane	JU	0.005 mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005 mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005 mg/L	0.005	SW846-8260
Chloroethane	JU	0.005 mg/L	0.005	SW846-8260
Chloromethane	U	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	JU	0.005 mg/L	0.005	SW846-8260
Methylene chloride	JU	0.01 mg/L	0.01	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	JU	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene		0.02 mg/L	0.001	SW846-8260
Vinyl acetate	JU	0.01 mg/L	0.01	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	BU	25 mg/L	25	EPA-410.4 1978
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.05 mg/L	0.05	SW846-9020B
Turbidity		12 NTU	0.5	EPA-180.1 1978

MW276

UG00-02

C-746 U QUARTERLY-JANUARY

MW276UG2-00

Collected: 1/19/2000

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		54.3	mg/L		2	SW846-9056
Nitrate as Nitrogen		1.1	mg/L		1	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		30.06	Inches/Hg			
Conductivity		398	umho/cm			
Depth to Water		39.83	ft			
Dissolved Oxygen		3.44	mg/L			
pH		6.2	Std Unit			
Temperature		56.9	deg F			
<b>METAL</b>						
Barium		0.242	mg/L		0.05	SW846-6010A
Beryllium	BU	0.01	mg/L		0.01	SW846-6010A
Cadmium	UW	0.005	mg/L		0.005	SW846-7131
Chromium		0.174	mg/L		0.05	SW846-6010A
Cobalt	U	0.01	mg/L		0.01	SW846-6010A
Copper	U	0.05	mg/L		0.05	SW846-6010A
Iron		1.97	mg/L		0.2	SW846-6010A
Mercury	UW	0.0002	mg/L		0.0002	SW846-7470
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Silver	U	0.05	mg/L		0.05	SW846-6010A
Sodium		35	mg/L		2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.05	mg/L		0.05	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A
<b>METAL-D</b>						
Barium		0.231	mg/L		0.05	SW846-6010A
Chromium	BU	0.05	mg/L		0.05	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		237	mg/L		100	EPA-160.2
<b>RADS</b>						
Alpha activity	U	1.92	pCi/L	0.93	4.4	EPA-900.0
Beta activity	B	38.54	pCi/L	4.82	5.72	EPA-900.0
Technetium-99		27.6	pCi/L	11.5	15.7	RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260

**MW276**

**UG00-02**

**C-746 U QUARTERLY-JANUARY**

2-Butanone	U	0.01	mg/L	0.01	SW846-8260
2-Hexanone	U	0.01	mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L	0.01	SW846-8260
Acetone	U	0.01	mg/L	0.01	SW846-8260
Benzene	U	0.005	mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromoform	U	0.005	mg/L	0.005	SW846-8260
Bromomethane	U	0.005	mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L	0.005	SW846-8260
Chloroethane	U	0.005	mg/L	0.005	SW846-8260
Chloromethane	U	0.005	mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	JU	0.005	mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Dibromomethane	U	0.005	mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	0.005	SW846-8260
Ethyl methacrylate	JU	0.005	mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L	0.005	SW846-8260
Iodomethane	JU	0.005	mg/L	0.005	SW846-8260
Methylene chloride	U	0.01	mg/L	0.01	SW846-8260
Styrene	U	0.005	mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L	0.005	SW846-8260
Toluene	UY	0.005	mg/L	0.005	SW846-8260
Total Xylene	U	0.015	mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L	0.005	SW846-8260
Trichloroethene		0.019	mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01	mg/L	0.01	SW846-8260
<b>WETCHEM</b>					
Chemical Oxygen Demand (COD)	U	25	mg/L	25	EPA-410.4 1978
Total Organic Carbon (TOC)	U	1.5	mg/L	1.5	SW846-9060
Total Organic Halides (TOX)	U	0.05	mg/L	0.05	SW846-9020B
Turbidity		21	NTU	0.5	EPA-180.1 1978

**MW276UGRE2-00**

Collected: 2/2/2000

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		30.6	Inches/Hg			
Conductivity		396	umho/cm			
Depth to Water		40.65	ft			
Dissolved Oxygen		3.72	mg/L			
pH		5.9	Std Unit			
Temperature		57.2	deg F			
<b>VOA</b>						
Acrolein	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260

MW277

UG00-02

C-746 U QUARTERLY-JANUARY

MW277UG2-00

Collected: 1/19/2000

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		51.3	mg/L		2	SW846-9056
Nitrate as Nitrogen		1.4	mg/L		1	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		30.06	Inches/Hg			
Conductivity		382	umho/cm			
Depth to Water		40.2	ft			
Dissolved Oxygen		2.19	mg/L			
pH		6.2	Std Unit			
Temperature		56.8	deg F			
<b>METAL</b>						
Barium		0.227	mg/L		0.05	SW846-6010A
Beryllium	BU	0.01	mg/L		0.01	SW846-6010A
Cadmium	UW	0.005	mg/L		0.005	SW846-7131
Chromium		0.737	mg/L		0.05	SW846-6010A
Cobalt	U	0.01	mg/L		0.01	SW846-6010A
Copper	U	0.05	mg/L		0.05	SW846-6010A
Iron		2.82	mg/L		0.2	SW846-6010A
Mercury	UW	0.0002	mg/L		0.0002	SW846-7470
Nickel		0.238	mg/L		0.05	SW846-6010A
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Silver	U	0.05	mg/L		0.05	SW846-6010A
Sodium		31.4	mg/L		2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.05	mg/L		0.05	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A
<b>METAL-D</b>						
Barium		0.219	mg/L		0.05	SW846-6010A
Chromium	BU	0.05	mg/L		0.05	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		217	mg/L		100	EPA-160.2
<b>RADS</b>						
Alpha activity	U	1.21	pCi/L	0.8	3.7	EPA-900.0
Beta activity		11.83	pCi/L	2.13	7.15	EPA-900.0
Technetium-99	U	8.81	pCi/L	10.9	15.7	RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260

**MW277**

**UG00-02**

**C-746 U QUARTERLY-JANUARY**

2-Butanone	U	0.01	mg/L	0.01	SW846-8260
2-Hexanone	U	0.01	mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L	0.01	SW846-8260
Acetone	U	0.01	mg/L	0.01	SW846-8260
Benzene	U	0.005	mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromoform	U	0.005	mg/L	0.005	SW846-8260
Bromomethane	U	0.005	mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L	0.005	SW846-8260
Chloroethane	U	0.005	mg/L	0.005	SW846-8260
Chloromethane	U	0.005	mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	JU	0.005	mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Dibromomethane	U	0.005	mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	0.005	SW846-8260
Ethyl methacrylate	JU	0.005	mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L	0.005	SW846-8260
Iodomethane	JU	0.005	mg/L	0.005	SW846-8260
Methylene chloride	U	0.01	mg/L	0.01	SW846-8260
Styrene	U	0.005	mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L	0.005	SW846-8260
Toluene	UY	0.005	mg/L	0.005	SW846-8260
Total Xylene	U	0.015	mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L	0.005	SW846-8260
Trichloroethene		0.017	mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01	mg/L	0.01	SW846-8260
<b>WETCHEM</b>					
Chemical Oxygen Demand (COD)	U	25	mg/L	25	EPA-410.4 1978
Total Organic Carbon (TOC)	U	1.5	mg/L	1.5	SW846-9060
Total Organic Halides (TOX)	U	0.05	mg/L	0.05	SW846-9020B
Turbidity		7.5	NTU	0.5	EPA-180.1 1978

**MW277UGRE2-00**

Collected: 2/2/2000

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		30.6	Inches/Hg			
Conductivity		379	umho/cm			
Depth to Water		41.09	ft			
Dissolved Oxygen		2.7	mg/L			
pH		5.9	Std Unit			
Temperature		56.9	deg F			
<b>VOA</b>						
Acrolein	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L		0.01	SW846-8260

## MW276

## UG00-03

## C-746 U QUARTERLY-APRIL UG00-03

## MW276UG3-00

Collected: 4/11/2000

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		51.7	mg/L		2	SW846-9056
Nitrate as Nitrogen		1.1	mg/L		1	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.7	Inches/Hg			
Conductivity		409	umho/cm			
Depth to Water		39.75	ft			
Dissolved Oxygen		3.25	mg/L			
pH		6.09	Std Unit			
Temperature		60.7	deg F			
<b>METAL</b>						
Barium		0.242	mg/L		0.025	SW846-6010A
Beryllium	U	0.005	mg/L		0.005	SW846-6010A
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium		2	mg/L		0.025	SW846-6010A
Cobalt	U	0.025	mg/L		0.025	SW846-6010A
Copper	U	0.025	mg/L		0.025	SW846-6010A
Iron		8.66	mg/L		0.2	SW846-6010A
Mercury	UW	0.0002	mg/L		0.0002	SW846-7470
Nickel	U	0.025	mg/L		0.025	SW846-6010A
Silver	U	0.025	mg/L		0.025	SW846-6010A
Sodium		35.6	mg/L		2	SW846-6010A
Thallium	NU	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.025	mg/L		0.025	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A
<b>METAL-D</b>						
Barium		0.228	mg/L		0.025	SW846-6010A
Chromium	U	0.025	mg/L		0.025	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		249	mg/L		50	EPA-160.2
<b>RADS</b>						
Alpha activity	U	1.09	pCi/L	0.66	3.87	EPA-900.0
Beta activity		33.39	pCi/L	4.55	6.45	EPA-900.0
Technetium-99		27.2	pCi/L	11	14.9	RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	JU	0.01	mg/L		0.01	SW846-8260



**MW276****UG00-03****C-746 U QUARTERLY-APRIL UG00-03**

2-Chloroethyl vinyl ether	JU	0.01 mg/L	0.01	SW846-8260
2-Hexanone	JU	0.01 mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01 mg/L	0.01	SW846-8260
Acetone	U	0.01 mg/L	0.01	SW846-8260
Acrolein	JU	0.01 mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01 mg/L	0.01	SW846-8260
Benzene	UX	0.005 mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromoform	U	0.005 mg/L	0.005	SW846-8260
Bromomethane	U	0.005 mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005 mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005 mg/L	0.005	SW846-8260
Chloroethane	U	0.005 mg/L	0.005	SW846-8260
Chloromethane	U	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Dibromomethane	U	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005 mg/L	0.005	SW846-8260
Ethyl methacrylate	JU	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	U	0.005 mg/L	0.005	SW846-8260
Methylene chloride	JU	0.01 mg/L	0.01	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene		0.02 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	JU	25 mg/L	25	EPA-410.4 1978
Total Organic Carbon (TOC)	U	1.6 mg/L	1.6	SW846-9060
Total Organic Halides (TOX)	U	0.05 mg/L	0.05	SW846-9020B
Turbidity		150 NTU	0.5	EPA-180.1 1978

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12/18/2007

MW277

UG00-03

C-746 U QUARTERLY-APRIL UG00-03

MW277UG3-00

Collected: 4/11/2000

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		49.7	mg/L		2	SW846-9056
Nitrate as Nitrogen		1.4	mg/L		1	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.7	Inches/Hg			
Conductivity		388	umho/cm			
Depth to Water		40.05	ft			
Dissolved Oxygen		2.25	mg/L			
pH		6.08	Std Unit			
Temperature		60	deg F			
<b>METAL</b>						
Barium		0.221	mg/L		0.025	SW846-6010A
Beryllium	U	0.005	mg/L		0.005	SW846-6010A
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium		0.214	mg/L		0.025	SW846-6010A
Cobalt	U	0.025	mg/L		0.025	SW846-6010A
Copper	U	0.025	mg/L		0.025	SW846-6010A
Iron		1.11	mg/L		0.2	SW846-6010A
Mercury	UW	0.0002	mg/L		0.0002	SW846-7470
Nickel		0.074	mg/L		0.025	SW846-6010A
Silver	U	0.025	mg/L		0.025	SW846-6010A
Sodium		31.6	mg/L		2	SW846-6010A
Thallium	NU	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.025	mg/L		0.025	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A
<b>METAL-D</b>						
Barium		0.225	mg/L		0.025	SW846-6010A
Chromium	U	0.025	mg/L		0.025	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		233	mg/L		50	EPA-160.2
<b>RADS</b>						
Alpha activity	U	0.47	pCi/L	0.36	3.7	EPA-900.0
Beta activity		14.72	pCi/L	2.68	6.25	EPA-900.0
Technetium-99	U	5.35	pCi/L	10.2	14.9	RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	JU	0.01	mg/L		0.01	SW846-8260

**MW277****UG00-03****C-746 U QUARTERLY-APRIL UG00-03**

2-Chloroethyl vinyl ether	JU	0.01 mg/L	0.01	SW846-8260
2-Hexanone	JU	0.01 mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01 mg/L	0.01	SW846-8260
Acetone	U	0.01 mg/L	0.01	SW846-8260
Acrolein	JU	0.01 mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01 mg/L	0.01	SW846-8260
Benzene	U	0.005 mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromoform	U	0.005 mg/L	0.005	SW846-8260
Bromomethane	U	0.005 mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005 mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005 mg/L	0.005	SW846-8260
Chloroethane	U	0.005 mg/L	0.005	SW846-8260
Chloromethane	U	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Dibromomethane	U	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005 mg/L	0.005	SW846-8260
Ethyl methacrylate	JU	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	U	0.005 mg/L	0.005	SW846-8260
Methylene chloride	JU	0.01 mg/L	0.01	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene		0.017 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	JU	25 mg/L	25	EPA-410.4 1978
Total Organic Carbon (TOC)	U	1.6 mg/L	1.6	SW846-9060
Total Organic Halides (TOX)	U	0.05 mg/L	0.05	SW846-9020B
Turbidity		8.7 NTU	0.5	EPA-180.1 1978

MW276

UG00-04

C-746 U QUARTERLY UG00-04

MW276UG4-00

Collected: 7/24/2000

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		52.5	mg/L		2	SW846-9056
Nitrate as Nitrogen		1.1	mg/L		1	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		30.09	Inches/Hg			
Conductivity		403	umho/cm			
Depth to Water		38.64	ft			
Dissolved Oxygen		3.37	mg/L			
pH		5.92	Std Unit			
Temperature		66.1	deg F			
<b>METAL</b>						
Barium	B	0.237	mg/L		0.025	SW846-6010A
Beryllium	BU	0.005	mg/L		0.005	SW846-6010A
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium		0.307	mg/L		0.025	SW846-6010A
Cobalt	U	0.025	mg/L		0.025	SW846-6010A
Copper	BU	0.025	mg/L		0.025	SW846-6010A
Iron		2.97	mg/L		0.2	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel	U	0.025	mg/L		0.025	SW846-6010A
Selenium	NUW	0.005	mg/L		0.005	SW846-7740
Silver	BU	0.025	mg/L		0.025	SW846-6010A
Sodium		35.9	mg/L		2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.025	mg/L		0.025	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A
<b>METAL-D</b>						
Barium		0.218	mg/L		0.025	SW846-6010A
Chromium	BU	0.025	mg/L		0.025	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		231	mg/L		50	EPA-160.2
<b>RADS</b>						
Alpha activity	U	1.28	pCi/L	0.69	4.73	EPA-900.0
Beta activity		22.71	pCi/L	3.45	7.43	EPA-900.0
Technetium-99		34.9	pCi/L	13.7	23.1	RL-7100
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JU	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260

**MW276****UG00-04****C-746 U QUARTERLY UG00-04**

2-Hexanone	U	0.01 mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01 mg/L	0.01	SW846-8260
Acetone	U	0.01 mg/L	0.01	SW846-8260
Acrolein	JU	0.01 mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01 mg/L	0.01	SW846-8260
Benzene	U	0.005 mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromoform	JU	0.005 mg/L	0.005	SW846-8260
Bromomethane	U	0.005 mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005 mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005 mg/L	0.005	SW846-8260
Chloroethane	U	0.005 mg/L	0.005	SW846-8260
Chloromethane	U	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	JU	0.005 mg/L	0.005	SW846-8260
Dibromomethane	U	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005 mg/L	0.005	SW846-8260
Ethyl methacrylate	U	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	U	0.005 mg/L	0.005	SW846-8260
Methylene chloride	U	0.01 mg/L	0.01	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene		0.017 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	NU	25 mg/L	25	EPA-410.4 1978
Total Organic Carbon (TOC)	U	1.6 mg/L	1.6	SW846-9060
Total Organic Halides (TOX)	JU	0.05 mg/L	0.05	SW846-9020B
Turbidity		36 NTU	0.5	EPA-180.1 1978

MW277

UG00-04

C-746 U QUARTERLY UG00-04

MW277UG4-00

Collected: 7/24/2000

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		49.2	mg/L		2	SW846-9056
Nitrate as Nitrogen		1.4	mg/L		1	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		30.09	Inches/Hg			
Conductivity		389	umho/cm			
Depth to Water		38.92	ft			
Dissolved Oxygen		3.32	mg/L			
pH		5.94	Std Unit			
Temperature		66.5	deg F			
<b>METAL</b>						
Barium	B	0.229	mg/L		0.025	SW846-6010A
Beryllium	BU	0.005	mg/L		0.005	SW846-6010A
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium		0.813	mg/L		0.025	SW846-6010A
Cobalt	U	0.025	mg/L		0.025	SW846-6010A
Copper	B	0.036	mg/L		0.025	SW846-6010A
Iron		3.36	mg/L		0.2	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel		0.195	mg/L		0.025	SW846-6010A
Selenium	NUW	0.005	mg/L		0.005	SW846-7740
Silver	BU	0.025	mg/L		0.025	SW846-6010A
Sodium		31.9	mg/L		2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.025	mg/L		0.025	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A
<b>METAL-D</b>						
Barium		0.216	mg/L		0.025	SW846-6010A
Chromium	BU	0.025	mg/L		0.025	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		224	mg/L		50	EPA-160.2
<b>RADS</b>						
Alpha activity	U	1.58	pCi/L	0.75	4.73	EPA-900.0
Beta activity		50.89	pCi/L	5.71	7.42	EPA-900.0
Technetium-99	U	0.86	pCi/L	12.5	23.1	RL-7100
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JU	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260

**MW277****UG00-04****C-746 U QUARTERLY UG00-04**

2-Hexanone	U	0.01 mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01 mg/L	0.01	SW846-8260
Acetone	U	0.01 mg/L	0.01	SW846-8260
Acrolein	JU	0.01 mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01 mg/L	0.01	SW846-8260
Benzene	U	0.005 mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromoform	JU	0.005 mg/L	0.005	SW846-8260
Bromomethane	U	0.005 mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005 mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005 mg/L	0.005	SW846-8260
Chloroethane	U	0.005 mg/L	0.005	SW846-8260
Chloromethane	U	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	JU	0.005 mg/L	0.005	SW846-8260
Dibromomethane	U	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005 mg/L	0.005	SW846-8260
Ethyl methacrylate	U	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	U	0.005 mg/L	0.005	SW846-8260
Methylene chloride	U	0.01 mg/L	0.01	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene		0.015 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	NU	25 mg/L	25	EPA-410.4 1978
Total Organic Carbon (TOC)	U	1.6 mg/L	1.6	SW846-9060
Total Organic Halides (TOX)	JU	0.05 mg/L	0.05	SW846-9020B
Turbidity		28 NTU	0.5	EPA-180.1 1978

MW276

UG01-01

C-746 U QUARTERLY - OCTOBER

MW276UG1-01

Collected: 10/9/2000

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		50	mg/L		2	SW846-9056
Nitrate as Nitrogen		1.1	mg/L		1	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		30.65	Inches/Hg			
Conductivity		374	umho/cm			
Depth to Water		40.27	ft			
Dissolved Oxygen		2.97	mg/L			
pH		6.2	Std Unit			
Temperature		60.4	deg F			
<b>METAL</b>						
Barium		0.228	mg/L		0.025	SW846-6010A
Beryllium	U	0.005	mg/L		0.005	SW846-6010A
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium		0.173	mg/L		0.025	SW846-6010A
Cobalt	U	0.025	mg/L		0.025	SW846-6010A
Copper	BU	0.025	mg/L		0.025	SW846-6010A
Iron		1.52	mg/L		0.2	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel	U	0.025	mg/L		0.025	SW846-6010A
Silver	BU	0.025	mg/L		0.025	SW846-6010A
Sodium		35.7	mg/L		2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.025	mg/L		0.025	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A
<b>METAL-D</b>						
Barium, Dissolved		0.219	mg/L		0.025	SW846-6010A
Chromium, Dissolved	U	0.025	mg/L		0.025	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		236	mg/L		50	EPA-160.2
<b>RADS</b>						
Alpha activity	U	0.91	pCi/L	0.45	2.93	EPA-900.0
Beta activity		39.2	pCi/L	5.16	6.83	EPA-900.0
Technetium-99		25.6	pCi/L	11.9	16.7	RL-7100
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L		0.01	SW846-8260



**MW276****UG01-01****C-746 U QUARTERLY - OCTOBER**

2-Hexanone	U	0.01 mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01 mg/L	0.01	SW846-8260
Acetone	U	0.01 mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01 mg/L	0.01	SW846-8260
Benzene	U	0.005 mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromoform	U	0.005 mg/L	0.005	SW846-8260
Bromomethane	U	0.005 mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005 mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005 mg/L	0.005	SW846-8260
Chloroethane	U	0.005 mg/L	0.005	SW846-8260
Chloromethane	U	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Dibromomethane	U	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005 mg/L	0.005	SW846-8260
Ethyl methacrylate	U	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	JU	0.005 mg/L	0.005	SW846-8260
Methylene chloride	JU	0.01 mg/L	0.01	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene		0.015 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Total Organic Carbon (TOC)	U	1.6 mg/L	1.6	SW846-9060
Total Organic Halides (TOX)	NU	0.05 mg/L	0.05	SW846-9020B
Turbidity		17 NTU	0.5	EPA-180.1 1978

MW277

UG01-01

C-746 U QUARTERLY - OCTOBER

MW277UG1-01

Collected: 10/3/2000

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		50.7	mg/L		2	SW846-9056
Nitrate as Nitrogen		1.4	mg/L		1	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		30.03	Inches/Hg			
Conductivity		386	umho/cm			
Depth to Water		39.95	ft			
Dissolved Oxygen		2.74	mg/L			
pH		6	Std Unit			
Temperature		66	deg F			
<b>METAL</b>						
Barium		0.219	mg/L		0.025	SW846-6010A
Beryllium	U	0.005	mg/L		0.005	SW846-6010A
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium		1.21	mg/L		0.025	SW846-6010A
Cobalt	U	0.025	mg/L		0.025	SW846-6010A
Copper	B	0.085	mg/L		0.025	SW846-6010A
Iron		5.11	mg/L		0.2	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel		0.334	mg/L		0.025	SW846-6010A
Silver	BU	0.025	mg/L		0.025	SW846-6010A
Sodium		30.3	mg/L		2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.025	mg/L		0.025	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A
<b>METAL-D</b>						
Barium, Dissolved		0.212	mg/L		0.025	SW846-6010A
Chromium, Dissolved	U	0.025	mg/L		0.025	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		215	mg/L		50	EPA-160.2
<b>RADS</b>						
Alpha activity	U	1.69	pCi/L	0.87	5.5	EPA-900.0
Beta activity		13.23	pCi/L	2.48	7.02	EPA-900.0
Technetium-99		21.2	pCi/L	11.8	16.7	RL-7100
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L		0.01	SW846-8260

**MW277****UG01-01****C-746 U QUARTERLY - OCTOBER**

2-Hexanone	U	0.01 mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01 mg/L	0.01	SW846-8260
Acetone	U	0.01 mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01 mg/L	0.01	SW846-8260
Benzene	U	0.005 mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromoform	U	0.005 mg/L	0.005	SW846-8260
Bromomethane	U	0.005 mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005 mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005 mg/L	0.005	SW846-8260
Chloroethane	U	0.005 mg/L	0.005	SW846-8260
Chloromethane	U	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Dibromomethane	U	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005 mg/L	0.005	SW846-8260
Ethyl methacrylate	U	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	JU	0.005 mg/L	0.005	SW846-8260
Methylene chloride	U	0.01 mg/L	0.01	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene		0.014 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Total Organic Carbon (TOC)	U	1.6 mg/L	1.6	SW846-9060
Total Organic Halides (TOX)	JNU	0.05 mg/L	0.05	SW846-9020B
Turbidity		22 NTU	0.5	EPA-180.1 1978

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**MW276**

**UG01-02**

## C-746 U QUARTERLY - JANUARY

**MW276UG2-01**

Collected: 1/16/2001

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		52.9	mg/L		2	SW846-9056
Nitrate as Nitrogen		1.1	mg/L		1	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.8	Inches/Hg			
Conductivity		398	umho/cm			
Depth to Water		41.34	ft			
Dissolved Oxygen		2.67	mg/L			
pH		5.9	Std Unit			
Temperature		58	deg F			
<b>METAL</b>						
Barium		0.24	mg/L		0.025	SW846-6010A
Beryllium	U	0.005	mg/L		0.005	SW846-6010A
Cadmium	UW	0.005	mg/L		0.005	SW846-7131
Chromium		0.484	mg/L		0.025	SW846-6010A
Cobalt	BU	0.025	mg/L		0.025	SW846-6010A
Copper	U	0.025	mg/L		0.025	SW846-6010A
Iron		3.19	mg/L		0.2	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Silver	BU	0.025	mg/L		0.025	SW846-6010A
Sodium		35.9	mg/L		2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	BU	0.025	mg/L		0.025	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A
<b>METAL-D</b>						
Barium, Dissolved		0.234	mg/L		0.025	SW846-6010A
Chromium, Dissolved	BU	0.025	mg/L		0.025	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		228	mg/L		48	EPA-160.2
<b>RADS</b>						
Alpha activity	U	-4.15	pCi/L	3.71	9.62	EPA-900.0
Beta activity		15.3	pCi/L	2.27	4.69	EPA-900.0
Technetium-99	U	11.9	pCi/L	12.6	17.9	RL-7100
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260

## MW276

## UG01-02

## C-746 U QUARTERLY - JANUARY

2-Chloroethyl vinyl ether	U	0.01 mg/L	0.01	SW846-8260
2-Hexanone	U	0.01 mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01 mg/L	0.01	SW846-8260
Acetone	U	0.01 mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01 mg/L	0.01	SW846-8260
Benzene	U	0.005 mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromoform	U	0.005 mg/L	0.005	SW846-8260
Bromomethane	U	0.005 mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005 mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005 mg/L	0.005	SW846-8260
Chloroethane	U	0.005 mg/L	0.005	SW846-8260
Chloromethane	U	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Dibromomethane	U	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	JU	0.005 mg/L	0.005	SW846-8260
Ethyl methacrylate	U	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	JU	0.005 mg/L	0.005	SW846-8260
Methylene chloride	U	0.01 mg/L	0.01	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	Y	0.016 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	UY	0.05 mg/L	0.05	SW846-9020B
Turbidity		16 NTU	0.5	EPA-180.1 1978

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MW276

UG01-03

C-746 U QUARTERLY - APRIL UG01-03

MW276UG3-01

Collected: 4/2/2001

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		48.7	mg/L		2	SW846-9056
Nitrate as Nitrogen		1.1	mg/L		1	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.47	Inches/Hg			
Conductivity		419	umho/cm			
Depth to Water		39.4	ft			
Dissolved Oxygen		0.51	mg/L			
pH		6.16	Std Unit			
Temperature		60.6	deg F			
<b>METAL</b>						
Barium	B	0.228	mg/L		0.025	SW846-6010A
Beryllium	U	0.005	mg/L		0.005	SW846-6010A
Cadmium	BUW	0.005	mg/L		0.005	SW846-7131
Chromium		0.187	mg/L		0.025	SW846-6010A
Cobalt	U	0.025	mg/L		0.025	SW846-6010A
Copper	U	0.025	mg/L		0.025	SW846-6010A
Iron		1.16	mg/L		0.2	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel	B	0.075	mg/L		0.05	SW846-6010A
Silver	BU	0.025	mg/L		0.025	SW846-6010A
Sodium		34.8	mg/L		2	SW846-6010A
Thallium	BU	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	BU	0.025	mg/L		0.025	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A
<b>METAL-D</b>						
Barium	B	0.272	mg/L		0.025	SW846-6010A
Chromium	U	0.025	mg/L		0.025	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		246	mg/L		43	EPA-160.2
<b>RADS</b>						
Alpha activity	U	6.48	pCi/L	2.59	8.45	EPA-900.0
Beta activity		35.2	pCi/L	3.89	4.94	EPA-900.0
Technetium-99		68.9	pCi/L	15	19.1	RL-7100
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L		0.01	SW846-8260

**MW276****UG01-03****C-746 U QUARTERLY - APRIL UG01-03**

2-Hexanone	JU	0.01 mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01 mg/L	0.01	SW846-8260
Acetone	JU	0.01 mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01 mg/L	0.01	SW846-8260
Benzene	U	0.005 mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromoform	U	0.005 mg/L	0.005	SW846-8260
Bromomethane	U	0.005 mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005 mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005 mg/L	0.005	SW846-8260
Chloroethane	U	0.005 mg/L	0.005	SW846-8260
Chloromethane	U	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Dibromomethane	U	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005 mg/L	0.005	SW846-8260
Ethyl methacrylate	U	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	JU	0.005 mg/L	0.005	SW846-8260
Methylene chloride	JU	0.01 mg/L	0.01	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene	Y	0.016 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.05 mg/L	0.05	SW846-9020B
Turbidity		14 NTU	0.5	EPA-180.1 1978

**MW276**

**UG01-04**

**C-746 U QUARTERLY - JULY**

**MW276UG4-01**

Collected: 7/10/2001

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		52.6	mg/L		2	SW846-9056
Fluoride		0.14	mg/L		0.1	9214
Nitrate as Nitrogen	*	1.2	mg/L		1	SW846-9056
Sulfate		11.8	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.41	Inches/Hg			
Conductivity		408.3	umho/cm			
Depth to Water		39.2	ft			
Dissolved Oxygen		2.42	mg/L			
pH		6.14	Std Unit			
Redox		310	mV			
Temperature		65.8	deg F			
<b>METAL</b>						
Aluminum		0.231	mg/L		0.2	SW846-6010A
Barium		0.252	mg/L		0.025	SW846-6010A
Beryllium	U	0.005	mg/L		0.005	SW846-6010A
Boron	JU	2	mg/L		2	SW846-6010A
Cadmium	UW	0.005	mg/L		0.005	SW846-7131
Calcium		31	mg/L		1	SW846-6010A
Chromium		2.14	mg/L		0.025	SW846-6010A
Cobalt	U	0.025	mg/L		0.025	SW846-6010A
Copper		0.073	mg/L		0.025	SW846-6010A
Cyanide	U	0.02	mg/L		0.02	SW846-9014
Iron		9.94	mg/L		0.2	SW846-6010A
Magnesium		12	mg/L		0.025	SW846-6010A
Manganese		0.056	mg/L		0.025	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum		0.096	mg/L		0.05	SW846-6010A
Nickel		0.359	mg/L		0.05	SW846-6010A
Potassium	U	2	mg/L		2	SW846-6010A
Rhodium	UX	0.2	mg/L		0.2	SW846-6010A
Silver	BU	0.025	mg/L		0.025	SW846-6010A
Sodium	J	38	mg/L		2	SW846-6010A
Tantalum	UX	0.2	mg/L		0.2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.025	mg/L		0.025	SW846-6010A
Zinc	BU	0.2	mg/L		0.2	SW846-6010A
<b>METAL-D</b>						
Barium, Dissolved		0.245	mg/L		0.025	SW846-6010A
Chromium, Dissolved	U	0.025	mg/L		0.025	SW846-6010A
<b>PHYSIC</b>						
Dissolved Solids		246	mg/L		45	EPA-160.2
<b>PCB</b>						
PCB-1016	U	0.00015	mg/L		0.0002	SW846-8082
PCB-1221	U	0.00017	mg/L		0.0002	SW846-8082
PCB-1232	U	0.00017	mg/L		0.0002	SW846-8082
PCB-1242	U	0.00016	mg/L		0.0002	SW846-8082



## MW276

## UG01-04

## C-746 U QUARTERLY - JULY

PCB-1248	U	0.00016	mg/L	0.0002	SW846-8082
PCB-1254	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1260	U	0.0001	mg/L	0.0001	SW846-8082
PCB-1268	U	0.0001	mg/L	0.0001	SW846-8082
Polychlorinated biphenyl	U	0.00017	mg/L	0.0002	SW846-8082
<b>RADS</b>					
Alpha activity		4.43	pCi/L	1.93	3.6 EPA-900.0
Beta activity		25.6	pCi/L	3.06	5.3 EPA-900.0
Iodine-131	U	1.09	pCi/L	2.17	2.42 RL-7124
Radium-226	X	2.68	pCi/L	2.03	2.6 RL-7124
Strontium-90	U	0	pCi/L	0	2.43 XP4-TS-RL7390
Technetium-99		36.8	pCi/L	16	22.1 RL-7100
Tritium	U	-37.2	pCi/L	166.11	280 704R5
<b>VOA</b>					
1,1,1,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
2-Butanone	U	0.01	mg/L	0.01	SW846-8260
2-Hexanone	U	0.01	mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L	0.01	SW846-8260
Acetone	U	0.01	mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L	0.01	SW846-8260
Benzene	U	0.005	mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromoform	U	0.005	mg/L	0.005	SW846-8260
Bromomethane	U	0.005	mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L	0.005	SW846-8260
Chloroethane	U	0.005	mg/L	0.005	SW846-8260
Chloromethane	U	0.005	mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Dibromomethane	U	0.005	mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	0.005	SW846-8260
Ethyl methacrylate	JU	0.005	mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L	0.005	SW846-8260
Iodomethane	U	0.005	mg/L	0.005	SW846-8260
Methylene chloride	JU	0.01	mg/L	0.01	SW846-8260
Styrene	U	0.005	mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L	0.005	SW846-8260
Toluene	U	0.005	mg/L	0.005	SW846-8260
Total Xylene	U	0.01	mg/L	0.01	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260

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## MW276

### UG01-04

### C-746 U QUARTERLY - JULY

trans-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L	0.005	SW846-8260
Trichloroethene		0.014	mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01	mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002	mg/L	0.002	SW846-8260
<b>WETCHEM</b>					
Chemical Oxygen Demand (COD)	U	25	mg/L	25	EPA-410.4 1978
Total Organic Carbon (TOC)	U	1	mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.05	mg/L	0.05	SW846-9020B
Turbidity		30	NTU	0.5	EPA-180.1 1978

### MW276UG4-01A

Collected: 7/10/2001

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Iodide	U	2	mg/L		2	EPA-345.1 1974
<b>Field P</b>						
Barometric Pressure Reading		29.41	Inches/Hg			
Conductivity		408.3	umho/cm			
Depth to Water		39.2	ft			
Dissolved Oxygen		2.42	mg/L			
pH		6.14	Std Unit			
Redox		310	mV			
Temperature		65.8	deg F			

MW276

UG02-01

C-746 U QUARTERLY - OCTOBER - UG02-01

MW276UG1-02

Collected: 10/3/2001

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		52.3	mg/L		2	SW846-9056
Fluoride		0.16	mg/L		0.1	9214
Nitrate as Nitrogen		1.4	mg/L		1	SW846-9056
Sulfate		11.9	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.65	Inches/Hg			
Conductivity		419	umho/cm			
Depth to Water		39.96	ft			
Dissolved Oxygen		3.25	mg/L			
pH		5.9	Std Unit			
Redox		175	mV			
Temperature		66.5	deg F			
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium		0.24	mg/L		0.025	SW846-6010A
Beryllium	U	0.005	mg/L		0.005	SW846-6010A
Boron	BU	2	mg/L		2	SW846-6010A
Cadmium	UW	0.005	mg/L		0.005	SW846-7131
Calcium		29.1	mg/L		1	SW846-6010A
Chromium		0.191	mg/L		0.025	SW846-6010A
Cobalt	U	0.025	mg/L		0.025	SW846-6010A
Copper	BU	0.025	mg/L		0.025	SW846-6010A
Iron		1.06	mg/L		0.2	SW846-6010A
Magnesium		12.1	mg/L		0.025	SW846-6010A
Manganese	U	0.025	mg/L		0.025	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	U	0.05	mg/L		0.05	SW846-6010A
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Potassium	U	2	mg/L		2	SW846-6010A
Rhodium	BUX	0.2	mg/L		0.2	SW846-6010A
Silver	BU	0.025	mg/L		0.025	SW846-6010A
Sodium		36.2	mg/L		2	SW846-6010A
Tantalum	UX	0.2	mg/L		0.2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.025	mg/L		0.025	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A
<b>METAL-D</b>						
Barium, Dissolved		0.238	mg/L		0.025	SW846-6010A
Chromium, Dissolved	BU	0.025	mg/L		0.025	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		275	mg/L		50	EPA-160.2
<b>RADS</b>						
Alpha activity	U	6.84	pCi/L	2.16	7.21	EPA-900.0
Beta activity		38.9	pCi/L	3.95	6.12	EPA-900.0
Iodine-131	UX	5.421	pCi/L	10.84	13.73	RL-7124
Radium-226	UX	1.784	pCi/L	3.568	4.227	RL-7124
Strontium-90	UX	2.57	pCi/L	0.535	14.7	RL-7145

## MW276

## UG02-01

## C-746 U QUARTERLY - OCTOBER - UG02-01

Technetium-99		36	pCi/L	12.1	16.3	RL-7100
Tritium	U	-11.9	pCi/L	165	276	704R5
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Benzene	UY	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	UY	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260
Methylene chloride	JU	0.01	mg/L		0.01	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	UY	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene		0.012	mg/L		0.001	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L		0.005	SW846-8260
Vinyl acetate	JU	0.01	mg/L		0.01	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260
<b>WETCHEM</b>						
Chemical Oxygen Demand (COD)	U	25	mg/L		25	EPA-410.4 1978
Cyanide	U	0.02	mg/L		0.02	SW846-9010-A
Iodide	U	2	mg/L		2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1	mg/L		1	SW846-9060
Total Organic Halides (TOX)	JU	0.05	mg/L		0.05	SW846-9020B

**MW276**

**UG02-01**

**C-746 U QUARTERLY - OCTOBER - UG02-01**

Turbidity

15 NTU

0.5 EPA-180.1 1978

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MW276

UG02-02

C-746 U QUARTERLY - JANUARY - UG02-02

MW276UG2-02

Collected: 1/3/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		49.6	mg/L		2	SW846-9056
Fluoride		0.14	mg/L		0.1	9214
Nitrate as Nitrogen	NX	1.2	mg/L		1	SW846-9056
Sulfate		11.6	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.85	Inches/Hg			
Conductivity		411	umho/cm			
Depth to Water		38.13	ft			
Dissolved Oxygen		0.99	mg/L			
pH		6.3	Std Unit			
Redox		185	mV			
Temperature		57.1	deg F			
<b>METAL</b>						
Aluminum		1.13	mg/L		0.2	SW846-6010A
Barium		0.27	mg/L		0.025	SW846-6010A
Beryllium	U	0.005	mg/L		0.005	SW846-6010A
Boron	U	2	mg/L		2	SW846-6010A
Cadmium	*UW	0.005	mg/L		0.005	SW846-7131
Calcium	N	29.6	mg/L		1	SW846-6010A
Chromium		0.974	mg/L		0.025	SW846-6010A
Cobalt	U	0.025	mg/L		0.025	SW846-6010A
Copper		0.026	mg/L		0.025	SW846-6010A
Iron		6.98	mg/L		0.2	SW846-6010A
Magnesium		12	mg/L		0.025	SW846-6010A
Manganese		0.079	mg/L		0.025	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum		0.066	mg/L		0.025	SW846-6010A
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Potassium	U	2	mg/L		2	SW846-6010A
Rhodium	UX	0.2	mg/L		0.2	SW846-6010A
Selenium	UW	0.01	mg/L		0.01	SW846-7740
Silver	*U	0.025	mg/L		0.025	SW846-6010A
Sodium	N	36.9	mg/L		2	SW846-6010A
Tantalum	UX	0.2	mg/L		0.2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.025	mg/L		0.025	SW846-6010A
Zinc	U	0.1	mg/L		0.1	SW846-6010A
<b>METAL-D</b>						
Barium, Dissolved		0.229	mg/L		0.025	SW846-6010A
Chromium, Dissolved	U	0.025	mg/L		0.025	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids	*	225	mg/L		50	EPA-160.2
<b>RADS</b>						
Alpha activity	U	1.18	pCi/L	0.59	6.35	EPA-900.0
Beta activity		42.9	pCi/L	4.55	5.7	EPA-900.0
Iodine-131	UX	1.25	pCi/L	2.49	34.7	RL-7124
Radium-226	UX	0.928	pCi/L	1.86	6.66	RL-7124

## MW276

## UG02-02

## C-746 U QUARTERLY - JANUARY - UG02-02

Strontium-90	U	-0.969	pCi/L	0.224	16.3	RL-7145
Technetium-99		55.3	pCi/L	12.7	16.2	RL-7100
Tritium	U	-38.6	pCi/L	161	271	704R5
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	JU	0.01	mg/L		0.01	SW846-8260
Acrolein	JUX	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	UX	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	UX	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	JU	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	JU	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.01	mg/L		0.01	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene		0.012	mg/L		0.001	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L		0.005	SW846-8260
Vinyl acetate	JU	0.01	mg/L		0.01	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260

## WETCHEM

**MW276**

**UG02-02**

**C-746 U QUARTERLY - JANUARY - UG02-02**

Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Cyanide	U	0.02 mg/L	0.02	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	U	1.2 mg/L	1.2	SW846-9060
Total Organic Halides (TOX)	JU	0.05 mg/L	0.05	SW846-9020B
Turbidity		30 NTU	0.5	EPA-180.1 1978

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MW369

UG02-04

C-746 U QUARTERLY - JULY - UG02-04

MW369UG7-02

Collected: 7/15/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		48.3	mg/L		2	SW846-9056
Fluoride		0.2	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate	N	13.8	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.68	Inches/Hg			
Conductivity		394	umho/cm			
Depth to Water		35.1	ft			
Dissolved Oxygen		0.8	mg/L			
pH		6.1	Std Unit			
Redox		20	mV			
Temperature		65.3	deg F			
<b>METAL</b>						
Aluminum	B	0.322	mg/L		0.2	SW846-6010A
Barium		0.238	mg/L		0.02	SW846-6010A
Beryllium	U	0.005	mg/L		0.005	SW846-6010A
Boron	U	2	mg/L		2	SW846-6010A
Cadmium	NU	0.005	mg/L		0.005	SW846-7131
Calcium		25.3	mg/L		2	SW846-6010A
Chromium	U	0.025	mg/L		0.02	SW846-6010A
Cobalt	U	0.025	mg/L		0.02	SW846-6010A
Copper	U	0.05	mg/L		0.05	SW846-6010A
Iron		7.1	mg/L		0.2	SW846-6010A
Magnesium		10	mg/L		0.02	SW846-6010A
Manganese		0.436	mg/L		0.02	SW846-6010A
Mercury	UW	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	U	0.025	mg/L		0.02	SW846-6010A
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Potassium	U	2	mg/L		2	SW846-6010A
Rhodium	UX	0.2	mg/L		0.2	SW846-6010A
Selenium	UW	0.01	mg/L		0.01	SW846-7740
Silver	U	0.025	mg/L		0.02	SW846-6010A
Sodium	N	42.4	mg/L		2	SW846-6010A
Tantalum	UX	0.2	mg/L		0.2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.025	mg/L		0.02	SW846-6010A
Zinc	U	0.1	mg/L		0.1	SW846-6010A
<b>METAL-D</b>						
Barium, Dissolved		0.237	mg/L		0.02	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		232	mg/L		100	EPA-160.2
<b>PCCB</b>						
PCB-1016	U	0.00017	mg/L		0.0002	SW846-8082
PCB-1221	U	0.00017	mg/L		0.0002	SW846-8082
PCB-1232	U	0.00017	mg/L		0.0002	SW846-8082
PCB-1242	U	0.00011	mg/L		0.0001	SW846-8082
PCB-1248	U	0.00017	mg/L		0.0002	SW846-8082

## MW369

## UG02-04

## C-746 U QUARTERLY - JULY - UG02-04

PCB-1254	U	0.00013	mg/L	0.0001	SW846-8082
PCB-1260	U	0.00009	mg/L	9E-05	SW846-8082
PCB-1268	U	0.00009	mg/L	9E-05	SW846-8082
Polychlorinated biphenyl	U	0.00017	mg/L	0.0002	SW846-8082
<b>RADS</b>					
Alpha activity	U	3.35	pCi/L	1.79	8.19 EPA-900.0
Beta activity		12.9	pCi/L	2.11	6.01 EPA-900.0
Iodine-131	U	-19.1	pCi/L	38.3	19.2 RL-7124
Strontium-90	U	4.49	pCi/L	1.05	15 RL-7145
Technetium-99		18.1	pCi/L	11.8	16.6 RL-7100
Tritium	U	78.4	pCi/L	161	266 704R5
<b>VOA</b>					
1,1,1,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
2-Butanone	JU	0.01	mg/L	0.01	SW846-8260
2-Chloroethyl vinyl ether	U	0.01	mg/L	0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L	0.01	SW846-8260
Acetone	J	0.014	mg/L	0.01	SW846-8260
Acrylonitrile	JU	0.01	mg/L	0.01	SW846-8260
Benzene	U	0.005	mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromoform	U	0.005	mg/L	0.005	SW846-8260
Bromomethane	U	0.005	mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L	0.005	SW846-8260
Chloroethane	U	0.005	mg/L	0.005	SW846-8260
Chloromethane	U	0.005	mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Dibromomethane	U	0.005	mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	0.005	SW846-8260
Ethanol	U	0.25	mg/L	0.25	SW846-8015
Ethyl methacrylate	JU	0.005	mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L	0.005	SW846-8260
Iodomethane	JU	0.005	mg/L	0.005	SW846-8260
Methylene chloride	JU	0.01	mg/L	0.01	SW846-8260
Styrene	U	0.005	mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L	0.005	SW846-8260
Toluene	U	0.005	mg/L	0.005	SW846-8260
Total Xylene	U	0.015	mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260

**MW369****UG02-04****C-746 U QUARTERLY - JULY - UG02-04**

trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	JU	0.005 mg/L	0.005	SW846-8260
Trichloroethene		0.008 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	35 mg/L	35	EPA-410.4 1978
Cyanide	UX	0.02 mg/L	0.02	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		3.1 mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.081 mg/L	0.05	SW846-9020B
Turbidity		17 NTU	0.5	EPA-180.1 1978

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MW370

UG02-04

C-746 U QUARTERLY - JULY - UG02-04

MW370UG7-02

Collected: 7/15/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		55.5	mg/L		2	SW846-9056
Fluoride		0.21	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		15.7	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.68	Inches/Hg			
Conductivity		476	umho/cm			
Depth to Water		36.03	ft			
Dissolved Oxygen		0.75	mg/L			
pH		6.3	Std Unit			
Redox		5	mV			
Temperature		64.6	deg F			
<b>METAL</b>						
Aluminum	BU	0.2	mg/L		0.2	SW846-6010A
Barium		0.246	mg/L		0.02	SW846-6010A
Beryllium	U	0.005	mg/L		0.005	SW846-6010A
Boron	U	2	mg/L		2	SW846-6010A
Cadmium	NU	0.005	mg/L		0.005	SW846-7131
Calcium		33.2	mg/L		2	SW846-6010A
Chromium	U	0.025	mg/L		0.02	SW846-6010A
Cobalt	U	0.025	mg/L		0.02	SW846-6010A
Copper	U	0.05	mg/L		0.05	SW846-6010A
Iron		3.52	mg/L		0.2	SW846-6010A
Magnesium		12.4	mg/L		0.02	SW846-6010A
Manganese		1.22	mg/L		0.02	SW846-6010A
Mercury	UW	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	U	0.025	mg/L		0.02	SW846-6010A
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Potassium		2.98	mg/L		2	SW846-6010A
Rhodium	UX	0.2	mg/L		0.2	SW846-6010A
Selenium	UW	0.01	mg/L		0.01	SW846-7740
Silver	U	0.025	mg/L		0.02	SW846-6010A
Sodium	N	44.7	mg/L		2	SW846-6010A
Tantalum	UX	0.2	mg/L		0.2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.025	mg/L		0.02	SW846-6010A
Zinc	U	0.1	mg/L		0.1	SW846-6010A
<b>METAL-D</b>						
Barium, Dissolved		0.254	mg/L		0.02	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		266	mg/L		100	EPA-160.2
<b>PCCB</b>						
PCB-1016	U	0.00017	mg/L		0.0002	SW846-8082
PCB-1221	U	0.00017	mg/L		0.0002	SW846-8082
PCB-1232	U	0.00017	mg/L		0.0002	SW846-8082
PCB-1242	U	0.00011	mg/L		0.0001	SW846-8082
PCB-1248	U	0.00017	mg/L		0.0002	SW846-8082

## MW370

## UG02-04

## C-746 U QUARTERLY - JULY - UG02-04

PCB-1254	U	0.00013	mg/L	0.0001	SW846-8082
PCB-1260	U	0.00009	mg/L	9E-05	SW846-8082
PCB-1268	U	0.00009	mg/L	9E-05	SW846-8082
Polychlorinated biphenyl	U	0.00017	mg/L	0.0002	SW846-8082
<b>RADS</b>					
Alpha activity	U	5.43	pCi/L	2.71	8.62 EPA-900.0
Beta activity		6.58	pCi/L	1.27	6.12 EPA-900.0
Iodine-131	U	-16.3	pCi/L	32.6	22.7 RL-7124
Strontium-90	U	1.17	pCi/L	0.29	15 RL-7145
Technetium-99	U	5.09	pCi/L	11.4	16.6 RL-7100
Tritium	U	20.2	pCi/L	160	266 704R5
<b>VOA</b>					
1,1,1,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
2-Butanone	JU	0.01	mg/L	0.01	SW846-8260
2-Chloroethyl vinyl ether	U	0.01	mg/L	0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L	0.01	SW846-8260
Acetone	JUX	0.01	mg/L	0.01	SW846-8260
Acrylonitrile	JU	0.01	mg/L	0.01	SW846-8260
Benzene	U	0.005	mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromoform	U	0.005	mg/L	0.005	SW846-8260
Bromomethane	U	0.005	mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L	0.005	SW846-8260
Chloroethane	U	0.005	mg/L	0.005	SW846-8260
Chloromethane	U	0.005	mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Dibromomethane	U	0.005	mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	0.005	SW846-8260
Ethanol	U	0.25	mg/L	0.25	SW846-8015
Ethyl methacrylate	JU	0.005	mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L	0.005	SW846-8260
Iodomethane	JU	0.005	mg/L	0.005	SW846-8260
Methylene chloride	JU	0.01	mg/L	0.01	SW846-8260
Styrene	U	0.005	mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L	0.005	SW846-8260
Toluene	U	0.005	mg/L	0.005	SW846-8260
Total Xylene	U	0.015	mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260

**MW370****UG02-04****C-746 U QUARTERLY - JULY - UG02-04**

trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	JU	0.005 mg/L	0.005	SW846-8260
Trichloroethene		0.015 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	35 mg/L	35	EPA-410.4 1978
Cyanide	UX	0.02 mg/L	0.02	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		2.6 mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.088 mg/L	0.05	SW846-9020B
Turbidity		8.9 NTU	0.5	EPA-180.1 1978

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MW371

UG02-04

C-746 U QUARTERLY - JULY - UG02-04

MW371UG7-02

Collected: 7/15/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		8.3	mg/L		2	SW846-9056
Fluoride		0.27	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		6.7	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.68	Inches/Hg			
Conductivity		632	umho/cm			
Depth to Water		23.77	ft			
Dissolved Oxygen		0.94	mg/L			
pH		6.5	Std Unit			
Redox		65	mV			
Temperature		65.7	deg F			
<b>METAL</b>						
Aluminum	BU	0.2	mg/L		0.2	SW846-6010A
Barium		0.044	mg/L		0.02	SW846-6010A
Beryllium	U	0.005	mg/L		0.005	SW846-6010A
Boron	U	2	mg/L		2	SW846-6010A
Cadmium	NU	0.005	mg/L		0.005	SW846-7131
Calcium		25.5	mg/L		2	SW846-6010A
Chromium	U	0.025	mg/L		0.02	SW846-6010A
Cobalt	U	0.025	mg/L		0.02	SW846-6010A
Copper	U	0.05	mg/L		0.05	SW846-6010A
Iron		0.881	mg/L		0.2	SW846-6010A
Magnesium		10.4	mg/L		0.02	SW846-6010A
Manganese		0.074	mg/L		0.02	SW846-6010A
Mercury	UW	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	U	0.025	mg/L		0.02	SW846-6010A
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Potassium	U	2	mg/L		2	SW846-6010A
Rhodium	UX	0.2	mg/L		0.2	SW846-6010A
Selenium	UW	0.01	mg/L		0.01	SW846-7740
Silver	U	0.025	mg/L		0.02	SW846-6010A
Sodium	N	127	mg/L		2	SW846-6010A
Tantalum	UX	0.2	mg/L		0.2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium		0.001	mg/L		0.001	IN7105
Vanadium	U	0.025	mg/L		0.02	SW846-6010A
Zinc	U	0.1	mg/L		0.1	SW846-6010A
<b>METAL-D</b>						
Barium, Dissolved		0.041	mg/L		0.02	SW846-6010A
Uranium, Dissolved		0.001	mg/L		0.001	IN7105
<b>PHYSC</b>						
Dissolved Solids		418	mg/L		100	EPA-160.2
<b>PCCB</b>						
PCB-1016	U	0.00017	mg/L		0.0002	SW846-8082
PCB-1221	U	0.00017	mg/L		0.0002	SW846-8082
PCB-1232	U	0.00017	mg/L		0.0002	SW846-8082
PCB-1242	U	0.00011	mg/L		0.0001	SW846-8082

## MW371

## UG02-04

## C-746 U QUARTERLY - JULY - UG02-04

PCB-1248	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1254	U	0.00013	mg/L	0.0001	SW846-8082
PCB-1260	U	0.00009	mg/L	9E-05	SW846-8082
PCB-1268	U	0.00009	mg/L	9E-05	SW846-8082
Polychlorinated biphenyl	U	0.00017	mg/L	0.0002	SW846-8082
<b>RADS</b>					
Alpha activity	U	4.15	pCi/L	2.39	10.5 EPA-900.0
Beta activity	U	2.82	pCi/L	0.62	6.63 EPA-900.0
Iodine-131	U	-3.73	pCi/L	7.46	21.7 RL-7124
Strontium-90	U	4.77	pCi/L	1.11	15 RL-7145
Technetium-99	U	-4.27	pCi/L	0	16.6 RL-7100
Tritium	U	-20.2	pCi/L	159	266 704R5
<b>VOA</b>					
1,1,1,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
2-Butanone	JU	0.01	mg/L	0.01	SW846-8260
2-Chloroethyl vinyl ether	U	0.01	mg/L	0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L	0.01	SW846-8260
Acetone	JU	0.01	mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L	0.01	SW846-8260
Benzene	U	0.005	mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromoform	U	0.005	mg/L	0.005	SW846-8260
Bromomethane	U	0.005	mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L	0.005	SW846-8260
Chloroethane	U	0.005	mg/L	0.005	SW846-8260
Chloromethane	U	0.005	mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Dibromomethane	U	0.005	mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	0.005	SW846-8260
Ethanol	U	0.25	mg/L	0.25	SW846-8015
Ethyl methacrylate	JU	0.005	mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L	0.005	SW846-8260
Iodomethane	JU	0.005	mg/L	0.005	SW846-8260
Methylene chloride	JU	0.01	mg/L	0.01	SW846-8260
Styrene	U	0.005	mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L	0.005	SW846-8260
Toluene	U	0.005	mg/L	0.005	SW846-8260
Total Xylene	U	0.015	mg/L	0.015	SW846-8260



**MW371****UG02-04****C-746 U QUARTERLY - JULY - UG02-04**

trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	JU	0.005 mg/L	0.005	SW846-8260
Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	35 mg/L	35	EPA-410.4 1978
Cyanide	UX	0.02 mg/L	0.02	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		4.1 mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.07 mg/L	0.05	SW846-9020B
Turbidity		5 NTU	0.5	EPA-180.1 1978

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Paducah-OREIS Data Report

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12/18/2007

MW369

UG02-05

C-746-U MW Abandonment and Replacement - Event 1 UG02-05

MW369UG3-02

Collected: 3/18/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Fluoride	U	1	mg/L		1	SW846-9056
Sulfate		15.5	mg/L		5	SW846-9056
Sulfide	U	1	mg/L		1	EPA-376.1
<b>Field P</b>						
Barometric Pressure Reading		29.77	Inches/Hg			
Conductivity		388	umho/cm			
Depth to Water		38.13	ft			
Dissolved Oxygen		5.41	mg/L			
pH		6.1	Std Unit			
Redox		215	mV			
Temperature		58	deg F			
<b>HERB</b>						
2,4,5-T	U	0.0005	mg/L		0.0005	SW846-8151
2,4-D	U	0.001	mg/L		0.001	SW846-8151
Silvex	U	0.0005	mg/L		0.0005	SW846-8151
<b>METAL</b>						
Aluminum	N	0.255	mg/L		0.2	SW846-6010A
Barium		0.218	mg/L		0.025	SW846-6010A
Beryllium	U	0.005	mg/L		0.005	SW846-6010A
Boron	JU	2	mg/L		2	SW846-6010A
Cadmium	BU	0.005	mg/L		0.005	SW846-7131
Calcium		29.5	mg/L		1	SW846-6010A
Chromium	U	0.025	mg/L		0.025	SW846-6010A
Cobalt	U	0.025	mg/L		0.025	SW846-6010A
Copper	U	0.025	mg/L		0.025	SW846-6010A
Iron	N	0.656	mg/L		0.2	SW846-6010A
Magnesium		11.4	mg/L		0.025	SW846-6010A
Manganese		0.034	mg/L		0.025	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	U	0.025	mg/L		0.025	SW846-6010A
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Potassium	U	2	mg/L		2	SW846-6010A
Rhodium	U	0.2	mg/L		0.2	SW846-6010A
Selenium	UW	0.01	mg/L		0.01	SW846-7740
Silver	U	0.025	mg/L		0.025	SW846-6010A
Sodium	N	35.7	mg/L		2	SW846-6010A
Tantalum	NU	0.2	mg/L		0.2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Tin	U	1	mg/L		1	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	B	0.025	mg/L		0.025	SW846-6010A
Zinc	U	0.1	mg/L		0.1	SW846-6010A
<b>METAL-D</b>						
Barium, Dissolved		0.203	mg/L		0.025	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids	*	173	mg/L		100	EPA-160.2
<b>PCCB</b>						
4,4'-DDD	U	0.0001	mg/L		0.0001	SW846-8081

**MW369**

**UG02-05**

**C-746-U MW Abandonment and Replacement - Event 1 UG02-05**

4,4'-DDE	U	0.0001	mg/L	0.0001	SW846-8081
4,4'-DDT	U	0.0001	mg/L	0.0001	SW846-8081
Aldrin	U	0.00005	mg/L	5E-05	SW846-8081
alpha-BHC	U	0.00005	mg/L	5E-05	SW846-8081
alpha-Chlordane	U	0.00005	mg/L	5E-05	SW846-8081
beta-BHC	U	0.00005	mg/L	5E-05	SW846-8081
delta-BHC	U	0.00005	mg/L	5E-05	SW846-8081
Dieldrin	U	0.0001	mg/L	0.0001	SW846-8081
Dimethoate	U	0.0005	mg/L	0.0005	SW846-8141
Disulfoton	U	0.0005	mg/L	0.0005	SW846-8141
Endosulfan I	U	0.00005	mg/L	5E-05	SW846-8081
Endosulfan II	U	0.0001	mg/L	0.0001	SW846-8081
Endosulfan sulfate	U	0.0001	mg/L	0.0001	SW846-8081
Endrin	U	0.0001	mg/L	0.0001	SW846-8081
Endrin aldehyde	U	0.0001	mg/L	0.0001	SW846-8081
Famphur	U	0.0012	mg/L	0.0012	SW846-8141
gamma-Chlordane	U	0.00005	mg/L	5E-05	SW846-8081
Heptachlor	U	0.00005	mg/L	5E-05	SW846-8081
Heptachlor epoxide	U	0.00005	mg/L	5E-05	SW846-8081
Isodrin	U	0.0001	mg/L	0.0001	SW846-8081
Kepone	U	0.0005	mg/L	0.0005	SW846-8081
Lindane	U	0.00005	mg/L	5E-05	SW846-8081
Methoxychlor	U	0.0005	mg/L	0.0005	SW846-8081
Methyl parathion	U	0.0005	mg/L	0.0005	SW846-8141
Parathion	U	0.0005	mg/L	0.0005	SW846-8141
PCB-1016	U	0.001	mg/L	0.001	SW846-8082
PCB-1221	U	0.001	mg/L	0.001	SW846-8082
PCB-1232	U	0.001	mg/L	0.001	SW846-8082
PCB-1242	U	0.001	mg/L	0.001	SW846-8082
PCB-1248	U	0.001	mg/L	0.001	SW846-8082
PCB-1254	U	0.001	mg/L	0.001	SW846-8082
PCB-1260	U	0.001	mg/L	0.001	SW846-8082
PCB-1268	U	0.001	mg/L	0.001	SW846-8082
Phorate	U	0.0005	mg/L	0.0005	SW846-8141
Polychlorinated biphenyl	U	0.001	mg/L	0.001	SW846-8082
Sulfotepp	U	0.0005	mg/L	0.0005	SW846-8141
Thionazin	U	0.0005	mg/L	0.0005	SW846-8141
Toxaphene	U	0.005	mg/L	0.005	SW846-8081

**RADS**

Alpha activity	MU	2.9	pCi/L	1.37	6.5	EPA-900.0
Beta activity		32.5	pCi/L	3.83	5.73	EPA-900.0
Iodine-131	U	8.99	pCi/L	18	17.5	RL-7124
Strontium-90	U	7.94	pCi/L	1.83	14.9	RL-7145
Technetium-99		41.7	pCi/L	12.4	16.2	RL-7100
Tritium	U	-162	pCi/L	165	280	704R5

**SVOA**

1,2,4,5-Tetrachlorobenzene	U	0.01	mg/L	0.01	SW846-8270C
1,2,4-Trichlorobenzene	U	0.01	mg/L	0.01	SW846-8270C
1,3,5-Trinitrobenzene	U	0.01	mg/L	0.01	SW846-8270C
1,3-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260B
1,3-Dinitrobenzene	U	0.01	mg/L	0.01	SW846-8270C
1,4-Dioxane	U	0.01	mg/L	0.01	SW846-8270C
1,4-Naphthoquinone	U	0.01	mg/L	0.01	SW846-8270C
1-Naphthalenamine	U	0.01	mg/L	0.01	SW846-8270C
2,3,4,6-Tetrachlorophenol	U	0.01	mg/L	0.01	SW846-8270C

## MW369

## UG02-05

## C-746-U MW Abandonment and Replacement - Event 1 UG02-05

2,4,5-Trichlorophenol	U	0.025	mg/L	0.025	SW846-8270C
2,4,6-Trichlorophenol	U	0.01	mg/L	0.01	SW846-8270C
2,4-Dichlorophenol	U	0.01	mg/L	0.01	SW846-8270C
2,4-Dimethylphenol	U	0.01	mg/L	0.01	SW846-8270C
2,4-Dinitrophenol	U	0.025	mg/L	0.025	SW846-8270C
2,4-Dinitrotoluene	U	0.01	mg/L	0.01	SW846-8270C
2,6-Dichlorophenol	U	0.01	mg/L	0.01	SW846-8270C
2,6-Dinitrotoluene	U	0.01	mg/L	0.01	SW846-8270C
2-Acetylaminofluorene	U	0.01	mg/L	0.01	SW846-8270C
2-Chloronaphthalene	U	0.01	mg/L	0.01	SW846-8270C
2-Chlorophenol	U	0.01	mg/L	0.01	SW846-8270C
2-Methyl-4,6-dinitrophenol	U	0.025	mg/L	0.025	SW846-8270C
2-Methylnaphthalene	U	0.01	mg/L	0.01	SW846-8270C
2-Methylphenol	U	0.01	mg/L	0.01	SW846-8270C
2-Naphthalenamine	U	0.01	mg/L	0.01	SW846-8270C
2-Nitrobenzenamine	U	0.025	mg/L	0.025	SW846-8270C
2-Nitrophenol	U	0.01	mg/L	0.01	SW846-8270C
3,3'-Dichlorobenzidine	U	0.01	mg/L	0.01	SW846-8270C
3,3'-Dimethylbenzidine	U	0.01	mg/L	0.01	SW846-8270C
3-Methylcholanthrene	U	0.01	mg/L	0.01	SW846-8270C
3-Methylphenol	U	0.01	mg/L	0.01	SW846-8270C
3-Nitrobenzenamine	U	0.025	mg/L	0.025	SW846-8270C
4-Aminobiphenyl	U	0.01	mg/L	0.01	SW846-8270C
4-Bromophenyl phenyl ether	U	0.01	mg/L	0.01	SW846-8270C
4-Chloro-3-methylphenol	U	0.01	mg/L	0.01	SW846-8270C
4-Chlorobenzenamine	U	0.01	mg/L	0.01	SW846-8270C
4-Chlorophenyl phenyl ether	U	0.01	mg/L	0.01	SW846-8270C
4-Nitrobenzenamine	U	0.025	mg/L	0.025	SW846-8270C
4-Nitrophenol	U	0.025	mg/L	0.025	SW846-8270C
5-(2-Propenyl)-1,3-benzodioxole (Safr	U	0.01	mg/L	0.01	SW846-8270C
5-Nitro-o-toluidine	U	0.01	mg/L	0.01	SW846-8270C
7,12-Dimethylbenz(a)anthracene	U	0.01	mg/L	0.01	SW846-8270C
Acenaphthene	U	0.01	mg/L	0.01	SW846-8270C
Acenaphthylene	U	0.01	mg/L	0.01	SW846-8270C
Acetophenone	U	0.01	mg/L	0.01	SW846-8270C
Anthracene	U	0.01	mg/L	0.01	SW846-8270C
Benz(a)anthracene	U	0.01	mg/L	0.01	SW846-8270C
Benzenemethanol	U	0.01	mg/L	0.01	SW846-8270C
Benzo(a)pyrene	U	0.01	mg/L	0.01	SW846-8270C
Benzo(b)fluoranthene	U	0.01	mg/L	0.01	SW846-8270C
Benzo(ghi)perylene	U	0.01	mg/L	0.01	SW846-8270C
Benzo(k)fluoranthene	U	0.01	mg/L	0.01	SW846-8270C
Bis(2-chloroethoxy)methane	U	0.01	mg/L	0.01	SW846-8270C
Bis(2-chloroethyl) ether	U	0.01	mg/L	0.01	SW846-8270C
Bis(2-chloroisopropyl) ether	U	0.01	mg/L	0.01	SW846-8270C
Bis(2-ethylhexyl)phthalate	J	0.0006	mg/L	0.01	SW846-8270C
Butyl benzyl phthalate	U	0.01	mg/L	0.01	SW846-8270C
Chlorobenzilate	U	0.01	mg/L	0.01	SW846-8270C
Chrysene	U	0.01	mg/L	0.01	SW846-8270C
Diallate	U	0.01	mg/L	0.01	SW846-8270C
Dibenz(a,h)anthracene	U	0.01	mg/L	0.01	SW846-8270C
Dibenzofuran	U	0.01	mg/L	0.01	SW846-8270C
Diethyl phthalate	U	0.01	mg/L	0.01	SW846-8270C
Dimethyl phthalate	J	0.001	mg/L	0.01	SW846-8270C
Di-n-butyl phthalate	U	0.01	mg/L	0.01	SW846-8270C

**MW369****UG02-05****C-746-U MW Abandonment and Replacement - Event 1 UG02-05**

Di-n-octylphthalate	U	0.01	mg/L	0.01	SW846-8270C
Dinoseb	U	0.05	mg/L	0.05	SW846-8270C
Ethyl methanesulfonate	U	0.01	mg/L	0.01	SW846-8270C
Fluoranthene	U	0.01	mg/L	0.01	SW846-8270C
Fluorene	U	0.01	mg/L	0.01	SW846-8270C
Hexachloro-1-propene	U	0.01	mg/L	0.01	SW846-8270C
Hexachlorobenzene	U	0.01	mg/L	0.01	SW846-8270C
Hexachlorobutadiene	U	0.01	mg/L	0.01	SW846-8270C
Hexachlorocyclopentadiene	U	0.01	mg/L	0.01	SW846-8270C
Hexachloroethane	U	0.01	mg/L	0.01	SW846-8270C
Indeno(1,2,3-cd)pyrene	U	0.01	mg/L	0.01	SW846-8270C
Isodrin	U	0.01	mg/L	0.01	SW846-8270C
Isophorone	U	0.01	mg/L	0.01	SW846-8270C
Isosafrole	U	0.01	mg/L	0.01	SW846-8270C
Methapyrilene	U	0.01	mg/L	0.01	SW846-8270C
Methyl methanesulfonate	U	0.01	mg/L	0.01	SW846-8270C
Naphthalene	U	0.01	mg/L	0.01	SW846-8270C
Nitrobenzene	U	0.01	mg/L	0.01	SW846-8270C
N-Nitrosodiethylamine	U	0.01	mg/L	0.01	SW846-8270C
N-Nitrosodimethylamine	U	0.01	mg/L	0.01	SW846-8270C
N-Nitroso-di-n-butylamine	U	0.01	mg/L	0.01	SW846-8270C
N-Nitroso-di-n-propylamine	U	0.01	mg/L	0.01	SW846-8270C
N-Nitrosodiphenylamine	U	0.01	mg/L	0.01	SW846-8270C
N-Nitrosomethylethylamine	U	0.01	mg/L	0.01	SW846-8270C
N-Nitrosopiperidine	U	0.05	mg/L	0.05	SW846-8270C
N-Nitrosopyrrolidine	U	0.01	mg/L	0.01	SW846-8270C
O,O,O-Triethylphosphorothioate	U	0.0005	mg/L	0.0005	SW846-8141
o-Toluidine	U	0.01	mg/L	0.01	SW846-8270C
p-Dimethylaminoazobenzene	U	0.01	mg/L	0.01	SW846-8270C
Pentachlorobenzene	U	0.01	mg/L	0.01	SW846-8270C
Pentachloroethane	U	0.01	mg/L	0.01	SW846-8270C
Pentachloronitrobenzene	U	0.05	mg/L	0.05	SW846-8270C
Pentachlorophenol	U	0.025	mg/L	0.025	SW846-8270C
Phenacetin	U	0.01	mg/L	0.01	SW846-8270C
Phenanthrene	U	0.01	mg/L	0.01	SW846-8270C
Phenol	U	0.01	mg/L	0.01	SW846-8270C
p-Phenylenediamine	U	0.01	mg/L	0.01	SW846-8270C
Pronamide	U	0.01	mg/L	0.01	SW846-8270C
Pyrene	U	0.01	mg/L	0.01	SW846-8270C

**VOA**

1,1,1,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260B
1,1,1-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260B
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260B
1,1,2-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260B
1,1-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260B
1,1-Dichloropropene	U	0.01	mg/L	0.01	SW846-8260B
1,2,3-Trichloropropane	U	0.01	mg/L	0.01	SW846-8260B
1,2-Dibromo-3-chloropropane	U	0.02	mg/L	0.02	SW846-8260B
1,2-Dibromoethane	U	0.02	mg/L	0.02	SW846-8260B
1,2-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260B
1,2-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260B
1,2-Dichloropropane	U	0.005	mg/L	0.005	SW846-8260B
1,2-Dimethylbenzene	U	0.005	mg/L	0.005	SW846-8260B
1,3-Dichloropropane	U	0.01	mg/L	0.01	SW846-8260B
1,3-Dimethylbenzene	U	0.005	mg/L	0.005	SW846-8260B

## MW369

## UG02-05

## C-746-U MW Abandonment and Replacement - Event 1 UG02-05

1,4-Dichlorobenzene	U	0.005 mg/L	0.005	SW846-8260B
2,2-Dichloropropane	U	0.01 mg/L	0.01	SW846-8260B
2-Butanone	U	0.05 mg/L	0.05	SW846-8260B
2-Chloro-1,3-butadiene	U	0.01 mg/L	0.01	SW846-8260B
2-Chloroethyl vinyl ether	U	0.01 mg/L	0.01	SW846-8260B
2-Hexanone	U	0.01 mg/L	0.01	SW846-8260B
4-Methyl-2-pentanone	U	0.01 mg/L	0.01	SW846-8260B
Acetone	J	0.005 mg/L	0.01	SW846-8260B
Acrylonitrile	U	0.01 mg/L	0.01	SW846-8260B
Allyl chloride	U	0.02 mg/L	0.02	SW846-8260B
Benzene	U	0.005 mg/L	0.005	SW846-8260B
Bromochloromethane	U	0.005 mg/L	0.005	SW846-8260B
Bromodichloromethane	U	0.005 mg/L	0.005	SW846-8260B
Bromoform	U	0.005 mg/L	0.005	SW846-8260B
Bromomethane	U	0.01 mg/L	0.01	SW846-8260B
Carbon disulfide	U	0.005 mg/L	0.005	SW846-8260B
Carbon tetrachloride	U	0.005 mg/L	0.005	SW846-8260B
Chlorobenzene	U	0.005 mg/L	0.005	SW846-8260B
Chloroethane	U	0.01 mg/L	0.01	SW846-8260B
Chloroform	J	0.001 mg/L	0.005	SW846-8260B
Chloromethane	U	0.01 mg/L	0.01	SW846-8260B
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260B
cis-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260B
Dibromochloromethane	U	0.005 mg/L	0.005	SW846-8260B
Dibromomethane	U	0.01 mg/L	0.01	SW846-8260B
Dichlorodifluoromethane	U	0.01 mg/L	0.01	SW846-8260B
Ethanol	U	5 mg/L	5	SW846-8015
Ethyl cyanide	U	0.05 mg/L	0.05	SW846-8260B
Ethyl methacrylate	U	0.01 mg/L	0.01	SW846-8260B
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260B
Iodomethane	U	0.01 mg/L	0.01	SW846-8260B
Isobutanol	U	0.1 mg/L	0.1	SW846-8260B
Methacrylonitrile	U	0.02 mg/L	0.02	SW846-8260B
Methyl methacrylate	U	0.01 mg/L	0.01	SW846-8260B
Methylene chloride	JB	0.002 mg/L	0.005	SW846-8260B
Styrene	U	0.005 mg/L	0.005	SW846-8260B
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260B
Toluene	U	0.005 mg/L	0.005	SW846-8260B
Total Xylene	U	0.005 mg/L	0.005	SW846-8260B
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260B
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260B
Trans-1,4-Dichloro-2-butene	U	0.02 mg/L	0.02	SW846-8260B
Trichloroethene		0.011 mg/L	0.005	SW846-8260B
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260B
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260B
<b>WETCHEM</b>				
Bicarbonate as CaCO3		110 mg/L	10	SM-2320 B 17
Carbonate as CaCO3	U	10 mg/L	10	SM-2320 B 17
Chemical Oxygen Demand (COD)	U	35 mg/L	35	EPA-410.4 1978
Cyanide	UX	0.02 mg/L	0.02	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		1.7 mg/L	1	SW846-9060
Total Organic Halides (TOX)	UY	0.05 mg/L	0.05	SW846-9020B
Turbidity		3.1 NTU	0.5	EPA-180.1 1978

# Paducah-OREIS Data Report

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**MW370**

**UG02-05**

## C-746-U MW Abandonment and Replacement - Event 1 UG02-05

**MW370UG3-02**

Collected: 3/17/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Fluoride	U	1	mg/L		1	SW846-9056
Sulfate		17.4	mg/L		5	SW846-9056
Sulfide	U	1	mg/L		1	EPA-376.1
<b>Field P</b>						
Barometric Pressure Reading		29.59	Inches/Hg			
Conductivity		406	umho/cm			
Depth to Water		38.83	ft			
Dissolved Oxygen		4.32	mg/L			
pH		6.3	Std Unit			
Redox		140	mV			
Temperature		58.4	deg F			
<b>HERB</b>						
2,4,5-T	U	0.0005	mg/L		0.0005	SW846-8151
2,4-D	U	0.001	mg/L		0.001	SW846-8151
Silvex	U	0.0005	mg/L		0.0005	SW846-8151
<b>METAL</b>						
Aluminum	N	4.66	mg/L		0.2	SW846-6010A
Barium		0.189	mg/L		0.025	SW846-6010A
Beryllium	U	0.005	mg/L		0.005	SW846-6010A
Boron	U	2	mg/L		2	SW846-6010A
Cadmium	BUW	0.005	mg/L		0.005	SW846-7131
Calcium		34.8	mg/L		1	SW846-6010A
Chromium	U	0.025	mg/L		0.025	SW846-6010A
Cobalt	U	0.025	mg/L		0.025	SW846-6010A
Copper	U	0.025	mg/L		0.025	SW846-6010A
Iron		9.34	mg/L		0.2	SW846-6010A
Magnesium		12.1	mg/L		0.025	SW846-6010A
Manganese		0.244	mg/L		0.025	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	U	0.025	mg/L		0.025	SW846-6010A
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Potassium		3.22	mg/L		2	SW846-6010A
Rhodium	UX	0.2	mg/L		0.2	SW846-6010A
Selenium	U	0.01	mg/L		0.01	SW846-7740
Silver	BU	0.025	mg/L		0.025	SW846-6010A
Sodium	N	31.8	mg/L		2	SW846-6010A
Tantalum	UX	0.2	mg/L		0.2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Tin	U	1	mg/L		1	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium		0.035	mg/L		0.025	SW846-6010A
Zinc	U	0.1	mg/L		0.1	SW846-6010A
<b>METAL-D</b>						
Barium, Dissolved		0.172	mg/L		0.025	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids	*	236	mg/L		100	EPA-160.2
<b>PCCB</b>						
4,4'-DDD	U	0.0001	mg/L		0.0001	SW846-8081

**MW370****UG02-05****C-746-U MW Abandonment and Replacement - Event 1 UG02-05**

4,4'-DDE	U	0.0001	mg/L	0.0001	SW846-8081
4,4'-DDT	U	0.0001	mg/L	0.0001	SW846-8081
Aldrin	U	0.00005	mg/L	5E-05	SW846-8081
alpha-BHC	U	0.00005	mg/L	5E-05	SW846-8081
alpha-Chlordane	U	0.00005	mg/L	5E-05	SW846-8081
beta-BHC	U	0.00005	mg/L	5E-05	SW846-8081
delta-BHC	U	0.00005	mg/L	5E-05	SW846-8081
Dieldrin	U	0.0001	mg/L	0.0001	SW846-8081
Dimethoate	U	0.0005	mg/L	0.0005	SW846-8141
Disulfoton	U	0.0005	mg/L	0.0005	SW846-8141
Endosulfan I	U	0.00005	mg/L	5E-05	SW846-8081
Endosulfan II	U	0.0001	mg/L	0.0001	SW846-8081
Endosulfan sulfate	U	0.0001	mg/L	0.0001	SW846-8081
Endrin	U	0.0001	mg/L	0.0001	SW846-8081
Endrin aldehyde	U	0.0001	mg/L	0.0001	SW846-8081
Famphur	U	0.0012	mg/L	0.0012	SW846-8141
gamma-Chlordane	U	0.00005	mg/L	5E-05	SW846-8081
Heptachlor	U	0.00005	mg/L	5E-05	SW846-8081
Heptachlor epoxide	U	0.00005	mg/L	5E-05	SW846-8081
Isodrin	U	0.0001	mg/L	0.0001	SW846-8081
Kepone	U	0.0005	mg/L	0.0005	SW846-8081
Lindane	U	0.00005	mg/L	5E-05	SW846-8081
Methoxychlor	U	0.0005	mg/L	0.0005	SW846-8081
Methyl parathion	U	0.0005	mg/L	0.0005	SW846-8141
Parathion	U	0.0005	mg/L	0.0005	SW846-8141
PCB-1016	U	0.001	mg/L	0.001	SW846-8082
PCB-1221	U	0.001	mg/L	0.001	SW846-8082
PCB-1232	U	0.001	mg/L	0.001	SW846-8082
PCB-1242	U	0.001	mg/L	0.001	SW846-8082
PCB-1248	U	0.001	mg/L	0.001	SW846-8082
PCB-1254	U	0.001	mg/L	0.001	SW846-8082
PCB-1260	U	0.001	mg/L	0.001	SW846-8082
PCB-1268	U	0.001	mg/L	0.001	SW846-8082
Phorate	U	0.0005	mg/L	0.0005	SW846-8141
Polychlorinated biphenyl	U	0.001	mg/L	0.001	SW846-8082
Sulfotepp	U	0.0005	mg/L	0.0005	SW846-8141
Thionazin	U	0.0005	mg/L	0.0005	SW846-8141
Toxaphene	U	0.005	mg/L	0.005	SW846-8081

**RADS**

Alpha activity	MU	5.09	pCi/L	2.47	6.81	EPA-900.0
Beta activity		10.1	pCi/L	1.76	5.82	EPA-900.0
Iodine-131	U	2.45	pCi/L	4.9	6.16	RL-7124
Strontium-90	U	10.1	pCi/L	2.27	14.9	RL-7145
Technetium-99	U	10.8	pCi/L	11.5	16.3	RL-7100
Tritium	U	-115	pCi/L	166	280	704R5

**SVOA**

1,2,4,5-Tetrachlorobenzene	U	0.01	mg/L	0.01	SW846-8270C
1,2,4-Trichlorobenzene	U	0.01	mg/L	0.01	SW846-8270C
1,3,5-Trinitrobenzene	U	0.01	mg/L	0.01	SW846-8270C
1,3-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260B
1,3-Dinitrobenzene	U	0.01	mg/L	0.01	SW846-8270C
1,4-Dioxane	U	0.01	mg/L	0.01	SW846-8270C
1,4-Naphthoquinone	U	0.01	mg/L	0.01	SW846-8270C
1-Naphthalenamine	U	0.01	mg/L	0.01	SW846-8270C
2,3,4,6-Tetrachlorophenol	U	0.01	mg/L	0.01	SW846-8270C



## MW370

## UG02-05

## C-746-U MW Abandonment and Replacement - Event 1 UG02-05

2,4,5-Trichlorophenol	U	0.025	mg/L	0.025	SW846-8270C
2,4,6-Trichlorophenol	U	0.01	mg/L	0.01	SW846-8270C
2,4-Dichlorophenol	U	0.01	mg/L	0.01	SW846-8270C
2,4-Dimethylphenol	U	0.01	mg/L	0.01	SW846-8270C
2,4-Dinitrophenol	U	0.025	mg/L	0.025	SW846-8270C
2,4-Dinitrotoluene	U	0.01	mg/L	0.01	SW846-8270C
2,6-Dichlorophenol	U	0.01	mg/L	0.01	SW846-8270C
2,6-Dinitrotoluene	U	0.01	mg/L	0.01	SW846-8270C
2-Acetylaminofluorene	U	0.01	mg/L	0.01	SW846-8270C
2-Chloronaphthalene	U	0.01	mg/L	0.01	SW846-8270C
2-Chlorophenol	U	0.01	mg/L	0.01	SW846-8270C
2-Methyl-4,6-dinitrophenol	U	0.025	mg/L	0.025	SW846-8270C
2-Methylnaphthalene	U	0.01	mg/L	0.01	SW846-8270C
2-Methylphenol	U	0.01	mg/L	0.01	SW846-8270C
2-Naphthalenamine	U	0.01	mg/L	0.01	SW846-8270C
2-Nitrobenzenamine	U	0.025	mg/L	0.025	SW846-8270C
2-Nitrophenol	U	0.01	mg/L	0.01	SW846-8270C
3,3'-Dichlorobenzidine	U	0.01	mg/L	0.01	SW846-8270C
3,3'-Dimethylbenzidine	U	0.01	mg/L	0.01	SW846-8270C
3-Methylcholanthrene	U	0.01	mg/L	0.01	SW846-8270C
3-Methylphenol	U	0.01	mg/L	0.01	SW846-8270C
3-Nitrobenzenamine	U	0.025	mg/L	0.025	SW846-8270C
4-Aminobiphenyl	U	0.01	mg/L	0.01	SW846-8270C
4-Bromophenyl phenyl ether	U	0.01	mg/L	0.01	SW846-8270C
4-Chloro-3-methylphenol	U	0.01	mg/L	0.01	SW846-8270C
4-Chlorobenzenamine	U	0.01	mg/L	0.01	SW846-8270C
4-Chlorophenyl phenyl ether	U	0.01	mg/L	0.01	SW846-8270C
4-Nitrobenzenamine	U	0.025	mg/L	0.025	SW846-8270C
4-Nitrophenol	U	0.025	mg/L	0.025	SW846-8270C
5-(2-Propenyl)-1,3-benzodioxole (Safr	U	0.01	mg/L	0.01	SW846-8270C
5-Nitro-o-toluidine	U	0.01	mg/L	0.01	SW846-8270C
7,12-Dimethylbenz(a)anthracene	U	0.01	mg/L	0.01	SW846-8270C
Acenaphthene	U	0.01	mg/L	0.01	SW846-8270C
Acenaphthylene	U	0.01	mg/L	0.01	SW846-8270C
Acetophenone	U	0.01	mg/L	0.01	SW846-8270C
Anthracene	U	0.01	mg/L	0.01	SW846-8270C
Benz(a)anthracene	U	0.01	mg/L	0.01	SW846-8270C
Benzenemethanol	U	0.01	mg/L	0.01	SW846-8270C
Benzo(a)pyrene	U	0.01	mg/L	0.01	SW846-8270C
Benzo(b)fluoranthene	U	0.01	mg/L	0.01	SW846-8270C
Benzo(ghi)perylene	U	0.01	mg/L	0.01	SW846-8270C
Benzo(k)fluoranthene	U	0.01	mg/L	0.01	SW846-8270C
Bis(2-chloroethoxy)methane	U	0.01	mg/L	0.01	SW846-8270C
Bis(2-chloroethyl) ether	U	0.01	mg/L	0.01	SW846-8270C
Bis(2-chloroisopropyl) ether	U	0.01	mg/L	0.01	SW846-8270C
Bis(2-ethylhexyl)phthalate	U	0.01	mg/L	0.01	SW846-8270C
Butyl benzyl phthalate	U	0.01	mg/L	0.01	SW846-8270C
Chlorobenzilate	U	0.01	mg/L	0.01	SW846-8270C
Chrysene	U	0.01	mg/L	0.01	SW846-8270C
Diallate	U	0.01	mg/L	0.01	SW846-8270C
Dibenz(a,h)anthracene	U	0.01	mg/L	0.01	SW846-8270C
Dibenzofuran	U	0.01	mg/L	0.01	SW846-8270C
Diethyl phthalate	U	0.01	mg/L	0.01	SW846-8270C
Dimethyl phthalate	U	0.01	mg/L	0.01	SW846-8270C
Di-n-butyl phthalate	U	0.01	mg/L	0.01	SW846-8270C

**MW370****UG02-05****C-746-U MW Abandonment and Replacement - Event 1 UG02-05**

Di-n-octylphthalate	U	0.01	mg/L	0.01	SW846-8270C
Dinoseb	U	0.05	mg/L	0.05	SW846-8270C
Ethyl methanesulfonate	U	0.01	mg/L	0.01	SW846-8270C
Fluoranthene	U	0.01	mg/L	0.01	SW846-8270C
Fluorene	U	0.01	mg/L	0.01	SW846-8270C
Hexachloro-1-propene	U	0.01	mg/L	0.01	SW846-8270C
Hexachlorobenzene	U	0.01	mg/L	0.01	SW846-8270C
Hexachlorobutadiene	U	0.01	mg/L	0.01	SW846-8270C
Hexachlorocyclopentadiene	U	0.01	mg/L	0.01	SW846-8270C
Hexachloroethane	U	0.01	mg/L	0.01	SW846-8270C
Indeno(1,2,3-cd)pyrene	U	0.01	mg/L	0.01	SW846-8270C
Isodrin	U	0.01	mg/L	0.01	SW846-8270C
Isophorone	U	0.01	mg/L	0.01	SW846-8270C
Isosafrole	U	0.01	mg/L	0.01	SW846-8270C
Methapyrilene	U	0.01	mg/L	0.01	SW846-8270C
Methyl methanesulfonate	U	0.01	mg/L	0.01	SW846-8270C
Naphthalene	U	0.01	mg/L	0.01	SW846-8270C
Nitrobenzene	U	0.01	mg/L	0.01	SW846-8270C
N-Nitrosodiethylamine	U	0.01	mg/L	0.01	SW846-8270C
N-Nitrosodimethylamine	U	0.01	mg/L	0.01	SW846-8270C
N-Nitroso-di-n-butylamine	U	0.01	mg/L	0.01	SW846-8270C
N-Nitroso-di-n-propylamine	U	0.01	mg/L	0.01	SW846-8270C
N-Nitrosodiphenylamine	U	0.01	mg/L	0.01	SW846-8270C
N-Nitrosomethylethylamine	U	0.01	mg/L	0.01	SW846-8270C
N-Nitrosopiperidine	U	0.05	mg/L	0.05	SW846-8270C
N-Nitrosopyrrolidine	U	0.01	mg/L	0.01	SW846-8270C
O,O,O-Triethylphosphorothioate	U	0.0005	mg/L	0.0005	SW846-8141
o-Toluidine	U	0.01	mg/L	0.01	SW846-8270C
p-Dimethylaminoazobenzene	U	0.01	mg/L	0.01	SW846-8270C
Pentachlorobenzene	U	0.01	mg/L	0.01	SW846-8270C
Pentachloroethane	U	0.01	mg/L	0.01	SW846-8270C
Pentachloronitrobenzene	U	0.05	mg/L	0.05	SW846-8270C
Pentachlorophenol	U	0.025	mg/L	0.025	SW846-8270C
Phenacetin	U	0.01	mg/L	0.01	SW846-8270C
Phenanthrene	U	0.01	mg/L	0.01	SW846-8270C
Phenol	U	0.01	mg/L	0.01	SW846-8270C
p-Phenylenediamine	U	0.01	mg/L	0.01	SW846-8270C
Pronamide	U	0.01	mg/L	0.01	SW846-8270C
Pyrene	U	0.01	mg/L	0.01	SW846-8270C

**VOA**

1,1,1,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260B
1,1,1-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260B
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260B
1,1,2-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260B
1,1-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260B
1,1-Dichloropropene	U	0.01	mg/L	0.01	SW846-8260B
1,2,3-Trichloropropane	U	0.01	mg/L	0.01	SW846-8260B
1,2-Dibromo-3-chloropropane	U	0.02	mg/L	0.02	SW846-8260B
1,2-Dibromoethane	U	0.02	mg/L	0.02	SW846-8260B
1,2-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260B
1,2-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260B
1,2-Dichloropropane	U	0.005	mg/L	0.005	SW846-8260B
1,2-Dimethylbenzene	U	0.005	mg/L	0.005	SW846-8260B
1,3-Dichloropropane	U	0.01	mg/L	0.01	SW846-8260B
1,3-Dimethylbenzene	U	0.005	mg/L	0.005	SW846-8260B

## MW370

## UG02-05

## C-746-U MW Abandonment and Replacement - Event 1 UG02-05

1,4-Dichlorobenzene	U	0.005 mg/L	0.005	SW846-8260B
2,2-Dichloropropane	U	0.01 mg/L	0.01	SW846-8260B
2-Butanone	U	0.05 mg/L	0.05	SW846-8260B
2-Chloro-1,3-butadiene	U	0.01 mg/L	0.01	SW846-8260B
2-Chloroethyl vinyl ether	U	0.01 mg/L	0.01	SW846-8260B
2-Hexanone	U	0.01 mg/L	0.01	SW846-8260B
4-Methyl-2-pentanone	U	0.01 mg/L	0.01	SW846-8260B
Acetone		0.018 mg/L	0.01	SW846-8260B
Acrylonitrile	U	0.01 mg/L	0.01	SW846-8260B
Allyl chloride	U	0.02 mg/L	0.02	SW846-8260B
Benzene	U	0.005 mg/L	0.005	SW846-8260B
Bromochloromethane	U	0.005 mg/L	0.005	SW846-8260B
Bromodichloromethane	U	0.005 mg/L	0.005	SW846-8260B
Bromoform	U	0.005 mg/L	0.005	SW846-8260B
Bromomethane	U	0.01 mg/L	0.01	SW846-8260B
Carbon disulfide	U	0.005 mg/L	0.005	SW846-8260B
Carbon tetrachloride	U	0.005 mg/L	0.005	SW846-8260B
Chlorobenzene	U	0.005 mg/L	0.005	SW846-8260B
Chloroethane	U	0.01 mg/L	0.01	SW846-8260B
Chloromethane	U	0.01 mg/L	0.01	SW846-8260B
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260B
cis-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260B
Dibromochloromethane	U	0.005 mg/L	0.005	SW846-8260B
Dibromomethane	U	0.01 mg/L	0.01	SW846-8260B
Dichlorodifluoromethane	U	0.01 mg/L	0.01	SW846-8260B
Ethanol	U	5 mg/L	5	SW846-8015
Ethyl cyanide	U	0.05 mg/L	0.05	SW846-8260B
Ethyl methacrylate	U	0.01 mg/L	0.01	SW846-8260B
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260B
Iodomethane	U	0.01 mg/L	0.01	SW846-8260B
Isobutanol	U	0.1 mg/L	0.1	SW846-8260B
Methacrylonitrile	U	0.02 mg/L	0.02	SW846-8260B
Methyl methacrylate	U	0.01 mg/L	0.01	SW846-8260B
Methylene chloride	JB	0.002 mg/L	0.005	SW846-8260B
Styrene	U	0.005 mg/L	0.005	SW846-8260B
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260B
Toluene	U	0.005 mg/L	0.005	SW846-8260B
Total Xylene	U	0.005 mg/L	0.005	SW846-8260B
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260B
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260B
Trichloroethene		0.019 mg/L	0.005	SW846-8260B
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260B
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260B
<b>WETCHEM</b>				
Bicarbonate as CaCO3		143 mg/L	10	SM-2320 B 17
Carbonate as CaCO3	U	10 mg/L	10	SM-2320 B 17
Chemical Oxygen Demand (COD)	U	35 mg/L	35	EPA-410.4 1978
Cyanide	UX	0.02 mg/L	0.02	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		1.2 mg/L	1	SW846-9060
Total Organic Halides (TOX)	UY	0.05 mg/L	0.05	SW846-9020B
Turbidity		110 NTU	0.5	EPA-180.1 1978

# Paducah-OREIS Data Report

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12/18/2007

**MW371**

**UG02-05**

## C-746-U MW Abandonment and Replacement - Event 1 UG02-05

**MW371UG3-02**

Collected: 3/18/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Fluoride	U	1	mg/L		1	SW846-9056
Sulfate		16.3	mg/L		5	SW846-9056
Sulfide	U	1	mg/L		1	EPA-376.1
<b>Field P</b>						
Barometric Pressure Reading		29.77	Inches/Hg			
Conductivity		541	umho/cm			
Depth to Water		25.14	ft			
Dissolved Oxygen		2.26	mg/L			
pH		6.3	Std Unit			
Redox		75	mV			
Temperature		58.5	deg F			
<b>HERB</b>						
2,4,5-T	U	0.0005	mg/L		0.0005	SW846-8151
2,4-D	U	0.001	mg/L		0.001	SW846-8151
Silvex	U	0.0005	mg/L		0.0005	SW846-8151
<b>METAL</b>						
Aluminum	N	2.24	mg/L		0.2	SW846-6010A
Barium		0.035	mg/L		0.025	SW846-6010A
Beryllium	U	0.005	mg/L		0.005	SW846-6010A
Boron	JU	2	mg/L		2	SW846-6010A
Cadmium	BU	0.005	mg/L		0.005	SW846-7131
Calcium		17.2	mg/L		1	SW846-6010A
Chromium	U	0.025	mg/L		0.025	SW846-6010A
Cobalt	U	0.025	mg/L		0.025	SW846-6010A
Copper	U	0.025	mg/L		0.025	SW846-6010A
Iron	N	1.31	mg/L		0.2	SW846-6010A
Magnesium		7.1	mg/L		0.025	SW846-6010A
Manganese		0.063	mg/L		0.025	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	U	0.025	mg/L		0.025	SW846-6010A
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Potassium	U	2	mg/L		2	SW846-6010A
Rhodium	U	0.2	mg/L		0.2	SW846-6010A
Selenium	UW	0.01	mg/L		0.01	SW846-7740
Silver	U	0.025	mg/L		0.025	SW846-6010A
Sodium	N	129	mg/L		2	SW846-6010A
Tantalum	NU	0.2	mg/L		0.2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Tin	U	1	mg/L		1	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	BU	0.025	mg/L		0.025	SW846-6010A
Zinc	U	0.1	mg/L		0.1	SW846-6010A
<b>METAL-D</b>						
Barium, Dissolved		0.029	mg/L		0.025	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids	*	274	mg/L		100	EPA-160.2
<b>PCCB</b>						
4,4'-DDD	U	0.0001	mg/L		0.0001	SW846-8081

## MW371

## UG02-05

## C-746-U MW Abandonment and Replacement - Event 1 UG02-05

4,4'-DDE	U	0.0001	mg/L	0.0001	SW846-8081
4,4'-DDT	U	0.0001	mg/L	0.0001	SW846-8081
Aldrin	U	0.00005	mg/L	5E-05	SW846-8081
alpha-BHC	U	0.00005	mg/L	5E-05	SW846-8081
alpha-Chlordane	U	0.00005	mg/L	5E-05	SW846-8081
beta-BHC	U	0.00005	mg/L	5E-05	SW846-8081
delta-BHC	U	0.00005	mg/L	5E-05	SW846-8081
Dieldrin	U	0.0001	mg/L	0.0001	SW846-8081
Dimethoate	U	0.0005	mg/L	0.0005	SW846-8141
Disulfoton	U	0.0005	mg/L	0.0005	SW846-8141
Endosulfan I	U	0.00005	mg/L	5E-05	SW846-8081
Endosulfan II	U	0.0001	mg/L	0.0001	SW846-8081
Endosulfan sulfate	U	0.0001	mg/L	0.0001	SW846-8081
Endrin	U	0.0001	mg/L	0.0001	SW846-8081
Endrin aldehyde	U	0.0001	mg/L	0.0001	SW846-8081
Famphur	U	0.0012	mg/L	0.0012	SW846-8141
gamma-Chlordane	U	0.00005	mg/L	5E-05	SW846-8081
Heptachlor	U	0.00005	mg/L	5E-05	SW846-8081
Heptachlor epoxide	U	0.00005	mg/L	5E-05	SW846-8081
Isodrin	U	0.0001	mg/L	0.0001	SW846-8081
Kepone	U	0.0005	mg/L	0.0005	SW846-8081
Lindane	U	0.00005	mg/L	5E-05	SW846-8081
Methoxychlor	U	0.0005	mg/L	0.0005	SW846-8081
Methyl parathion	U	0.0005	mg/L	0.0005	SW846-8141
Parathion	U	0.0005	mg/L	0.0005	SW846-8141
PCB-1016	U	0.001	mg/L	0.001	SW846-8082
PCB-1221	U	0.001	mg/L	0.001	SW846-8082
PCB-1232	U	0.001	mg/L	0.001	SW846-8082
PCB-1242	U	0.001	mg/L	0.001	SW846-8082
PCB-1248	U	0.001	mg/L	0.001	SW846-8082
PCB-1254	U	0.001	mg/L	0.001	SW846-8082
PCB-1260	U	0.001	mg/L	0.001	SW846-8082
PCB-1268	U	0.001	mg/L	0.001	SW846-8082
Phorate	U	0.0005	mg/L	0.0005	SW846-8141
Polychlorinated biphenyl	U	0.001	mg/L	0.001	SW846-8082
Sulfotepp	U	0.0005	mg/L	0.0005	SW846-8141
Thionazin	U	0.0005	mg/L	0.0005	SW846-8141
Toxaphene	U	0.005	mg/L	0.005	SW846-8081
<b>RADS</b>					
Alpha activity	MU	6.83	pCi/L	3.53	9.12 EPA-900.0
Beta activity	U	0.819	pCi/L	0.199	6.5 EPA-900.0
Iodine-131	U	-1.52	pCi/L	3.05	7.04 RL-7124
Strontium-90	U	2.92	pCi/L	0.754	14.9 RL-7145
Technetium-99	U	9.84	pCi/L	11.4	16.2 RL-7100
Tritium	U	-31.6	pCi/L	167	280 704R5
<b>SVOA</b>					
1,2,4,5-Tetrachlorobenzene	U	0.01	mg/L	0.01	SW846-8270C
1,2,4-Trichlorobenzene	U	0.01	mg/L	0.01	SW846-8270C
1,3,5-Trinitrobenzene	U	0.01	mg/L	0.01	SW846-8270C
1,3-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260B
1,3-Dinitrobenzene	U	0.01	mg/L	0.01	SW846-8270C
1,4-Dioxane	U	0.01	mg/L	0.01	SW846-8270C
1,4-Naphthoquinone	U	0.01	mg/L	0.01	SW846-8270C
1-Naphthalenamine	U	0.01	mg/L	0.01	SW846-8270C
2,3,4,6-Tetrachlorophenol	U	0.01	mg/L	0.01	SW846-8270C

## MW371

## UG02-05

## C-746-U MW Abandonment and Replacement - Event 1 UG02-05

2,4,5-Trichlorophenol	U	0.025	mg/L	0.025	SW846-8270C
2,4,6-Trichlorophenol	U	0.01	mg/L	0.01	SW846-8270C
2,4-Dichlorophenol	U	0.01	mg/L	0.01	SW846-8270C
2,4-Dimethylphenol	U	0.01	mg/L	0.01	SW846-8270C
2,4-Dinitrophenol	U	0.025	mg/L	0.025	SW846-8270C
2,4-Dinitrotoluene	U	0.01	mg/L	0.01	SW846-8270C
2,6-Dichlorophenol	U	0.01	mg/L	0.01	SW846-8270C
2,6-Dinitrotoluene	U	0.01	mg/L	0.01	SW846-8270C
2-Acetylaminofluorene	U	0.01	mg/L	0.01	SW846-8270C
2-Chloronaphthalene	U	0.01	mg/L	0.01	SW846-8270C
2-Chlorophenol	U	0.01	mg/L	0.01	SW846-8270C
2-Methyl-4,6-dinitrophenol	U	0.025	mg/L	0.025	SW846-8270C
2-Methylnaphthalene	J	0.0006	mg/L	0.01	SW846-8270C
2-Methylphenol	U	0.01	mg/L	0.01	SW846-8270C
2-Naphthalenamine	U	0.01	mg/L	0.01	SW846-8270C
2-Nitrobenzenamine	U	0.025	mg/L	0.025	SW846-8270C
2-Nitrophenol	U	0.01	mg/L	0.01	SW846-8270C
3,3'-Dichlorobenzidine	U	0.01	mg/L	0.01	SW846-8270C
3,3'-Dimethylbenzidine	U	0.01	mg/L	0.01	SW846-8270C
3-Methylcholanthrene	U	0.01	mg/L	0.01	SW846-8270C
3-Methylphenol	U	0.01	mg/L	0.01	SW846-8270C
3-Nitrobenzenamine	U	0.025	mg/L	0.025	SW846-8270C
4-Aminobiphenyl	U	0.01	mg/L	0.01	SW846-8270C
4-Bromophenyl phenyl ether	U	0.01	mg/L	0.01	SW846-8270C
4-Chloro-3-methylphenol	U	0.01	mg/L	0.01	SW846-8270C
4-Chlorobenzenamine	U	0.01	mg/L	0.01	SW846-8270C
4-Chlorophenyl phenyl ether	U	0.01	mg/L	0.01	SW846-8270C
4-Nitrobenzenamine	U	0.025	mg/L	0.025	SW846-8270C
4-Nitrophenol	U	0.025	mg/L	0.025	SW846-8270C
5-(2-Propenyl)-1,3-benzodioxole (Safr	U	0.01	mg/L	0.01	SW846-8270C
5-Nitro-o-toluidine	U	0.01	mg/L	0.01	SW846-8270C
7,12-Dimethylbenz(a)anthracene	U	0.01	mg/L	0.01	SW846-8270C
Acenaphthene	U	0.01	mg/L	0.01	SW846-8270C
Acenaphthylene	U	0.01	mg/L	0.01	SW846-8270C
Acetophenone	U	0.01	mg/L	0.01	SW846-8270C
Anthracene	U	0.01	mg/L	0.01	SW846-8270C
Benz(a)anthracene	U	0.01	mg/L	0.01	SW846-8270C
Benzenemethanol	U	0.01	mg/L	0.01	SW846-8270C
Benzo(a)pyrene	U	0.01	mg/L	0.01	SW846-8270C
Benzo(b)fluoranthene	U	0.01	mg/L	0.01	SW846-8270C
Benzo(ghi)perylene	U	0.01	mg/L	0.01	SW846-8270C
Benzo(k)fluoranthene	U	0.01	mg/L	0.01	SW846-8270C
Bis(2-chloroethoxy)methane	U	0.01	mg/L	0.01	SW846-8270C
Bis(2-chloroethyl) ether	U	0.01	mg/L	0.01	SW846-8270C
Bis(2-chloroisopropyl) ether	U	0.01	mg/L	0.01	SW846-8270C
Bis(2-ethylhexyl)phthalate	J	0.001	mg/L	0.01	SW846-8270C
Butyl benzyl phthalate	U	0.01	mg/L	0.01	SW846-8270C
Chlorobenzilate	U	0.01	mg/L	0.01	SW846-8270C
Chrysene	U	0.01	mg/L	0.01	SW846-8270C
Diallate	U	0.01	mg/L	0.01	SW846-8270C
Dibenz(a,h)anthracene	U	0.01	mg/L	0.01	SW846-8270C
Dibenzofuran	U	0.01	mg/L	0.01	SW846-8270C
Diethyl phthalate	U	0.01	mg/L	0.01	SW846-8270C
Dimethyl phthalate	U	0.01	mg/L	0.01	SW846-8270C
Di-n-butyl phthalate	J	0.001	mg/L	0.01	SW846-8270C

**MW371****UG02-05****C-746-U MW Abandonment and Replacement - Event 1 UG02-05**

Di-n-octylphthalate	U	0.01	mg/L	0.01	SW846-8270C
Dinoseb	U	0.05	mg/L	0.05	SW846-8270C
Ethyl methanesulfonate	U	0.01	mg/L	0.01	SW846-8270C
Fluoranthene	U	0.01	mg/L	0.01	SW846-8270C
Fluorene	U	0.01	mg/L	0.01	SW846-8270C
Hexachloro-1-propene	U	0.01	mg/L	0.01	SW846-8270C
Hexachlorobenzene	U	0.01	mg/L	0.01	SW846-8270C
Hexachlorobutadiene	U	0.01	mg/L	0.01	SW846-8270C
Hexachlorocyclopentadiene	U	0.01	mg/L	0.01	SW846-8270C
Hexachloroethane	U	0.01	mg/L	0.01	SW846-8270C
Indeno(1,2,3-cd)pyrene	U	0.01	mg/L	0.01	SW846-8270C
Isodrin	U	0.01	mg/L	0.01	SW846-8270C
Isophorone	U	0.01	mg/L	0.01	SW846-8270C
Isosafrole	U	0.01	mg/L	0.01	SW846-8270C
Methapyrilene	U	0.01	mg/L	0.01	SW846-8270C
Methyl methanesulfonate	U	0.01	mg/L	0.01	SW846-8270C
Naphthalene	U	0.01	mg/L	0.01	SW846-8270C
Nitrobenzene	U	0.01	mg/L	0.01	SW846-8270C
N-Nitrosodiethylamine	U	0.01	mg/L	0.01	SW846-8270C
N-Nitrosodimethylamine	U	0.01	mg/L	0.01	SW846-8270C
N-Nitroso-di-n-butylamine	U	0.01	mg/L	0.01	SW846-8270C
N-Nitroso-di-n-propylamine	U	0.01	mg/L	0.01	SW846-8270C
N-Nitrosodiphenylamine	U	0.01	mg/L	0.01	SW846-8270C
N-Nitrosomethylethylamine	U	0.01	mg/L	0.01	SW846-8270C
N-Nitrosopiperidine	U	0.05	mg/L	0.05	SW846-8270C
N-Nitrosopyrrolidine	U	0.01	mg/L	0.01	SW846-8270C
O,O,O-Triethylphosphorothioate	U	0.0005	mg/L	0.0005	SW846-8141
o-Toluidine	U	0.01	mg/L	0.01	SW846-8270C
p-Dimethylaminoazobenzene	U	0.01	mg/L	0.01	SW846-8270C
Pentachlorobenzene	U	0.01	mg/L	0.01	SW846-8270C
Pentachloroethane	U	0.01	mg/L	0.01	SW846-8270C
Pentachloronitrobenzene	U	0.05	mg/L	0.05	SW846-8270C
Pentachlorophenol	U	0.025	mg/L	0.025	SW846-8270C
Phenacetin	U	0.01	mg/L	0.01	SW846-8270C
Phenanthrene	U	0.01	mg/L	0.01	SW846-8270C
Phenol	J	0.0009	mg/L	0.01	SW846-8270C
p-Phenylenediamine	U	0.01	mg/L	0.01	SW846-8270C
Pronamide	U	0.01	mg/L	0.01	SW846-8270C
Pyrene	U	0.01	mg/L	0.01	SW846-8270C
<b>VOA</b>					
1,1,1,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260B
1,1,1-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260B
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260B
1,1,2-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260B
1,1-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260B
1,1-Dichloropropene	U	0.01	mg/L	0.01	SW846-8260B
1,2,3-Trichloropropane	U	0.01	mg/L	0.01	SW846-8260B
1,2-Dibromo-3-chloropropane	U	0.02	mg/L	0.02	SW846-8260B
1,2-Dibromoethane	U	0.02	mg/L	0.02	SW846-8260B
1,2-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260B
1,2-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260B
1,2-Dichloropropane	U	0.005	mg/L	0.005	SW846-8260B
1,2-Dimethylbenzene	U	0.005	mg/L	0.005	SW846-8260B
1,3-Dichloropropane	U	0.01	mg/L	0.01	SW846-8260B
1,3-Dimethylbenzene	U	0.005	mg/L	0.005	SW846-8260B

**MW371****UG02-05****C-746-U MW Abandonment and Replacement - Event 1 UG02-05**

1,4-Dichlorobenzene	U	0.005 mg/L	0.005	SW846-8260B
2,2-Dichloropropane	U	0.01 mg/L	0.01	SW846-8260B
2-Butanone	U	0.05 mg/L	0.05	SW846-8260B
2-Chloro-1,3-butadiene	U	0.01 mg/L	0.01	SW846-8260B
2-Chloroethyl vinyl ether	U	0.01 mg/L	0.01	SW846-8260B
2-Hexanone	U	0.01 mg/L	0.01	SW846-8260B
4-Methyl-2-pentanone	U	0.01 mg/L	0.01	SW846-8260B
Acetone		0.018 mg/L	0.01	SW846-8260B
Acrylonitrile	U	0.01 mg/L	0.01	SW846-8260B
Allyl chloride	U	0.02 mg/L	0.02	SW846-8260B
Benzene	U	0.005 mg/L	0.005	SW846-8260B
Bromochloromethane	U	0.005 mg/L	0.005	SW846-8260B
Bromodichloromethane	U	0.005 mg/L	0.005	SW846-8260B
Bromoform	U	0.005 mg/L	0.005	SW846-8260B
Bromomethane	U	0.01 mg/L	0.01	SW846-8260B
Carbon disulfide	U	0.005 mg/L	0.005	SW846-8260B
Carbon tetrachloride	U	0.005 mg/L	0.005	SW846-8260B
Chlorobenzene	U	0.005 mg/L	0.005	SW846-8260B
Chloroethane	U	0.01 mg/L	0.01	SW846-8260B
Chloromethane	U	0.01 mg/L	0.01	SW846-8260B
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260B
cis-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260B
Dibromochloromethane	U	0.005 mg/L	0.005	SW846-8260B
Dibromomethane	U	0.01 mg/L	0.01	SW846-8260B
Dichlorodifluoromethane	U	0.01 mg/L	0.01	SW846-8260B
Ethanol	U	5 mg/L	5	SW846-8015
Ethyl cyanide	U	0.05 mg/L	0.05	SW846-8260B
Ethyl methacrylate	U	0.01 mg/L	0.01	SW846-8260B
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260B
Iodomethane	U	0.01 mg/L	0.01	SW846-8260B
Isobutanol	U	0.1 mg/L	0.1	SW846-8260B
Methacrylonitrile	U	0.02 mg/L	0.02	SW846-8260B
Methyl methacrylate	U	0.01 mg/L	0.01	SW846-8260B
Methylene chloride	JB	0.002 mg/L	0.005	SW846-8260B
Styrene	U	0.005 mg/L	0.005	SW846-8260B
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260B
Toluene	U	0.005 mg/L	0.005	SW846-8260B
Total Xylene	U	0.005 mg/L	0.005	SW846-8260B
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260B
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260B
Trans-1,4-Dichloro-2-butene	U	0.02 mg/L	0.02	SW846-8260B
Trichloroethene	U	0.005 mg/L	0.005	SW846-8260B
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260B
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260B
<b>WETCHEM</b>				
Bicarbonate as CaCO3		365 mg/L	10	SM-2320 B 17
Carbonate as CaCO3	U	10 mg/L	10	SM-2320 B 17
Chemical Oxygen Demand (COD)	U	35 mg/L	35	EPA-410.4 1978
Cyanide	UX	0.02 mg/L	0.02	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		11.1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	UY	0.05 mg/L	0.05	SW846-9020B
Turbidity		40 NTU	0.5	EPA-180.1 1978



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MW369

UG02-06

C-746-U MW Abandonment and Replacement - Event 2 UG02-06

MW369UG4-02

Collected: 4/22/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Fluoride	U	1	mg/L		1	SW846-9056
Sulfate		15.8	mg/L		5	SW846-9056
Sulfide	U	1	mg/L		1	EPA-376.1
<b>Field P</b>						
Barometric Pressure Reading		29.74	Inches/Hg			
Conductivity		404	umho/cm			
Depth to Water		35.6	ft			
Dissolved Oxygen		1.57	mg/L			
pH		6.1	Std Unit			
Redox		110	mV			
Temperature		61.7	deg F			
<b>HERB</b>						
2,4,5-T	U	0.0005	mg/L		0.0005	SW846-8151A
2,4-D	U	0.001	mg/L		0.001	SW846-8151A
Silvex	U	0.0005	mg/L		0.0005	SW846-8151A
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium		0.231	mg/L		0.025	SW846-6010A
Beryllium	U	0.005	mg/L		0.005	SW846-6010A
Boron	JU	2	mg/L		2	SW846-6010A
Cadmium	NU	0.005	mg/L		0.005	SW846-7131
Calcium	N	29.8	mg/L		1	SW846-6010A
Chromium	U	0.025	mg/L		0.025	SW846-6010A
Cobalt	U	0.025	mg/L		0.025	SW846-6010A
Copper	U	0.025	mg/L		0.025	SW846-6010A
Iron	BN	0.695	mg/L		0.2	SW846-6010A
Magnesium		12	mg/L		0.025	SW846-6010A
Manganese		0.062	mg/L		0.025	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	U	0.025	mg/L		0.025	SW846-6010A
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Potassium		2.21	mg/L		2	SW846-6010A
Rhodium	U	0.2	mg/L		0.2	SW846-6010A
Selenium	UW	0.01	mg/L		0.01	SW846-7740
Silver	BU	0.025	mg/L		0.025	SW846-6010A
Sodium	JN	37.6	mg/L		2	SW846-6010A
Tantalum	U	0.2	mg/L		0.2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Tin	U	1	mg/L		1	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium		0.027	mg/L		0.025	SW846-6010A
Zinc	U	0.1	mg/L		0.1	SW846-6010A
<b>METAL-D</b>						
Barium		0.233	mg/L		0.025	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		246	mg/L		100	EPA-160.2
<b>PCCB</b>						
4,4'-DDD	U	0.0001	mg/L		0.0001	SW846-8081

**MW369****UG02-06****C-746-U MW Abandonment and Replacement - Event 2 UG02-06**

4,4'-DDE	U	0.0001	mg/L	0.0001	SW846-8081
4,4'-DDT	U	0.0001	mg/L	0.0001	SW846-8081
Aldrin	U	0.00005	mg/L	5E-05	SW846-8081
alpha-BHC	U	0.00005	mg/L	5E-05	SW846-8081
alpha-Chlordane	U	0.00005	mg/L	5E-05	SW846-8081
beta-BHC	U	0.00005	mg/L	5E-05	SW846-8081
delta-BHC	U	0.00005	mg/L	5E-05	SW846-8081
Dieldrin	U	0.0001	mg/L	0.0001	SW846-8081
Endosulfan I	U	0.00005	mg/L	5E-05	SW846-8081
Endosulfan II	U	0.0001	mg/L	0.0001	SW846-8081
Endosulfan sulfate	U	0.0001	mg/L	0.0001	SW846-8081
Endrin	U	0.0001	mg/L	0.0001	SW846-8081
Endrin aldehyde	U	0.0001	mg/L	0.0001	SW846-8081
gamma-Chlordane	U	0.00005	mg/L	5E-05	SW846-8081
Heptachlor	U	0.00005	mg/L	5E-05	SW846-8081
Heptachlor epoxide	U	0.00005	mg/L	5E-05	SW846-8081
Isodrin	U	0.0001	mg/L	0.0001	SW846-8081
Kepone	U	0.0005	mg/L	0.0005	SW846-8081
Lindane	U	0.00005	mg/L	5E-05	SW846-8081
Methoxychlor	U	0.0005	mg/L	0.0005	SW846-8081
PCB-1016	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1221	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1232	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1242	U	0.00011	mg/L	0.0001	SW846-8082
PCB-1248	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1254	U	0.00013	mg/L	0.0001	SW846-8082
PCB-1260	U	0.00009	mg/L	9E-05	SW846-8082
PCB-1268	U	0.00009	mg/L	9E-05	SW846-8082
Polychlorinated biphenyl	U	0.00017	mg/L	0.0002	SW846-8082
Toxaphene	U	0.005	mg/L	0.005	SW846-8081
<b>RADS</b>					
Alpha activity	U	-3.4	pCi/L	2.15	8.03 EPA-900.0
Beta activity		35.4	pCi/L	3.94	6.1 EPA-900.0
Strontium-90	U	-2.49	pCi/L	0.648	18.2 RL-7145
Technetium-99		53.1	pCi/L	13.7	17.5 RL-7100
Tritium	U	118	pCi/L	169	278 704R5
<b>SVOA</b>					
1,2,4,5-Tetrachlorobenzene	U	0.01	mg/L	0.01	SW846-8270C
1,2,4-Trichlorobenzene	U	0.01	mg/L	0.01	SW846-8270C
1,3,5-Trinitrobenzene	U	0.01	mg/L	0.01	SW846-8270C
1,3-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260B
1,3-Dinitrobenzene	U	0.01	mg/L	0.01	SW846-8270C
1,4-Dioxane	U	0.01	mg/L	0.01	SW846-8270C
1,4-Naphthoquinone	U	0.01	mg/L	0.01	SW846-8270C
1-Naphthalenamine	U	0.01	mg/L	0.01	SW846-8270C
2,3,4,6-Tetrachlorophenol	U	0.01	mg/L	0.01	SW846-8270C
2,4,5-Trichlorophenol	U	0.025	mg/L	0.025	SW846-8270C
2,4,6-Trichlorophenol	U	0.01	mg/L	0.01	SW846-8270C
2,4-Dichlorophenol	U	0.01	mg/L	0.01	SW846-8270C
2,4-Dimethylphenol	U	0.01	mg/L	0.01	SW846-8270C
2,4-Dinitrophenol	U	0.025	mg/L	0.025	SW846-8270C
2,4-Dinitrotoluene	U	0.01	mg/L	0.01	SW846-8270C
2,6-Dichlorophenol	U	0.01	mg/L	0.01	SW846-8270C
2,6-Dinitrotoluene	U	0.01	mg/L	0.01	SW846-8270C
2-Acetylaminofluorene	U	0.01	mg/L	0.01	SW846-8270C

## MW369

## UG02-06

## C-746-U MW Abandonment and Replacement - Event 2 UG02-06

2-Chloronaphthalene	U	0.01	mg/L	0.01	SW846-8270C
2-Chlorophenol	U	0.01	mg/L	0.01	SW846-8270C
2-Methyl-4,6-dinitrophenol	U	0.025	mg/L	0.025	SW846-8270C
2-Methylnaphthalene	U	0.01	mg/L	0.01	SW846-8270C
2-Methylphenol	U	0.01	mg/L	0.01	SW846-8270C
2-Naphthalenamine	U	0.01	mg/L	0.01	SW846-8270C
2-Nitrobenzenamine	U	0.025	mg/L	0.025	SW846-8270C
2-Nitrophenol	U	0.01	mg/L	0.01	SW846-8270C
3,3'-Dichlorobenzidine	U	0.01	mg/L	0.01	SW846-8270C
3,3'-Dimethylbenzidine	U	0.01	mg/L	0.01	SW846-8270C
3-Methylcholanthrene	U	0.01	mg/L	0.01	SW846-8270C
3-Methylphenol	U	0.01	mg/L	0.01	SW846-8270C
3-Nitrobenzenamine	U	0.025	mg/L	0.025	SW846-8270C
4-Aminobiphenyl	U	0.01	mg/L	0.01	SW846-8270C
4-Bromophenyl phenyl ether	U	0.01	mg/L	0.01	SW846-8270C
4-Chloro-3-methylphenol	U	0.01	mg/L	0.01	SW846-8270C
4-Chlorobenzenamine	U	0.01	mg/L	0.01	SW846-8270C
4-Chlorophenyl phenyl ether	U	0.01	mg/L	0.01	SW846-8270C
4-Nitrobenzenamine	U	0.025	mg/L	0.025	SW846-8270C
4-Nitrophenol	U	0.025	mg/L	0.025	SW846-8270C
5-(2-Propenyl)-1,3-benzodioxole (Safr	U	0.01	mg/L	0.01	SW846-8270C
5-Nitro-o-toluidine	U	0.01	mg/L	0.01	SW846-8270C
7,12-Dimethylbenz(a)anthracene	U	0.01	mg/L	0.01	SW846-8270C
Acenaphthene	U	0.01	mg/L	0.01	SW846-8270C
Acenaphthylene	U	0.01	mg/L	0.01	SW846-8270C
Acetophenone	U	0.01	mg/L	0.01	SW846-8270C
Anthracene	U	0.01	mg/L	0.01	SW846-8270C
Benz(a)anthracene	U	0.01	mg/L	0.01	SW846-8270C
Benzenemethanol	U	0.01	mg/L	0.01	SW846-8270C
Benzo(a)pyrene	U	0.01	mg/L	0.01	SW846-8270C
Benzo(b)fluoranthene	U	0.01	mg/L	0.01	SW846-8270C
Benzo(ghi)perylene	U	0.01	mg/L	0.01	SW846-8270C
Benzo(k)fluoranthene	U	0.01	mg/L	0.01	SW846-8270C
Bis(2-chloroethoxy)methane	U	0.01	mg/L	0.01	SW846-8270C
Bis(2-chloroethyl) ether	U	0.01	mg/L	0.01	SW846-8270C
Bis(2-chloroisopropyl) ether	U	0.01	mg/L	0.01	SW846-8270C
Bis(2-ethylhexyl)phthalate	JB	0.002	mg/L	0.01	SW846-8270C
Butyl benzyl phthalate	U	0.01	mg/L	0.01	SW846-8270C
Chlorobenzilate	U	0.01	mg/L	0.01	SW846-8270C
Chrysene	U	0.01	mg/L	0.01	SW846-8270C
Diallate	U	0.01	mg/L	0.01	SW846-8270C
Dibenz(a,h)anthracene	U	0.01	mg/L	0.01	SW846-8270C
Dibenzofuran	U	0.01	mg/L	0.01	SW846-8270C
Diethyl phthalate	U	0.01	mg/L	0.01	SW846-8270C
Dimethoate	U	0.0005	mg/L	0.0005	SW846-8141
Dimethyl phthalate	U	0.01	mg/L	0.01	SW846-8270C
Di-n-butyl phthalate	U	0.01	mg/L	0.01	SW846-8270C
Di-n-octylphthalate	U	0.01	mg/L	0.01	SW846-8270C
Dinoseb	U	0.05	mg/L	0.05	SW846-8270C
Disulfoton	U	0.0005	mg/L	0.0005	SW846-8141
Ethyl methanesulfonate	U	0.01	mg/L	0.01	SW846-8270C
Famphur	U	0.0012	mg/L	0.0012	SW846-8141
Fluoranthene	U	0.01	mg/L	0.01	SW846-8270C
Fluorene	U	0.01	mg/L	0.01	SW846-8270C
Hexachloro-1-propene	U	0.01	mg/L	0.01	SW846-8270C

## MW369

## UG02-06

## C-746-U MW Abandonment and Replacement - Event 2 UG02-06

Hexachlorobenzene	U	0.01	mg/L	0.01	SW846-8270C
Hexachlorobutadiene	U	0.01	mg/L	0.01	SW846-8270C
Hexachlorocyclopentadiene	U	0.01	mg/L	0.01	SW846-8270C
Hexachloroethane	U	0.01	mg/L	0.01	SW846-8270C
Indeno(1,2,3-cd)pyrene	U	0.01	mg/L	0.01	SW846-8270C
Isodrin	U	0.01	mg/L	0.01	SW846-8270C
Isophorone	U	0.01	mg/L	0.01	SW846-8270C
Isosafrole	U	0.01	mg/L	0.01	SW846-8270C
Methapyrilene	U	0.01	mg/L	0.01	SW846-8270C
Methyl methanesulfonate	U	0.01	mg/L	0.01	SW846-8270C
Methyl parathion	U	0.0005	mg/L	0.0005	SW846-8141
Naphthalene	U	0.01	mg/L	0.01	SW846-8270C
Nitrobenzene	U	0.01	mg/L	0.01	SW846-8270C
N-Nitrosodiethylamine	U	0.01	mg/L	0.01	SW846-8270C
N-Nitrosodimethylamine	U	0.01	mg/L	0.01	SW846-8270C
N-Nitroso-di-n-butylamine	U	0.01	mg/L	0.01	SW846-8270C
N-Nitroso-di-n-propylamine	U	0.01	mg/L	0.01	SW846-8270C
N-Nitrosodiphenylamine	U	0.01	mg/L	0.01	SW846-8270C
N-Nitrosomethylethylamine	U	0.01	mg/L	0.01	SW846-8270C
N-Nitrosopiperidine	U	0.05	mg/L	0.05	SW846-8270C
N-Nitrosopyrrolidine	U	0.01	mg/L	0.01	SW846-8270C
O,O,O-Triethylphosphorothioate	U	0.0005	mg/L	0.0005	SW846-8141
o-Toluidine	U	0.01	mg/L	0.01	SW846-8270C
Parathion	U	0.0005	mg/L	0.0005	SW846-8141
p-Dimethylaminoazobenzene	U	0.01	mg/L	0.01	SW846-8270C
Pentachlorobenzene	U	0.01	mg/L	0.01	SW846-8270C
Pentachloroethane	U	0.01	mg/L	0.01	SW846-8270C
Pentachloronitrobenzene	U	0.05	mg/L	0.05	SW846-8270C
Pentachlorophenol	U	0.025	mg/L	0.025	SW846-8270C
Phenacetin	U	0.01	mg/L	0.01	SW846-8270C
Phenanthrene	U	0.01	mg/L	0.01	SW846-8270C
Phenol	U	0.01	mg/L	0.01	SW846-8270C
Phorate	U	0.0005	mg/L	0.0005	SW846-8141
p-Phenylenediamine	U	0.01	mg/L	0.01	SW846-8270C
Pronamide	U	0.01	mg/L	0.01	SW846-8270C
Pyrene	U	0.01	mg/L	0.01	SW846-8270C
Sulfotepp	U	0.0005	mg/L	0.0005	SW846-8141
Thionazin	U	0.0005	mg/L	0.0005	SW846-8141

## VOA

1,1,1,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260B
1,1,1-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260B
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260B
1,1,2-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260B
1,1-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260B
1,1-Dichloropropene	U	0.01	mg/L	0.01	SW846-8260B
1,2,3-Trichloropropane	U	0.01	mg/L	0.01	SW846-8260B
1,2-Dibromo-3-chloropropane	U	0.02	mg/L	0.02	SW846-8260B
1,2-Dibromoethane	U	0.02	mg/L	0.02	SW846-8260B
1,2-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260B
1,2-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260B
1,2-Dichloropropane	U	0.005	mg/L	0.005	SW846-8260B
1,2-Dimethylbenzene	U	0.005	mg/L	0.005	SW846-8260B
1,3-Dichloropropane	U	0.01	mg/L	0.01	SW846-8260B
1,3-Dimethylbenzene	U	0.005	mg/L	0.005	SW846-8260B
1,4-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260B

## MW369

## UG02-06

## C-746-U MW Abandonment and Replacement - Event 2 UG02-06

2,2-Dichloropropane	U	0.01 mg/L	0.01	SW846-8260B
2-Butanone	U	0.05 mg/L	0.05	SW846-8260B
2-Chloro-1,3-butadiene	U	0.01 mg/L	0.01	SW846-8260B
2-Chloroethyl vinyl ether	U	0.01 mg/L	0.01	SW846-8260B
2-Hexanone	U	0.01 mg/L	0.01	SW846-8260B
4-Methyl-2-pentanone	U	0.01 mg/L	0.01	SW846-8260B
Acetone	U	0.01 mg/L	0.01	SW846-8260B
Acetonitrile	U	0.02 mg/L	0.02	SW846-8260B
Acrolein	U	0.01 mg/L	0.01	SW846-8260B
Acrylonitrile	U	0.01 mg/L	0.01	SW846-8260B
Allyl chloride	U	0.02 mg/L	0.02	SW846-8260B
Benzene	U	0.005 mg/L	0.005	SW846-8260B
Bromochloromethane	U	0.005 mg/L	0.005	SW846-8260B
Bromodichloromethane	U	0.005 mg/L	0.005	SW846-8260B
Bromoform	U	0.005 mg/L	0.005	SW846-8260B
Bromomethane	U	0.01 mg/L	0.01	SW846-8260B
Carbon disulfide	U	0.005 mg/L	0.005	SW846-8260B
Carbon tetrachloride	U	0.005 mg/L	0.005	SW846-8260B
Chlorobenzene	U	0.005 mg/L	0.005	SW846-8260B
Chloroethane	U	0.01 mg/L	0.01	SW846-8260B
Chloromethane	U	0.01 mg/L	0.01	SW846-8260B
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260B
cis-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260B
Dibromochloromethane	U	0.005 mg/L	0.005	SW846-8260B
Dibromomethane	U	0.01 mg/L	0.01	SW846-8260B
Dichlorodifluoromethane	U	0.01 mg/L	0.01	SW846-8260B
Ethanol	U	5 mg/L	5	SW846-8015
Ethyl cyanide	U	0.05 mg/L	0.05	SW846-8260B
Ethyl methacrylate	U	0.01 mg/L	0.01	SW846-8260B
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260B
Iodomethane	U	0.01 mg/L	0.01	SW846-8260B
Isobutanol	U	0.1 mg/L	0.1	SW846-8260B
Methacrylonitrile	U	0.02 mg/L	0.02	SW846-8260B
Methyl methacrylate	U	0.01 mg/L	0.01	SW846-8260B
Methylene chloride	U	0.005 mg/L	0.005	SW846-8260B
Styrene	U	0.005 mg/L	0.005	SW846-8260B
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260B
Toluene	U	0.005 mg/L	0.005	SW846-8260B
Total Xylene	U	0.005 mg/L	0.005	SW846-8260B
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260B
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260B
Trans-1,4-Dichloro-2-butene	U	0.02 mg/L	0.02	SW846-8260B
Trichloroethene		0.016 mg/L	0.005	SW846-8260B
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260B
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260B
<b>WETCHEM</b>				
Bicarbonate as CaCO3		95 mg/L	10	SM-2320 B 17
Carbonate as CaCO3	U	10 mg/L	10	SM-2320 B 17
Chemical Oxygen Demand (COD)	U	35 mg/L	35	EPA-410.4 1978
Cyanide	U	0.02 mg/L	0.02	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		1.6 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.05 mg/L	0.05	SW846-9020B
Turbidity		5.3 NTU	0.5	EPA-180.1 1978

# Paducah-OREIS Data Report

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**MW370**

**UG02-06**

## C-746-U MW Abandonment and Replacement - Event 2 UG02-06

**MW370UG4-02**

Collected: 4/23/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Fluoride	U	1	mg/L		1	SW846-9056
Sulfate		37.9	mg/L		5	SW846-9056
Sulfide	U	1	mg/L		1	EPA-376.1
<b>Field P</b>						
Barometric Pressure Reading		29.74	Inches/Hg			
Conductivity		543	umho/cm			
Depth to Water		36.49	ft			
Dissolved Oxygen		1.24	mg/L			
pH		6.4	Std Unit			
Redox		-15	mV			
Temperature		59.2	deg F			
<b>HERB</b>						
2,4,5-T	U	0.0005	mg/L		0.0005	SW846-8151A
2,4-D	U	0.001	mg/L		0.001	SW846-8151A
Silvex	U	0.0005	mg/L		0.0005	SW846-8151A
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium		0.301	mg/L		0.025	SW846-6010A
Beryllium	U	0.005	mg/L		0.005	SW846-6010A
Boron	JU	2	mg/L		2	SW846-6010A
Cadmium	UW	0.005	mg/L		0.005	SW846-7131
Calcium	N	43.4	mg/L		1	SW846-6010A
Chromium	U	0.025	mg/L		0.025	SW846-6010A
Cobalt	U	0.025	mg/L		0.025	SW846-6010A
Copper	U	0.025	mg/L		0.025	SW846-6010A
Iron	N	4.33	mg/L		0.2	SW846-6010A
Magnesium		15.1	mg/L		0.025	SW846-6010A
Manganese		1.82	mg/L		0.025	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	U	0.025	mg/L		0.025	SW846-6010A
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Potassium		3.43	mg/L		2	SW846-6010A
Rhodium	U	0.2	mg/L		0.2	SW846-6010A
Selenium	UW	0.01	mg/L		0.01	SW846-7740
Silver	BU	0.025	mg/L		0.025	SW846-6010A
Sodium	JN	50	mg/L		2	SW846-6010A
Tantalum	U	0.2	mg/L		0.2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Tin	U	1	mg/L		1	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium		0.033	mg/L		0.025	SW846-6010A
Zinc	U	0.1	mg/L		0.1	SW846-6010A
<b>METAL-D</b>						
Barium		0.311	mg/L		0.025	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		337	mg/L		100	EPA-160.2
<b>PCCB</b>						
4,4'-DDD	U	0.0001	mg/L		0.0001	SW846-8081

**MW370****UG02-06****C-746-U MW Abandonment and Replacement - Event 2 UG02-06**

4,4'-DDE	U	0.0001	mg/L	0.0001	SW846-8081
4,4'-DDT	U	0.0001	mg/L	0.0001	SW846-8081
Aldrin	U	0.00005	mg/L	5E-05	SW846-8081
alpha-BHC	U	0.00005	mg/L	5E-05	SW846-8081
alpha-Chlordane	U	0.00005	mg/L	5E-05	SW846-8081
beta-BHC	U	0.00005	mg/L	5E-05	SW846-8081
delta-BHC	U	0.00005	mg/L	5E-05	SW846-8081
Dieldrin	U	0.0001	mg/L	0.0001	SW846-8081
Endosulfan I	U	0.00005	mg/L	5E-05	SW846-8081
Endosulfan II	U	0.0001	mg/L	0.0001	SW846-8081
Endosulfan sulfate	U	0.0001	mg/L	0.0001	SW846-8081
Endrin	U	0.0001	mg/L	0.0001	SW846-8081
Endrin aldehyde	U	0.0001	mg/L	0.0001	SW846-8081
gamma-Chlordane	U	0.00005	mg/L	5E-05	SW846-8081
Heptachlor	U	0.00005	mg/L	5E-05	SW846-8081
Heptachlor epoxide	U	0.00005	mg/L	5E-05	SW846-8081
Isodrin	U	0.0001	mg/L	0.0001	SW846-8081
Kepone	U	0.0005	mg/L	0.0005	SW846-8081
Lindane	U	0.00005	mg/L	5E-05	SW846-8081
Methoxychlor	U	0.0005	mg/L	0.0005	SW846-8081
PCB-1016	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1221	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1232	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1242	U	0.00011	mg/L	0.0001	SW846-8082
PCB-1248	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1254	U	0.00013	mg/L	0.0001	SW846-8082
PCB-1260	U	0.00009	mg/L	9E-05	SW846-8082
PCB-1268	U	0.00009	mg/L	9E-05	SW846-8082
Polychlorinated biphenyl	U	0.00017	mg/L	0.0002	SW846-8082
Toxaphene	U	0.005	mg/L	0.005	SW846-8081

**RADS**

Alpha activity	U	1.8	pCi/L	0.963	10	EPA-900.0
Beta activity	U	4.46	pCi/L	0.878	6.58	EPA-900.0
Strontium-90	U	2.06	pCi/L	0.493	18.2	RL-7145
Technetium-99	U	8.53	pCi/L	12.2	17.5	RL-7100
Tritium	U	4.55	pCi/L	167	278	704R5

**SVOA**

1,2,4,5-Tetrachlorobenzene	U	0.01	mg/L	0.01	SW846-8270C
1,2,4-Trichlorobenzene	U	0.01	mg/L	0.01	SW846-8270C
1,3,5-Trinitrobenzene	U	0.01	mg/L	0.01	SW846-8270C
1,3-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260B
1,3-Dinitrobenzene	U	0.01	mg/L	0.01	SW846-8270C
1,4-Dioxane	U	0.01	mg/L	0.01	SW846-8270C
1,4-Naphthoquinone	U	0.01	mg/L	0.01	SW846-8270C
1-Naphthalenamine	U	0.01	mg/L	0.01	SW846-8270C
2,3,4,6-Tetrachlorophenol	U	0.01	mg/L	0.01	SW846-8270C
2,4,5-Trichlorophenol	U	0.025	mg/L	0.025	SW846-8270C
2,4,6-Trichlorophenol	U	0.01	mg/L	0.01	SW846-8270C
2,4-Dichlorophenol	U	0.01	mg/L	0.01	SW846-8270C
2,4-Dimethylphenol	U	0.01	mg/L	0.01	SW846-8270C
2,4-Dinitrophenol	U	0.025	mg/L	0.025	SW846-8270C
2,4-Dinitrotoluene	U	0.01	mg/L	0.01	SW846-8270C
2,6-Dichlorophenol	U	0.01	mg/L	0.01	SW846-8270C
2,6-Dinitrotoluene	U	0.01	mg/L	0.01	SW846-8270C
2-Acetylaminofluorene	U	0.01	mg/L	0.01	SW846-8270C

## MW370

## UG02-06

## C-746-U MW Abandonment and Replacement - Event 2 UG02-06

2-Chloronaphthalene	U	0.01	mg/L	0.01	SW846-8270C
2-Chlorophenol	U	0.01	mg/L	0.01	SW846-8270C
2-Methyl-4,6-dinitrophenol	U	0.025	mg/L	0.025	SW846-8270C
2-Methylnaphthalene	U	0.01	mg/L	0.01	SW846-8270C
2-Methylphenol	U	0.01	mg/L	0.01	SW846-8270C
2-Naphthalenamine	U	0.01	mg/L	0.01	SW846-8270C
2-Nitrobenzenamine	U	0.025	mg/L	0.025	SW846-8270C
2-Nitrophenol	U	0.01	mg/L	0.01	SW846-8270C
3,3'-Dichlorobenzidine	U	0.01	mg/L	0.01	SW846-8270C
3,3'-Dimethylbenzidine	U	0.01	mg/L	0.01	SW846-8270C
3-Methylcholanthrene	U	0.01	mg/L	0.01	SW846-8270C
3-Methylphenol	U	0.01	mg/L	0.01	SW846-8270C
3-Nitrobenzenamine	U	0.025	mg/L	0.025	SW846-8270C
4-Aminobiphenyl	U	0.01	mg/L	0.01	SW846-8270C
4-Bromophenyl phenyl ether	U	0.01	mg/L	0.01	SW846-8270C
4-Chloro-3-methylphenol	U	0.01	mg/L	0.01	SW846-8270C
4-Chlorobenzenamine	U	0.01	mg/L	0.01	SW846-8270C
4-Chlorophenyl phenyl ether	U	0.01	mg/L	0.01	SW846-8270C
4-Nitrobenzenamine	U	0.025	mg/L	0.025	SW846-8270C
4-Nitrophenol	U	0.025	mg/L	0.025	SW846-8270C
5-(2-Propenyl)-1,3-benzodioxole (Safr	U	0.01	mg/L	0.01	SW846-8270C
5-Nitro-o-toluidine	U	0.01	mg/L	0.01	SW846-8270C
7,12-Dimethylbenz(a)anthracene	U	0.01	mg/L	0.01	SW846-8270C
Acenaphthene	U	0.01	mg/L	0.01	SW846-8270C
Acenaphthylene	U	0.01	mg/L	0.01	SW846-8270C
Acetophenone	U	0.01	mg/L	0.01	SW846-8270C
Anthracene	U	0.01	mg/L	0.01	SW846-8270C
Benz(a)anthracene	U	0.01	mg/L	0.01	SW846-8270C
Benzenemethanol	U	0.01	mg/L	0.01	SW846-8270C
Benzo(a)pyrene	U	0.01	mg/L	0.01	SW846-8270C
Benzo(b)fluoranthene	U	0.01	mg/L	0.01	SW846-8270C
Benzo(ghi)perylene	U	0.01	mg/L	0.01	SW846-8270C
Benzo(k)fluoranthene	U	0.01	mg/L	0.01	SW846-8270C
Bis(2-chloroethoxy)methane	U	0.01	mg/L	0.01	SW846-8270C
Bis(2-chloroethyl) ether	U	0.01	mg/L	0.01	SW846-8270C
Bis(2-chloroisopropyl) ether	U	0.01	mg/L	0.01	SW846-8270C
Bis(2-ethylhexyl)phthalate	JB	0.002	mg/L	0.01	SW846-8270C
Butyl benzyl phthalate	U	0.01	mg/L	0.01	SW846-8270C
Chlorobenzilate	U	0.01	mg/L	0.01	SW846-8270C
Chrysene	U	0.01	mg/L	0.01	SW846-8270C
Diallate	U	0.01	mg/L	0.01	SW846-8270C
Dibenz(a,h)anthracene	U	0.01	mg/L	0.01	SW846-8270C
Dibenzofuran	U	0.01	mg/L	0.01	SW846-8270C
Diethyl phthalate	U	0.01	mg/L	0.01	SW846-8270C
Dimethoate	U	0.0005	mg/L	0.0005	SW846-8141
Dimethyl phthalate	U	0.01	mg/L	0.01	SW846-8270C
Di-n-butyl phthalate	U	0.01	mg/L	0.01	SW846-8270C
Di-n-octylphthalate	U	0.01	mg/L	0.01	SW846-8270C
Dinoseb	U	0.05	mg/L	0.05	SW846-8270C
Disulfoton	U	0.0005	mg/L	0.0005	SW846-8141
Ethyl methanesulfonate	U	0.01	mg/L	0.01	SW846-8270C
Famphur	U	0.0012	mg/L	0.0012	SW846-8141
Fluoranthene	U	0.01	mg/L	0.01	SW846-8270C
Fluorene	U	0.01	mg/L	0.01	SW846-8270C
Hexachloro-1-propene	U	0.01	mg/L	0.01	SW846-8270C



## MW370

## UG02-06

## C-746-U MW Abandonment and Replacement - Event 2 UG02-06

Hexachlorobenzene	U	0.01	mg/L	0.01	SW846-8270C
Hexachlorobutadiene	U	0.01	mg/L	0.01	SW846-8270C
Hexachlorocyclopentadiene	U	0.01	mg/L	0.01	SW846-8270C
Hexachloroethane	U	0.01	mg/L	0.01	SW846-8270C
Indeno(1,2,3-cd)pyrene	U	0.01	mg/L	0.01	SW846-8270C
Isodrin	U	0.01	mg/L	0.01	SW846-8270C
Isophorone	U	0.01	mg/L	0.01	SW846-8270C
Isosafrole	U	0.01	mg/L	0.01	SW846-8270C
Methapyrilene	U	0.01	mg/L	0.01	SW846-8270C
Methyl methanesulfonate	U	0.01	mg/L	0.01	SW846-8270C
Methyl parathion	U	0.0005	mg/L	0.0005	SW846-8141
Naphthalene	U	0.01	mg/L	0.01	SW846-8270C
Nitrobenzene	U	0.01	mg/L	0.01	SW846-8270C
N-Nitrosodiethylamine	U	0.01	mg/L	0.01	SW846-8270C
N-Nitrosodimethylamine	U	0.01	mg/L	0.01	SW846-8270C
N-Nitroso-di-n-butylamine	U	0.01	mg/L	0.01	SW846-8270C
N-Nitroso-di-n-propylamine	U	0.01	mg/L	0.01	SW846-8270C
N-Nitrosodiphenylamine	U	0.01	mg/L	0.01	SW846-8270C
N-Nitrosomethylethylamine	U	0.01	mg/L	0.01	SW846-8270C
N-Nitrosopiperidine	U	0.05	mg/L	0.05	SW846-8270C
N-Nitrosopyrrolidine	U	0.01	mg/L	0.01	SW846-8270C
O,O,O-Triethylphosphorothioate	U	0.0005	mg/L	0.0005	SW846-8141
o-Toluidine	U	0.01	mg/L	0.01	SW846-8270C
Parathion	U	0.0005	mg/L	0.0005	SW846-8141
p-Dimethylaminoazobenzene	U	0.01	mg/L	0.01	SW846-8270C
Pentachlorobenzene	U	0.01	mg/L	0.01	SW846-8270C
Pentachloroethane	U	0.01	mg/L	0.01	SW846-8270C
Pentachloronitrobenzene	U	0.05	mg/L	0.05	SW846-8270C
Pentachlorophenol	U	0.025	mg/L	0.025	SW846-8270C
Phenacetin	U	0.01	mg/L	0.01	SW846-8270C
Phenanthrene	U	0.01	mg/L	0.01	SW846-8270C
Phenol	U	0.01	mg/L	0.01	SW846-8270C
Phorate	U	0.0005	mg/L	0.0005	SW846-8141
p-Phenylenediamine	U	0.01	mg/L	0.01	SW846-8270C
Pronamide	U	0.01	mg/L	0.01	SW846-8270C
Pyrene	U	0.01	mg/L	0.01	SW846-8270C
Sulfotepp	U	0.0005	mg/L	0.0005	SW846-8141
Thionazin	U	0.0005	mg/L	0.0005	SW846-8141

## VOA

1,1,1,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260B
1,1,1-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260B
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260B
1,1,2-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260B
1,1-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260B
1,1-Dichloropropene	U	0.01	mg/L	0.01	SW846-8260B
1,2,3-Trichloropropane	U	0.01	mg/L	0.01	SW846-8260B
1,2-Dibromo-3-chloropropane	U	0.02	mg/L	0.02	SW846-8260B
1,2-Dibromoethane	U	0.02	mg/L	0.02	SW846-8260B
1,2-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260B
1,2-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260B
1,2-Dichloropropane	U	0.005	mg/L	0.005	SW846-8260B
1,2-Dimethylbenzene	U	0.005	mg/L	0.005	SW846-8260B
1,3-Dichloropropane	U	0.01	mg/L	0.01	SW846-8260B
1,3-Dimethylbenzene	U	0.005	mg/L	0.005	SW846-8260B
1,4-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260B

**MW370****UG02-06****C-746-U MW Abandonment and Replacement - Event 2 UG02-06**

2,2-Dichloropropane	U	0.01 mg/L	0.01	SW846-8260B
2-Butanone	U	0.05 mg/L	0.05	SW846-8260B
2-Chloro-1,3-butadiene	U	0.01 mg/L	0.01	SW846-8260B
2-Chloroethyl vinyl ether	U	0.01 mg/L	0.01	SW846-8260B
2-Hexanone	U	0.01 mg/L	0.01	SW846-8260B
4-Methyl-2-pentanone	U	0.01 mg/L	0.01	SW846-8260B
Acetone		0.11 mg/L	0.01	SW846-8260B
Acetonitrile	U	0.02 mg/L	0.02	SW846-8260B
Acrolein	U	0.01 mg/L	0.01	SW846-8260B
Acrylonitrile	U	0.01 mg/L	0.01	SW846-8260B
Allyl chloride	U	0.02 mg/L	0.02	SW846-8260B
Benzene	U	0.005 mg/L	0.005	SW846-8260B
Bromochloromethane	U	0.005 mg/L	0.005	SW846-8260B
Bromodichloromethane	U	0.005 mg/L	0.005	SW846-8260B
Bromoform	U	0.005 mg/L	0.005	SW846-8260B
Bromomethane	U	0.01 mg/L	0.01	SW846-8260B
Carbon disulfide	U	0.005 mg/L	0.005	SW846-8260B
Carbon tetrachloride	U	0.005 mg/L	0.005	SW846-8260B
Chlorobenzene	U	0.005 mg/L	0.005	SW846-8260B
Chloroethane	U	0.01 mg/L	0.01	SW846-8260B
Chloromethane	U	0.01 mg/L	0.01	SW846-8260B
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260B
cis-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260B
Dibromochloromethane	U	0.005 mg/L	0.005	SW846-8260B
Dibromomethane	U	0.01 mg/L	0.01	SW846-8260B
Dichlorodifluoromethane	U	0.01 mg/L	0.01	SW846-8260B
Ethanol	U	5 mg/L	5	SW846-8015
Ethyl cyanide	U	0.05 mg/L	0.05	SW846-8260B
Ethyl methacrylate	U	0.01 mg/L	0.01	SW846-8260B
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260B
Iodomethane	U	0.01 mg/L	0.01	SW846-8260B
Isobutanol	U	0.1 mg/L	0.1	SW846-8260B
Methacrylonitrile	U	0.02 mg/L	0.02	SW846-8260B
Methyl methacrylate	U	0.01 mg/L	0.01	SW846-8260B
Methylene chloride	U	0.005 mg/L	0.005	SW846-8260B
Styrene	U	0.005 mg/L	0.005	SW846-8260B
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260B
Toluene	U	0.005 mg/L	0.005	SW846-8260B
Total Xylene	U	0.005 mg/L	0.005	SW846-8260B
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260B
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260B
Trans-1,4-Dichloro-2-butene	U	0.02 mg/L	0.02	SW846-8260B
Trichloroethene		0.017 mg/L	0.005	SW846-8260B
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260B
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260B
<b>WETCHEM</b>				
Bicarbonate as CaCO3		155 mg/L	10	SM-2320 B 17
Carbonate as CaCO3	U	10 mg/L	10	SM-2320 B 17
Chemical Oxygen Demand (COD)		134 mg/L	35	EPA-410.4 1978
Cyanide	U	0.02 mg/L	0.02	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		4.3 mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.228 mg/L	0.05	SW846-9020B
Turbidity		7.3 NTU	0.5	EPA-180.1 1978

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MW371

UG02-06

C-746-U MW Abandonment and Replacement - Event 2 UG02-06

MW371UG4-02

Collected: 4/22/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Fluoride	U	1	mg/L		1	SW846-9056
Sulfate		8.6	mg/L		5	SW846-9056
Sulfide	U	1	mg/L		1	EPA-376.1
<b>Field P</b>						
Barometric Pressure Reading		29.74	Inches/Hg			
Conductivity		643	umho/cm			
Depth to Water		24.71	ft			
Dissolved Oxygen		1.15	mg/L			
pH		6.5	Std Unit			
Redox		165	mV			
Temperature		63	deg F			
<b>HERB</b>						
2,4,5-T	U	0.0005	mg/L		0.0005	SW846-8151A
2,4-D	U	0.001	mg/L		0.001	SW846-8151A
Silvex	U	0.0005	mg/L		0.0005	SW846-8151A
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Barium		0.033	mg/L		0.025	SW846-6010A
Beryllium	U	0.005	mg/L		0.005	SW846-6010A
Boron	JU	2	mg/L		2	SW846-6010A
Cadmium	UW	0.005	mg/L		0.005	SW846-7131
Calcium	N	22.4	mg/L		1	SW846-6010A
Chromium	U	0.025	mg/L		0.025	SW846-6010A
Cobalt	U	0.025	mg/L		0.025	SW846-6010A
Copper	U	0.025	mg/L		0.025	SW846-6010A
Iron	BN	0.913	mg/L		0.2	SW846-6010A
Magnesium		9.77	mg/L		0.025	SW846-6010A
Manganese		0.067	mg/L		0.025	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	U	0.025	mg/L		0.025	SW846-6010A
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Potassium	U	2	mg/L		2	SW846-6010A
Rhodium	U	0.2	mg/L		0.2	SW846-6010A
Selenium	UW	0.01	mg/L		0.01	SW846-7740
Silver	BU	0.025	mg/L		0.025	SW846-6010A
Sodium	JN	131	mg/L		2	SW846-6010A
Tantalum	U	0.2	mg/L		0.2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Tin	U	1	mg/L		1	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.025	mg/L		0.025	SW846-6010A
Zinc	U	0.1	mg/L		0.1	SW846-6010A
<b>METAL-D</b>						
Barium		0.033	mg/L		0.025	SW846-6010A
Uranium, Dissolved		0.001	mg/L		0.001	IN7105
<b>PHYSC</b>						
Dissolved Solids		409	mg/L		100	EPA-160.2
<b>PPCB</b>						

**MW371**

**UG02-06**

**C-746-U MW Abandonment and Replacement - Event 2 UG02-06**

4,4'-DDD	U	0.0001	mg/L	0.0001	SW846-8081
4,4'-DDE	U	0.0001	mg/L	0.0001	SW846-8081
4,4'-DDT	U	0.0001	mg/L	0.0001	SW846-8081
Aldrin	U	0.00005	mg/L	5E-05	SW846-8081
alpha-BHC	U	0.00005	mg/L	5E-05	SW846-8081
alpha-Chlordane	U	0.00005	mg/L	5E-05	SW846-8081
beta-BHC	U	0.00005	mg/L	5E-05	SW846-8081
delta-BHC	U	0.00005	mg/L	5E-05	SW846-8081
Dieldrin	U	0.0001	mg/L	0.0001	SW846-8081
Endosulfan I	U	0.00005	mg/L	5E-05	SW846-8081
Endosulfan II	U	0.0001	mg/L	0.0001	SW846-8081
Endosulfan sulfate	U	0.0001	mg/L	0.0001	SW846-8081
Endrin	U	0.0001	mg/L	0.0001	SW846-8081
Endrin aldehyde	U	0.0001	mg/L	0.0001	SW846-8081
gamma-Chlordane	U	0.00005	mg/L	5E-05	SW846-8081
Heptachlor	U	0.00005	mg/L	5E-05	SW846-8081
Heptachlor epoxide	U	0.00005	mg/L	5E-05	SW846-8081
Isodrin	U	0.0001	mg/L	0.0001	SW846-8081
Kepone	U	0.0005	mg/L	0.0005	SW846-8081
Lindane	U	0.00005	mg/L	5E-05	SW846-8081
Methoxychlor	U	0.0005	mg/L	0.0005	SW846-8081
PCB-1016	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1221	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1232	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1242	U	0.00011	mg/L	0.0001	SW846-8082
PCB-1248	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1254	U	0.00013	mg/L	0.0001	SW846-8082
PCB-1260	U	0.00009	mg/L	9E-05	SW846-8082
PCB-1268	U	0.00009	mg/L	9E-05	SW846-8082
Polychlorinated biphenyl	U	0.00017	mg/L	0.0002	SW846-8082
Toxaphene	U	0.005	mg/L	0.005	SW846-8081

**RADS**

Alpha activity	U	3.67	pCi/L	1.9	12.2	EPA-900.0
Beta activity	U	-1.33	pCi/L	0.328	7.14	EPA-900.0
Strontium-90	U	0.946	pCi/L	0.231	18.2	RL-7145
Technetium-99	U	7.9	pCi/L	12.1	17.5	RL-7100
Tritium	U	72.9	pCi/L	168	278	704R5

**SVOA**

1,2,4,5-Tetrachlorobenzene	U	0.01	mg/L	0.01	SW846-8270C
1,2,4-Trichlorobenzene	U	0.01	mg/L	0.01	SW846-8270C
1,3,5-Trinitrobenzene	U	0.01	mg/L	0.01	SW846-8270C
1,3-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260B
1,3-Dinitrobenzene	U	0.01	mg/L	0.01	SW846-8270C
1,4-Dioxane	U	0.01	mg/L	0.01	SW846-8270C
1,4-Naphthoquinone	U	0.01	mg/L	0.01	SW846-8270C
1-Naphthalenamine	U	0.01	mg/L	0.01	SW846-8270C
2,3,4,6-Tetrachlorophenol	U	0.01	mg/L	0.01	SW846-8270C
2,4,5-Trichlorophenol	U	0.025	mg/L	0.025	SW846-8270C
2,4,6-Trichlorophenol	U	0.01	mg/L	0.01	SW846-8270C
2,4-Dichlorophenol	U	0.01	mg/L	0.01	SW846-8270C
2,4-Dimethylphenol	U	0.01	mg/L	0.01	SW846-8270C
2,4-Dinitrophenol	U	0.025	mg/L	0.025	SW846-8270C
2,4-Dinitrotoluene	U	0.01	mg/L	0.01	SW846-8270C
2,6-Dichlorophenol	U	0.01	mg/L	0.01	SW846-8270C
2,6-Dinitrotoluene	U	0.01	mg/L	0.01	SW846-8270C

## MW371

## UG02-06

## C-746-U MW Abandonment and Replacement - Event 2 UG02-06

2-Acetylaminofluorene	U	0.01	mg/L	0.01	SW846-8270C
2-Chloronaphthalene	U	0.01	mg/L	0.01	SW846-8270C
2-Chlorophenol	U	0.01	mg/L	0.01	SW846-8270C
2-Methyl-4,6-dinitrophenol	U	0.025	mg/L	0.025	SW846-8270C
2-Methylnaphthalene	U	0.01	mg/L	0.01	SW846-8270C
2-Methylphenol	U	0.01	mg/L	0.01	SW846-8270C
2-Naphthalenamine	U	0.01	mg/L	0.01	SW846-8270C
2-Nitrobenzenamine	U	0.025	mg/L	0.025	SW846-8270C
2-Nitrophenol	U	0.01	mg/L	0.01	SW846-8270C
3,3'-Dichlorobenzidine	U	0.01	mg/L	0.01	SW846-8270C
3,3'-Dimethylbenzidine	U	0.01	mg/L	0.01	SW846-8270C
3-Methylcholanthrene	U	0.01	mg/L	0.01	SW846-8270C
3-Methylphenol	U	0.01	mg/L	0.01	SW846-8270C
3-Nitrobenzenamine	U	0.025	mg/L	0.025	SW846-8270C
4-Aminobiphenyl	U	0.01	mg/L	0.01	SW846-8270C
4-Bromophenyl phenyl ether	U	0.01	mg/L	0.01	SW846-8270C
4-Chloro-3-methylphenol	U	0.01	mg/L	0.01	SW846-8270C
4-Chlorobenzenamine	U	0.01	mg/L	0.01	SW846-8270C
4-Chlorophenyl phenyl ether	U	0.01	mg/L	0.01	SW846-8270C
4-Nitrobenzenamine	U	0.025	mg/L	0.025	SW846-8270C
4-Nitrophenol	U	0.025	mg/L	0.025	SW846-8270C
5-(2-Propenyl)-1,3-benzodioxole (Safr	U	0.01	mg/L	0.01	SW846-8270C
5-Nitro-o-toluidine	U	0.01	mg/L	0.01	SW846-8270C
7,12-Dimethylbenz(a)anthracene	U	0.01	mg/L	0.01	SW846-8270C
Acenaphthene	U	0.01	mg/L	0.01	SW846-8270C
Acenaphthylene	U	0.01	mg/L	0.01	SW846-8270C
Acetophenone	U	0.01	mg/L	0.01	SW846-8270C
Anthracene	U	0.01	mg/L	0.01	SW846-8270C
Benz(a)anthracene	U	0.01	mg/L	0.01	SW846-8270C
Benzenemethanol	U	0.01	mg/L	0.01	SW846-8270C
Benzo(a)pyrene	U	0.01	mg/L	0.01	SW846-8270C
Benzo(b)fluoranthene	U	0.01	mg/L	0.01	SW846-8270C
Benzo(ghi)perylene	U	0.01	mg/L	0.01	SW846-8270C
Benzo(k)fluoranthene	U	0.01	mg/L	0.01	SW846-8270C
Bis(2-chloroethoxy)methane	U	0.01	mg/L	0.01	SW846-8270C
Bis(2-chloroethyl) ether	U	0.01	mg/L	0.01	SW846-8270C
Bis(2-chloroisopropyl) ether	U	0.01	mg/L	0.01	SW846-8270C
Bis(2-ethylhexyl)phthalate	JB	0.002	mg/L	0.01	SW846-8270C
Butyl benzyl phthalate	U	0.01	mg/L	0.01	SW846-8270C
Chlorobenzilate	U	0.01	mg/L	0.01	SW846-8270C
Chrysene	U	0.01	mg/L	0.01	SW846-8270C
Diallate	U	0.01	mg/L	0.01	SW846-8270C
Dibenz(a,h)anthracene	U	0.01	mg/L	0.01	SW846-8270C
Dibenzofuran	U	0.01	mg/L	0.01	SW846-8270C
Diethyl phthalate	U	0.01	mg/L	0.01	SW846-8270C
Dimethoate	U	0.0005	mg/L	0.0005	SW846-8141
Dimethyl phthalate	U	0.01	mg/L	0.01	SW846-8270C
Di-n-butyl phthalate	U	0.01	mg/L	0.01	SW846-8270C
Di-n-octylphthalate	U	0.01	mg/L	0.01	SW846-8270C
Dinoseb	U	0.05	mg/L	0.05	SW846-8270C
Disulfoton	U	0.0005	mg/L	0.0005	SW846-8141
Ethyl methanesulfonate	U	0.01	mg/L	0.01	SW846-8270C
Famphur	U	0.0012	mg/L	0.0012	SW846-8141
Fluoranthene	U	0.01	mg/L	0.01	SW846-8270C
Fluorene	U	0.01	mg/L	0.01	SW846-8270C

**MW371****UG02-06****C-746-U MW Abandonment and Replacement - Event 2 UG02-06**

Hexachloro-1-propene	U	0.01	mg/L	0.01	SW846-8270C
Hexachlorobenzene	U	0.01	mg/L	0.01	SW846-8270C
Hexachlorobutadiene	U	0.01	mg/L	0.01	SW846-8270C
Hexachlorocyclopentadiene	U	0.01	mg/L	0.01	SW846-8270C
Hexachloroethane	U	0.01	mg/L	0.01	SW846-8270C
Indeno(1,2,3-cd)pyrene	U	0.01	mg/L	0.01	SW846-8270C
Isodrin	U	0.01	mg/L	0.01	SW846-8270C
Isophorone	U	0.01	mg/L	0.01	SW846-8270C
Isosafrole	U	0.01	mg/L	0.01	SW846-8270C
Methapyrilene	U	0.01	mg/L	0.01	SW846-8270C
Methyl methanesulfonate	U	0.01	mg/L	0.01	SW846-8270C
Methyl parathion	U	0.0005	mg/L	0.0005	SW846-8141
Naphthalene	U	0.01	mg/L	0.01	SW846-8270C
Nitrobenzene	U	0.01	mg/L	0.01	SW846-8270C
N-Nitrosodiethylamine	U	0.01	mg/L	0.01	SW846-8270C
N-Nitrosodimethylamine	U	0.01	mg/L	0.01	SW846-8270C
N-Nitroso-di-n-butylamine	U	0.01	mg/L	0.01	SW846-8270C
N-Nitroso-di-n-propylamine	U	0.01	mg/L	0.01	SW846-8270C
N-Nitrosodiphenylamine	U	0.01	mg/L	0.01	SW846-8270C
N-Nitrosomethylethylamine	U	0.01	mg/L	0.01	SW846-8270C
N-Nitrosopiperidine	U	0.05	mg/L	0.05	SW846-8270C
N-Nitrosopyrrolidine	U	0.01	mg/L	0.01	SW846-8270C
O,O,O-Triethylphosphorothioate	U	0.0005	mg/L	0.0005	SW846-8141
o-Toluidine	U	0.01	mg/L	0.01	SW846-8270C
Parathion	U	0.0005	mg/L	0.0005	SW846-8141
p-Dimethylaminoazobenzene	U	0.01	mg/L	0.01	SW846-8270C
Pentachlorobenzene	U	0.01	mg/L	0.01	SW846-8270C
Pentachloroethane	U	0.01	mg/L	0.01	SW846-8270C
Pentachloronitrobenzene	U	0.05	mg/L	0.05	SW846-8270C
Pentachlorophenol	U	0.025	mg/L	0.025	SW846-8270C
Phenacetin	U	0.01	mg/L	0.01	SW846-8270C
Phenanthrene	U	0.01	mg/L	0.01	SW846-8270C
Phenol	U	0.01	mg/L	0.01	SW846-8270C
Phorate	U	0.0005	mg/L	0.0005	SW846-8141
p-Phenylenediamine	U	0.01	mg/L	0.01	SW846-8270C
Pronamide	U	0.01	mg/L	0.01	SW846-8270C
Pyrene	U	0.01	mg/L	0.01	SW846-8270C
Sulfotepp	U	0.0005	mg/L	0.0005	SW846-8141
Thionazin	U	0.0005	mg/L	0.0005	SW846-8141

**VOA**

1,1,1,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260B
1,1,1-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260B
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260B
1,1,2-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260B
1,1-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260B
1,1-Dichloropropene	U	0.01	mg/L	0.01	SW846-8260B
1,2,3-Trichloropropane	U	0.01	mg/L	0.01	SW846-8260B
1,2-Dibromo-3-chloropropane	U	0.02	mg/L	0.02	SW846-8260B
1,2-Dibromoethane	U	0.02	mg/L	0.02	SW846-8260B
1,2-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260B
1,2-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260B
1,2-Dichloropropane	U	0.005	mg/L	0.005	SW846-8260B
1,2-Dimethylbenzene	U	0.005	mg/L	0.005	SW846-8260B
1,3-Dichloropropane	U	0.01	mg/L	0.01	SW846-8260B
1,3-Dimethylbenzene	U	0.005	mg/L	0.005	SW846-8260B

## MW371

## UG02-06

## C-746-U MW Abandonment and Replacement - Event 2 UG02-06

1,4-Dichlorobenzene	U	0.005 mg/L	0.005	SW846-8260B
2,2-Dichloropropane	U	0.01 mg/L	0.01	SW846-8260B
2-Butanone	U	0.05 mg/L	0.05	SW846-8260B
2-Chloro-1,3-butadiene	U	0.01 mg/L	0.01	SW846-8260B
2-Chloroethyl vinyl ether	U	0.01 mg/L	0.01	SW846-8260B
2-Hexanone	U	0.01 mg/L	0.01	SW846-8260B
4-Methyl-2-pentanone	U	0.01 mg/L	0.01	SW846-8260B
Acetone	U	0.01 mg/L	0.01	SW846-8260B
Acetonitrile	U	0.02 mg/L	0.02	SW846-8260B
Acrolein	U	0.01 mg/L	0.01	SW846-8260B
Acrylonitrile	U	0.01 mg/L	0.01	SW846-8260B
Allyl chloride	U	0.02 mg/L	0.02	SW846-8260B
Benzene	U	0.005 mg/L	0.005	SW846-8260B
Bromochloromethane	U	0.005 mg/L	0.005	SW846-8260B
Bromodichloromethane	U	0.005 mg/L	0.005	SW846-8260B
Bromoform	U	0.005 mg/L	0.005	SW846-8260B
Bromomethane	U	0.01 mg/L	0.01	SW846-8260B
Carbon disulfide	U	0.005 mg/L	0.005	SW846-8260B
Carbon tetrachloride	U	0.005 mg/L	0.005	SW846-8260B
Chlorobenzene	U	0.005 mg/L	0.005	SW846-8260B
Chloroethane	U	0.01 mg/L	0.01	SW846-8260B
Chloromethane	U	0.01 mg/L	0.01	SW846-8260B
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260B
cis-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260B
Dibromochloromethane	U	0.005 mg/L	0.005	SW846-8260B
Dibromomethane	U	0.01 mg/L	0.01	SW846-8260B
Dichlorodifluoromethane	U	0.01 mg/L	0.01	SW846-8260B
Ethanol	U	5 mg/L	5	SW846-8015
Ethyl cyanide	U	0.05 mg/L	0.05	SW846-8260B
Ethyl methacrylate	U	0.01 mg/L	0.01	SW846-8260B
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260B
Iodomethane	U	0.01 mg/L	0.01	SW846-8260B
Isobutanol	U	0.1 mg/L	0.1	SW846-8260B
Methacrylonitrile	U	0.02 mg/L	0.02	SW846-8260B
Methyl methacrylate	U	0.01 mg/L	0.01	SW846-8260B
Methylene chloride	U	0.005 mg/L	0.005	SW846-8260B
Styrene	U	0.005 mg/L	0.005	SW846-8260B
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260B
Toluene	U	0.005 mg/L	0.005	SW846-8260B
Total Xylene	U	0.005 mg/L	0.005	SW846-8260B
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260B
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260B
Trans-1,4-Dichloro-2-butene	U	0.02 mg/L	0.02	SW846-8260B
Trichloroethene	U	0.005 mg/L	0.005	SW846-8260B
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260B
Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260B
<b>WETCHEM</b>				
Bicarbonate as CaCO3		306 mg/L	10	SM-2320 B 17
Carbonate as CaCO3	U	10 mg/L	10	SM-2320 B 17
Chemical Oxygen Demand (COD)	U	35 mg/L	35	EPA-410.4 1978
Cyanide	U	0.02 mg/L	0.02	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		7 mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.105 mg/L	0.05	SW846-9020B
Turbidity		2.3 NTU	0.5	EPA-180.1 1978

MW371

UG02-06

C-746-U MW Abandonment and Replacement - Event 2 UG02-06

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# Paducah-OREIS Data Report

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**MW369**

**UG02-07**

**3-746-U MW Abandonment and Replacement - Event 1/Radium UG02-07**

**MW369UG3-02**

Collected: 3/18/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.77	Inches/Hg			
Conductivity		388	umho/cm			
Depth to Water		38.13	ft			
Dissolved Oxygen		5.41	mg/L			
pH		6.1	Std Unit			
Redox		215	mV			
Temperature		58	deg F			
<b>RADS</b>						
Radium	U	0.0984	pCi/L	0.0689	0.448	RL-7113

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**MW370**

**UG02-07**

**370-746-U MW Abandonment and Replacement - Event 1/Radium UG02-07**

**MW370UG3-02**

Collected: 3/17/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.59	Inches/Hg			
Conductivity		406	umho/cm			
Depth to Water		38.83	ft			
Dissolved Oxygen		4.32	mg/L			
pH		6.3	Std Unit			
Redox		140	mV			
Temperature		58.4	deg F			
<b>RADS</b>						
Radium	U	-0.429	pCi/L	0	0.448	RL-7113

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**MW371**

**UG02-07**

**3-746-U MW Abandonment and Replacement - Event 1/Radium UG02-07**

**MW371UG3-02**

Collected: 3/18/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.77	Inches/Hg			
Conductivity		541	umho/cm			
Depth to Water		25.14	ft			
Dissolved Oxygen		2.26	mg/L			
pH		6.3	Std Unit			
Redox		75	mV			
Temperature		58.5	deg F			
<b>RADS</b>						
Potassium-40		36.8	pCi/L	30	22.1	RL-7124
Radium	U	0.337	pCi/L	0.0772	0.448	RL-7113

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**MW369**

**UG02-08**

**3-746-U MW Abandonment and Replacement - Event 2/Radium UG02-08**

**MW369UG4-02**

Collected: 4/22/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.74	Inches/Hg			
Conductivity		404	umho/cm			
Depth to Water		35.6	ft			
Dissolved Oxygen		1.57	mg/L			
pH		6.1	Std Unit			
Redox		110	mV			
Temperature		61.7	deg F			
<b>RADS</b>						
Radium	U	-0.877	pCi/L	0	0.388	RL-7113

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**MW370**

**UG02-08**

**3-746-U MW Abandonment and Replacement - Event 2/Radium UG02-08**

**MW370UG4-02**

Collected: 4/23/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.74	Inches/Hg			
Conductivity		543	umho/cm			
Depth to Water		36.49	ft			
Dissolved Oxygen		1.24	mg/L			
pH		6.4	Std Unit			
Redox		-15	mV			
Temperature		59.2	deg F			
<b>RADS</b>						
Radium	U	0.233	pCi/L	0.0972	0.612	RL-7113

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**MW371**

**UG02-08**

**3-746-U MW Abandonment and Replacement - Event 2/Radium UG02-08**

**MW371UG4-02**

Collected: 4/22/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.74	Inches/Hg			
Conductivity		643	umho/cm			
Depth to Water		24.71	ft			
Dissolved Oxygen		1.15	mg/L			
pH		6.5	Std Unit			
Redox		165	mV			
Temperature		63	deg F			
<b>RADS</b>						
Radium	U	-0.566	pCi/L	0	0.388	RL-7113

## MW369

## UG03-01

## C-746 U QUARTERLY - OCTOBER UG03-01

## MW369UG1-02

Collected: 10/8/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		47.7	mg/L		2	SW846-9056
Fluoride		0.28	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		6.9	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.83	Inches/Hg			
Conductivity		403	umho/cm			
Depth to Water		40.27	ft			
Dissolved Oxygen		1.09	mg/L			
pH		6.5	Std Unit			
Temperature		61.7	deg F			
<b>METAL</b>						
Aluminum	JUW	0.2	mg/L		0.2	SW846-6020
Antimony	U	0.005	mg/L		0.005	SW846-6020
Arsenic		0.0134	mg/L		0.01	SW846-6020
Barium		0.383	mg/L		0.05	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	JU	0.2	mg/L		0.2	SW846-6020
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium	NW	21.9	mg/L		10	SW846-6020
Chromium	U	0.02	mg/L		0.02	SW846-6020
Cobalt		0.00938	mg/L		0.001	SW846-6020
Copper	U	0.02	mg/L		0.02	SW846-6020
Iron	*N	21.5	mg/L		2	SW846-6020
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium	NW	8.62	mg/L		0.2	SW846-6020
Manganese		0.867	mg/L		0.05	SW846-6020
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	U	0.001	mg/L		0.001	SW846-6020
Nickel	U	0.005	mg/L		0.005	SW846-6020
Potassium	NW	0.966	mg/L		0.2	SW846-6020
Rhodium	UX	0.005	mg/L		0.005	SW846-6020
Selenium	U	0.005	mg/L		0.005	SW846-6020
Silver	U	0.002	mg/L		0.002	SW846-6020
Sodium	NW	66.9	mg/L		10	SW846-6020
Tantalum	UX	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.01	mg/L		0.01	SW846-6020
Uranium		0.00355	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.025	mg/L		0.025	SW846-6020
<b>METAL-D</b>						
Arsenic, Dissolved		0.0128	mg/L		0.01	SW846-6020
Barium, Dissolved	N	0.363	mg/L		0.05	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
<b>PHYSC</b>						
Dissolved Solids		275	mg/L		50	EPA-160.2
<b>RADS</b>						
Alpha activity	U	1.17	pCi/L	0.737	9.77	EPA-900.0

## MW369

## UG03-01

## C-746 U QUARTERLY - OCTOBER UG03-01

Beta activity		7.59	pCi/L	1.45	5.85	EPA-900.0
Iodine-131	U	1.21	pCi/L	2.41	6.2	RL-7124
Strontium-90	U	1.7	pCi/L	0.271	6.69	RL-7145
Technetium-99	U	16.4	pCi/L	12.8	18.2	RL-7100
Thorium-234	U	12.8	pCi/L	25.6	46.4	RL-7124
Tritium	U	-155	pCi/L	161	273	704R5
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	JU	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	JU	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	JU	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene		0.003	mg/L		0.001	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L		0.005	SW846-8260
Vinyl acetate	JU	0.01	mg/L		0.01	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260



**MW369**

**UG03-01**

**C-746 U QUARTERLY - OCTOBER UG03-01**

**WETCHEM**

Chemical Oxygen Demand (COD)		50 mg/L	35	EPA-410.4 1978
Cyanide	U	0.02 mg/L	0.02	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		17.7 mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.202 mg/L	0.05	SW846-9020B
Turbidity		55 NTU	0.5	EPA-180.1 1978

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MW370

UG03-01

C-746 U QUARTERLY - OCTOBER UG03-01

MW370UG1-02

Collected: 10/8/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		53.6	mg/L		2	SW846-9056
Fluoride		0.23	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		13.4	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.83	Inches/Hg			
Conductivity		441	umho/cm			
Depth to Water		41.14	ft			
Dissolved Oxygen		0.94	mg/L			
pH		6.3	Std Unit			
Temperature		63.1	deg F			
<b>METAL</b>						
Aluminum	JUW	0.2	mg/L		0.2	SW846-6020
Antimony	U	0.005	mg/L		0.005	SW846-6020
Barium		0.229	mg/L		0.05	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	JU	0.2	mg/L		0.2	SW846-6020
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium	NW	29.2	mg/L		10	SW846-6020
Chromium	U	0.02	mg/L		0.02	SW846-6020
Cobalt		0.0174	mg/L		0.001	SW846-6020
Copper	U	0.02	mg/L		0.02	SW846-6020
Iron		7.45	mg/L		0.2	SW846-6020
Lead		0.0127	mg/L		0.005	SW846-6020
Magnesium	N	12.2	mg/L		2	SW846-6020
Manganese		0.988	mg/L		0.05	SW846-6020
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470
Molybdenum		0.00113	mg/L		0.001	SW846-6020
Nickel	U	0.005	mg/L		0.005	SW846-6020
Potassium	NW	2.46	mg/L		0.2	SW846-6020
Rhodium	UX	0.005	mg/L		0.005	SW846-6020
Selenium	U	0.005	mg/L		0.005	SW846-6020
Silver	U	0.002	mg/L		0.002	SW846-6020
Sodium	NW	40	mg/L		10	SW846-6020
Tantalum	UX	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.01	mg/L		0.01	SW846-6020
Uranium		0.00398	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.025	mg/L		0.025	SW846-6020
<b>METAL-D</b>						
Barium, Dissolved	N	0.236	mg/L		0.05	SW846-6020
Lead, Dissolved	U	0.005	mg/L		0.005	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
<b>PHYSC</b>						
Dissolved Solids		240	mg/L		50	EPA-160.2
<b>RADS</b>						
Alpha activity	U	-0.462	pCi/L	0.349	8.47	EPA-900.0
Beta activity	U	4.9	pCi/L	1.02	5.55	EPA-900.0

\*QUALIFIER Codes See attached List.

## MW370

## UG03-01

## C-746 U QUARTERLY - OCTOBER UG03-01

Iodine-131	U	-1.81	pCi/L	3.62	6.26	RL-7124
Strontium-90	U	0.0835	pCi/L	0.0142	6.69	RL-7145
Technetium-99	U	4.78	pCi/L	12.3	18.2	RL-7100
Thorium-234	U	0.697	pCi/L	1.39	46.6	RL-7124
Tritium	U	-129	pCi/L	161	273	704R5
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichlorobenzene	JU	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	JU	0.01	mg/L		0.01	SW846-8260
Acetone	J	0.018	mg/L		0.01	SW846-8260
Acrolein	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	JU	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	JU	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	JU	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	JU	0.005	mg/L		0.005	SW846-8260
Trichloroethene		0.018	mg/L		0.001	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L		0.005	SW846-8260
Vinyl acetate	JU	0.01	mg/L		0.01	SW846-8260

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## MW370

### UG03-01

### C-746 U QUARTERLY - OCTOBER UG03-01

Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	35 mg/L	35	EPA-410.4 1978
Cyanide	U	0.02 mg/L	0.02	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		2.3 mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.058 mg/L	0.05	SW846-9020B
Turbidity		14 NTU	0.5	EPA-180.1 1978

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MW371

UG03-01

C-746 U QUARTERLY - OCTOBER UG03-01

MW371UG1-02

Collected: 10/8/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		7.6	mg/L		2	SW846-9056
Fluoride		0.31	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate	U	5	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.83	Inches/Hg			
Conductivity		631	umho/cm			
Depth to Water		24.49	ft			
Dissolved Oxygen		0.74	mg/L			
pH		6.6	Std Unit			
Temperature		62.3	deg F			
<b>METAL</b>						
Aluminum	JUW	0.2	mg/L		0.2	SW846-6020
Antimony	U	0.005	mg/L		0.005	SW846-6020
Barium	N	0.0676	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	JU	0.2	mg/L		0.2	SW846-6020
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium	NW	26.4	mg/L		20	SW846-6020
Chromium	U	0.02	mg/L		0.02	SW846-6020
Cobalt	U	0.001	mg/L		0.001	SW846-6020
Copper	U	0.02	mg/L		0.02	SW846-6020
Iron		3.86	mg/L		0.2	SW846-6020
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium	NW	10.2	mg/L		0.2	SW846-6020
Manganese	NW	0.0521	mg/L		0.005	SW846-6020
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	U	0.001	mg/L		0.001	SW846-6020
Nickel		0.0124	mg/L		0.005	SW846-6020
Potassium	NW	0.408	mg/L		0.2	SW846-6020
Rhodium	UX	0.005	mg/L		0.005	SW846-6020
Selenium	U	0.005	mg/L		0.005	SW846-6020
Silver	U	0.002	mg/L		0.002	SW846-6020
Sodium	NW	123	mg/L		20	SW846-6020
Tantalum	UX	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.01	mg/L		0.01	SW846-6020
Uranium		0.027	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.025	mg/L		0.025	SW846-6020
<b>METAL-D</b>						
Barium, Dissolved		0.0696	mg/L		0.005	SW846-6020
Uranium, Dissolved	U	0.001	mg/L		0.001	SW846-6020
<b>PHYSC</b>						
Dissolved Solids		424	mg/L		50	EPA-160.2
<b>RADS</b>						
Alpha activity	U	-0.145	pCi/L	0.11	11.3	EPA-900.0
Beta activity	U	1.29	pCi/L	0.315	6.21	EPA-900.0
Iodine-131	U	-0.757	pCi/L	1.51	5.88	RL-7124

**MW371****UG03-01****C-746 U QUARTERLY - OCTOBER UG03-01**

Strontium-90	U	-1.72	pCi/L	0.317	6.69	RL-7145
Technetium-99	U	0.858	pCi/L	12	18.2	RL-7100
Thorium-234	U	23.4	pCi/L	46.7	47.8	RL-7124
Tritium	U	-105	pCi/L	162	273	704R5
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	J	0.015	mg/L		0.01	SW846-8260
Acrylonitrile	JU	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	JU	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	JU	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	JU	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene	U	0.001	mg/L		0.001	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L		0.005	SW846-8260
Vinyl acetate	JU	0.01	mg/L		0.01	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260
<b>WETCHEM</b>						
Chemical Oxygen Demand (COD)	U	35	mg/L		35	EPA-410.4 1978

**MW371**

**UG03-01**

**C-746 U QUARTERLY - OCTOBER UG03-01**

Cyanide	U	0.02 mg/L	0.02	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		6 mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.052 mg/L	0.05	SW846-9020B
Turbidity		21 NTU	0.5	EPA-180.1 1978

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MW369

UG03-02

C-746 U QUARTERLY - JANUARY UG03-02

MW369UG2-03

Collected: 1/8/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		45.7	mg/L		2	SW846-9056
Fluoride		0.24	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		10.5	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.68	Inches/Hg			
Conductivity		520	umho/cm			
Depth to Water		40.56	ft			
Dissolved Oxygen		2.69	mg/L			
pH		6.5	Std Unit			
Redox		-5	mV			
Temperature		58.4	deg F			
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6020
Antimony	U	0.005	mg/L		0.005	SW846-6020
Arsenic		0.0138	mg/L		0.01	SW846-6020
Barium		0.366	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6020
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		20.9	mg/L		10	SW846-6020
Chromium	JU	0.02	mg/L		0.02	SW846-6020
Cobalt		0.00548	mg/L		0.001	SW846-6020
Copper	U	0.02	mg/L		0.02	SW846-6020
Iron	NW	18.5	mg/L		2	SW846-6020
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		7.89	mg/L		0.2	SW846-6020
Manganese	N	0.828	mg/L		0.05	SW846-6020
Mercury	BUW	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	U	0.005	mg/L		0.005	SW846-6020
Potassium	N	0.727	mg/L		0.2	SW846-6020
Rhodium	U	0.005	mg/L		0.005	SW846-6020
Selenium	U	0.005	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium	N	67.9	mg/L		10	SW846-6020
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.01	mg/L		0.01	SW846-6020
Uranium	*BNU	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	BU	0.035	mg/L		0.035	SW846-6020
<b>METAL-D</b>						
Barium, Dissolved		0.342	mg/L		0.005	SW846-6020
<b>PHYSC</b>						
Dissolved Solids		269	mg/L		50	EPA-160.2
<b>RADS</b>						
Alpha activity	U	1.71	pCi/L	1.03	4.77	EPA-900.0
Beta activity		9.58	pCi/L	1.79	5.66	EPA-900.0



## MW369

## UG03-02

## C-746 U QUARTERLY - JANUARY UG03-02

Iodine-131	U	-18.6	pCi/L	37.1	27.5	RL-7124
Strontium-90	U	1.61	pCi/L	0.268	6.94	RL-7145
Technetium-99	U	3.49	pCi/L	12.6	17.9	RL-7100
Thorium-234	U	-331	pCi/L	662	293	RL-7124
Tritium	U	118	pCi/L	161	264	704R5
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	U	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	JUX	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	JU	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260
Methylene chloride	JU	0.005	mg/L		0.005	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene		0.002	mg/L		0.001	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L		0.005	SW846-8260
Vinyl acetate	JU	0.01	mg/L		0.01	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260

**MW369**

**UG03-02**

**C-746 U QUARTERLY - JANUARY UG03-02**

**WETCHEM**

Chemical Oxygen Demand (COD)	U	35 mg/L	35	EPA-410.4 1978
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		9 mg/L	4	SW846-9060
Total Organic Halides (TOX)		0.177 mg/L	0.01	SW846-9020A
Turbidity		25 NTU	0.5	EPA-180.1 1978

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MW370

UG03-02

C-746 U QUARTERLY - JANUARY UG03-02

MW370UG2-03

Collected: 1/8/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		52.9	mg/L		2	SW846-9056
Fluoride		0.22	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		14.4	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.68	Inches/Hg			
Conductivity		486	umho/cm			
Depth to Water		41.43	ft			
Dissolved Oxygen		3.08	mg/L			
pH		6.4	Std Unit			
Temperature		59.5	deg F			
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6020
Antimony	U	0.005	mg/L		0.005	SW846-6020
Barium	WX	0.238	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6020
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium	NW	31.3	mg/L		10	SW846-6020
Chromium	U	0.02	mg/L		0.02	SW846-6020
Cobalt		0.0105	mg/L		0.001	SW846-6020
Copper	U	0.02	mg/L		0.02	SW846-6020
Iron	N	7.04	mg/L		0.2	SW846-6020
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium	JNX	11.5	mg/L		2	SW846-6020
Manganese	N	0.729	mg/L		0.05	SW846-6020
Mercury	BU	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	NU	0.005	mg/L		0.005	SW846-6020
Potassium	N	2.41	mg/L		0.2	SW846-6020
Rhodium	U	0.005	mg/L		0.005	SW846-6020
Selenium	U	0.005	mg/L		0.005	SW846-6020
Silver	U	0.001	mg/L		0.001	SW846-6020
Sodium	JNX	44.6	mg/L		10	SW846-6020
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.01	mg/L		0.01	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.035	mg/L		0.035	SW846-6020
<b>METAL-D</b>						
Barium, Dissolved		0.246	mg/L		0.005	SW846-6020
<b>PHYSC</b>						
Dissolved Solids		282	mg/L		67	EPA-160.2
<b>RADS</b>						
Alpha activity	U	1.6	pCi/L	0.967	3.93	EPA-900.0
Beta activity	U	4.47	pCi/L	0.877	6.14	EPA-900.0
Iodine-131	U	-19.9	pCi/L	39.8	26.7	RL-7124
Strontium-90	U	2.76	pCi/L	0.44	5.11	RL-7145

## MW370

## UG03-02

## C-746 U QUARTERLY - JANUARY UG03-02

Technetium-99	U	-5.12	pCi/L	0	17.9	RL-7100
Thorium-234	U	-155	pCi/L	309	294	RL-7124
Tritium	U	115	pCi/L	161	264	704R5
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	U	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	UX	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	JU	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260
Methylene chloride	JU	0.005	mg/L		0.005	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene		0.017	mg/L		0.001	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L		0.005	SW846-8260
Vinyl acetate	JU	0.01	mg/L		0.01	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260
<b>WETCHEM</b>						
Chemical Oxygen Demand (COD)	U	35	mg/L		35	EPA-410.4 1978

**MW370**

**UG03-02**

**C-746 U QUARTERLY - JANUARY UG03-02**

Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		3 mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.0724 mg/L	0.01	SW846-9020A
Turbidity		6.8 NTU	0.5	EPA-180.1 1978

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MW371

UG03-02

C-746 U QUARTERLY - JANUARY UG03-02

MW371UG2-03

Collected: 1/8/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting</u> <u>Error (+/-)</u>	<u>Detect</u> <u>Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		7.7	mg/L		2	SW846-9056
Fluoride		0.33	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate	U	5	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.68	Inches/Hg			
Conductivity		680	umho/cm			
Depth to Water		24.21	ft			
Dissolved Oxygen		2.62	mg/L			
pH		6.6	Std Unit			
Temperature		59.8	deg F			
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6020
Antimony	U	0.005	mg/L		0.005	SW846-6020
Barium		0.111	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6020
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		27.2	mg/L		10	SW846-6020
Chromium	JU	0.02	mg/L		0.02	SW846-6020
Cobalt	U	0.001	mg/L		0.001	SW846-6020
Copper	U	0.02	mg/L		0.02	SW846-6020
Iron	NW	1.88	mg/L		0.2	SW846-6020
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		10.7	mg/L		0.2	SW846-6020
Manganese	N	0.0385	mg/L		0.005	SW846-6020
Mercury	BUW	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	B	0.00121	mg/L		0.001	SW846-6020
Nickel	U	0.005	mg/L		0.005	SW846-6020
Potassium	N	0.384	mg/L		0.2	SW846-6020
Rhodium	U	0.005	mg/L		0.005	SW846-6020
Selenium	U	0.005	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium	N	128	mg/L		100	SW846-6020
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.01	mg/L		0.01	SW846-6020
Uranium	*BNU	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	BU	0.035	mg/L		0.035	SW846-6020
<b>METAL-D</b>						
Barium, Dissolved		0.106	mg/L		0.005	SW846-6020
<b>PHYSC</b>						
Dissolved Solids		431	mg/L		50	EPA-160.2
<b>RADS</b>						
Alpha activity	U	-0.115	pCi/L	0.103	7.33	EPA-900.0
Beta activity	U	1.84	pCi/L	0.463	6.73	EPA-900.0
Iodine-131	U	-4.48	pCi/L	8.95	27.7	RL-7124
Strontium-90	U	3.72	pCi/L	0.573	6.94	RL-7145

**MW371****UG03-02****C-746 U QUARTERLY - JANUARY UG03-02**

Technetium-99	U	5.23	pCi/L	12.8	17.9	RL-7100
Thorium-234	U	-94.3	pCi/L	189	304	RL-7124
Tritium	U	215	pCi/L	162	264	704R5
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	U	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	UX	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	JU	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	U	0.005	mg/L		0.005	SW846-8260
Methylene chloride	JU	0.005	mg/L		0.005	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene	U	0.001	mg/L		0.001	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L		0.005	SW846-8260
Vinyl acetate	JU	0.01	mg/L		0.01	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260
<b>WETCHEM</b>						
Chemical Oxygen Demand (COD)	U	35	mg/L		35	EPA-410.4 1978

**MW371**

**UG03-02**

**C-746 U QUARTERLY - JANUARY UG03-02**

Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		5.3 mg/L	1	SW846-9060
Total Organic Halides (TOX)	N	0.0202 mg/L	0.01	SW846-9020A
Turbidity		6.8 NTU	0.5	EPA-180.1 1978

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MW369

UG03-03

C-746 U QUARTERLY - APRIL UG03-03

MW369UG3-03

Collected: 4/3/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		47.4	mg/L		2	SW846-9056
Fluoride		0.22	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		10.5	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.88	Inches/Hg			
Conductivity		487	umho/cm			
Depth to Water		37.39	ft			
Dissolved Oxygen		2.04	mg/L			
pH		6.6	Std Unit			
Redox		-18	mV			
Temperature		62.4	deg F			
Turbidity		4.5	NTU			
<b>METAL</b>						
Aluminum	NU	0.2	mg/L		0.2	SW846-6020
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic	X	0.0122	mg/L		0.01	SW846-6020
Barium		0.419	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	BU	0.2	mg/L		0.2	SW846-6020
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium	NW	22.2	mg/L		10	SW846-6020
Chromium	U	0.02	mg/L		0.02	SW846-6020
Cobalt	X	0.00587	mg/L		0.001	SW846-6020
Copper	U	0.02	mg/L		0.02	SW846-6020
Iron		14.9	mg/L		2	SW846-6020
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		7.97	mg/L		0.2	SW846-6020
Manganese		0.672	mg/L		0.05	SW846-6020
Mercury	UW	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	U	0.005	mg/L		0.005	SW846-6020
Potassium		0.8	mg/L		0.2	SW846-6020
Rhodium	U	0.005	mg/L		0.005	SW846-6020
Selenium	UX	0.005	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium	JW	61.8	mg/L		10	SW846-6020
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.01	mg/L		0.01	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.035	mg/L		0.035	SW846-6020
<b>METAL-D</b>						
Barium, Dissolved		0.348	mg/L		0.005	SW846-6020
<b>PHYSC</b>						
Dissolved Solids		250	mg/L		50	EPA-160.1
<b>RADS</b>						
Alpha activity		6.65	pCi/L	2.71	4.87	EPA-900.0

## MW369

## UG03-03

## C-746 U QUARTERLY - APRIL UG03-03

Beta activity		6.69	pCi/L	1.39	5.93	EPA-900.0
Iodine-131	U	3.91	pCi/L	7.81	26.9	RL-7124
Strontium-90	U	-0.158	pCi/L	0.0283	6.11	RL-7145
Technetium-99	U	9.34	pCi/L	10.6	14.8	RL-7100
Thorium-234	U	28.7	pCi/L	57.4	300	RL-7124
Tritium	U	4.71	pCi/L	156	260	704R6
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	UX	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	JU	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	JU	0.005	mg/L		0.005	SW846-8260
Methylene chloride	JU	0.005	mg/L		0.005	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene		0.003	mg/L		0.001	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L		0.005	SW846-8260
Vinyl acetate	JU	0.01	mg/L		0.01	SW846-8260

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## MW369

### UG03-03

### C-746 U QUARTERLY - APRIL UG03-03

Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	35 mg/L	35	EPA-410.4 1978
Cyanide	JU	0.02 mg/L	0.02	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		4 mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.0931 mg/L	0.01	SW846-9020A

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MW370

UG03-03

C-746 U QUARTERLY - APRIL UG03-03

MW370UG3-03

Collected: 4/3/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		53.6	mg/L		5	SW846-9056
Fluoride		0.21	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		18.1	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.88	Inches/Hg			
Conductivity		466	umho/cm			
Depth to Water		38.26	ft			
Dissolved Oxygen		1.45	mg/L			
pH		6.5	Std Unit			
Redox		49	mV			
Temperature		63.5	deg F			
Turbidity		15.8	NTU			
<b>METAL</b>						
Aluminum	NU	0.2	mg/L		0.2	SW846-6020
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Barium		0.237	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	BU	0.2	mg/L		0.2	SW846-6020
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium	NW	32.4	mg/L		10	SW846-6020
Chromium	U	0.02	mg/L		0.02	SW846-6020
Cobalt	X	0.00931	mg/L		0.001	SW846-6020
Copper	U	0.02	mg/L		0.02	SW846-6020
Iron		4.64	mg/L		0.2	SW846-6020
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		12.3	mg/L		2	SW846-6020
Manganese		0.637	mg/L		0.05	SW846-6020
Mercury	UW	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	U	0.005	mg/L		0.005	SW846-6020
Potassium		2.43	mg/L		0.2	SW846-6020
Rhodium	U	0.005	mg/L		0.005	SW846-6020
Selenium	UX	0.005	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium	JNW	41.9	mg/L		10	SW846-6020
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.01	mg/L		0.01	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.035	mg/L		0.035	SW846-6020
<b>METAL-D</b>						
Barium, Dissolved		0.231	mg/L		0.005	SW846-6020
<b>PHYSC</b>						
Dissolved Solids		238	mg/L		50	EPA-160.1
<b>RADS</b>						
Alpha activity	U	0.531	pCi/L	0.375	4.43	EPA-900.0
Beta activity		8.65	pCi/L	1.67	5.71	EPA-900.0

## MW370

## UG03-03

## C-746 U QUARTERLY - APRIL UG03-03

Iodine-131	U	10.6	pCi/L	21.2	28.5	RL-7124
Strontium-90	U	4.31	pCi/L	0.639	6.11	RL-7145
Technetium-99	U	5.11	pCi/L	10.4	14.8	RL-7100
Thorium-234	U	67.8	pCi/L	136	300	RL-7124
Tritium	U	-68.3	pCi/L	154	260	704R6
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	UX	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	JU	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	JU	0.005	mg/L		0.005	SW846-8260
Methylene chloride	JU	0.005	mg/L		0.005	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene		0.018	mg/L		0.001	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L		0.005	SW846-8260
Vinyl acetate	JU	0.01	mg/L		0.01	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260

**MW370**

**UG03-03**

**C-746 U QUARTERLY - APRIL UG03-03**

**WETCHEM**

Chemical Oxygen Demand (COD)	U	35 mg/L	35	EPA-410.4 1978
Cyanide	U	0.02 mg/L	0.02	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		1.2 mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.0266 mg/L	0.01	SW846-9020A

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MW371

UG03-03

C-746 U QUARTERLY - APRIL UG03-03

MW371UG3-03

Collected: 4/3/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		8.8	mg/L		2	SW846-9056
Fluoride		0.3	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate	U	5	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.88	Inches/Hg			
Conductivity		749	umho/cm			
Depth to Water		22.35	ft			
Dissolved Oxygen		1.5	mg/L			
pH		6.9	Std Unit			
Redox		-19	mV			
Temperature		63.8	deg F			
Turbidity		9.8	NTU			
<b>METAL</b>						
Aluminum	NU	0.2	mg/L		0.2	SW846-6020
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Barium		0.116	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	BU	0.2	mg/L		0.2	SW846-6020
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium	NW	30.3	mg/L		10	SW846-6020
Chromium	U	0.02	mg/L		0.02	SW846-6020
Cobalt	UX	0.001	mg/L		0.001	SW846-6020
Copper	U	0.02	mg/L		0.02	SW846-6020
Iron		3.18	mg/L		0.2	SW846-6020
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		11.9	mg/L		2	SW846-6020
Manganese		0.0551	mg/L		0.005	SW846-6020
Mercury	UW	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	U	0.005	mg/L		0.005	SW846-6020
Potassium		0.368	mg/L		0.2	SW846-6020
Rhodium	U	0.005	mg/L		0.005	SW846-6020
Selenium	UX	0.005	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium	JNW	144	mg/L		10	SW846-6020
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	U	0.01	mg/L		0.01	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.035	mg/L		0.035	SW846-6020
<b>METAL-D</b>						
Barium, Dissolved		0.0985	mg/L		0.005	SW846-6020
<b>PHYSC</b>						
Dissolved Solids		444	mg/L		50	EPA-160.1
<b>RADS</b>						
Alpha activity	U	4.23	pCi/L	2.35	7.56	EPA-900.0
Beta activity	U	4.87	pCi/L	1.11	7.07	EPA-900.0

## MW371

## UG03-03

## C-746 U QUARTERLY - APRIL UG03-03

Iodine-131	U	-6.33	pCi/L	12.7	27	RL-7124
Strontium-90	U	0.544	pCi/L	0.094	6.11	RL-7145
Technetium-99	U	4.94	pCi/L	10.4	14.8	RL-7100
Thorium-234	U	23.1	pCi/L	46.1	297	RL-7124
Tritium	U	-148	pCi/L	153	260	704R6
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	UX	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	JU	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	JU	0.005	mg/L		0.005	SW846-8260
Methylene chloride	JU	0.005	mg/L		0.005	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene	U	0.001	mg/L		0.001	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L		0.005	SW846-8260
Vinyl acetate	JU	0.01	mg/L		0.01	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260



**MW371**

**UG03-03**

**C-746 U QUARTERLY - APRIL UG03-03**

**WETCHEM**

Chemical Oxygen Demand (COD)	U	35 mg/L	35	EPA-410.4 1978
Cyanide	JU	0.02 mg/L	0.02	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		5.3 mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.104 mg/L	0.01	SW846-9020A

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**MW369**

**UG03-04**

## C-746 U QUARTERLY - JULY UG03-04

**MW369UG4-03**

Collected: 7/8/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		55.9	mg/L		5	SW846-9056
Fluoride		0.26	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		10.9	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		30.03	Inches/Hg			
Conductivity		478	umho/cm			
Depth to Water		30.03	ft			
Dissolved Oxygen		1.19	mg/L			
pH		6.5	Std Unit			
Redox		-67	mV			
Temperature		67.7	deg F			
Turbidity		27.1	NTU			
<b>METAL</b>						
Aluminum	NU	0.2	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic	X	0.0134	mg/L		0.01	SW846-6020
Barium	N	0.217	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	BNU	0.2	mg/L		0.2	SW846-6010A
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium	JN	22.9	mg/L		1	SW846-6010A
Chromium	U	0.02	mg/L		0.02	SW846-6020
Cobalt	X	0.0541	mg/L		0.001	SW846-6020
Copper	U	0.02	mg/L		0.02	SW846-6020
Iron		11.3	mg/L		0.2	SW846-6010A
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium	N	10.3	mg/L		0.2	SW846-6010A
Manganese	BN	0.321	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	NX	0.013	mg/L		0.005	SW846-6020
Potassium		1.62	mg/L		0.4	SW846-6010A
Rhodium	BU	0.005	mg/L		0.005	SW846-6020
Selenium	U	0.005	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium	N	45.6	mg/L		1.5	SW846-6010A
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	BU	0.01	mg/L		0.01	SW846-6020
Uranium	UX	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.02	mg/L		0.02	SW846-6020
<b>METAL-D</b>						
Barium, Dissolved		0.212	mg/L		0.005	SW846-6020
<b>PHYSC</b>						
Dissolved Solids		295	mg/L		48	EPA-160.1
<b>PCCB</b>						
PCB-1016	U	0.00017	mg/L		0.0002	SW846-8082

## MW369

## UG03-04

## C-746 U QUARTERLY - JULY UG03-04

PCB-1221	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1232	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1242		0.00115	mg/L	0.0001	SW846-8082
PCB-1248	U	0.00015	mg/L	0.0002	SW846-8082
PCB-1254	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1260	U	0.00009	mg/L	9E-05	SW846-8082
PCB-1268	U	0.0001	mg/L	0.0001	SW846-8082
Polychlorinated biphenyl		0.00115	mg/L	0.0002	SW846-8082
<b>RADS</b>					
Alpha activity	U	3.07	pCi/L	2.05	6.82 EPA-900.0
Beta activity		9.1	pCi/L	1.8	6.24 EPA-900.0
Iodine-131	U	1.55	pCi/L	3.1	20.4 RL-7124
Strontium-90	U	3.05	pCi/L	0.475	6.53 RL-7145
Technetium-99		17.5	pCi/L	12.5	17.3 RL-7100
Thorium-234	U	-74.6	pCi/L	149	320 RL-7124
Tritium	U	2.03	pCi/L	168	280 704R6
<b>SVOA</b>					
1,2-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
<b>VOA</b>					
1,1,1,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.0002	mg/L	0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	0.005	SW846-8260
2-Butanone	U	0.01	mg/L	0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	JU	0.01	mg/L	0.01	SW846-8260
Acetone	U	0.01	mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L	0.01	SW846-8260
Benzene	U	0.005	mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromoform	U	0.005	mg/L	0.005	SW846-8260
Bromomethane	U	0.005	mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L	0.005	SW846-8260
Chloroethane	U	0.005	mg/L	0.005	SW846-8260
Chloromethane	U	0.005	mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Dibromomethane	U	0.005	mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	0.005	SW846-8260
Ethanol	U	0.25	mg/L	0.25	SW846-8015
Ethyl methacrylate	U	0.005	mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L	0.005	SW846-8260
Iodomethane	U	0.005	mg/L	0.005	SW846-8260
Methylene chloride	JU	0.005	mg/L	0.005	SW846-8260

**MW369****UG03-04****C-746 U QUARTERLY - JULY UG03-04**

Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	JU	0.005 mg/L	0.005	SW846-8260
Trichloroethene		0.003 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	35 mg/L	35	EPA-410.4 1978
Cyanide	UX	0.02 mg/L	0.02	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		4.9 mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.0175 mg/L	0.01	SW846-9020A

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MW370

UG03-04

C-746 U QUARTERLY - JULY UG03-04

MW370UG4-03

Collected: 7/9/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		51.9	mg/L		10	SW846-9056
Fluoride		0.24	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		9.6	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.94	Inches/Hg			
Conductivity		479	umho/cm			
Depth to Water		35.92	ft			
Dissolved Oxygen		1.22	mg/L			
pH		6.3	Std Unit			
Redox		-35	mV			
Temperature		65.9	deg F			
Turbidity		4.1	NTU			
<b>METAL</b>						
Aluminum	NU	0.2	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic	X	0.0146	mg/L		0.01	SW846-6020
Barium	N	0.323	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	BNU	0.2	mg/L		0.2	SW846-6010A
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium	JN	22.9	mg/L		1	SW846-6010A
Chromium	U	0.02	mg/L		0.02	SW846-6020
Cobalt	NX	0.137	mg/L		0.01	SW846-6020
Copper	U	0.02	mg/L		0.02	SW846-6020
Iron		15.8	mg/L		0.2	SW846-6010A
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium	N	10	mg/L		0.2	SW846-6010A
Manganese	N	2.51	mg/L		0.05	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	NX	0.0264	mg/L		0.005	SW846-6020
Potassium		2.44	mg/L		0.4	SW846-6010A
Rhodium	BU	0.005	mg/L		0.005	SW846-6020
Selenium	U	0.005	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium	N	40	mg/L		1.5	SW846-6010A
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	BU	0.01	mg/L		0.01	SW846-6020
Uranium	UX	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.02	mg/L		0.02	SW846-6020
<b>METAL-D</b>						
Barium, Dissolved		0.291	mg/L		0.005	SW846-6020
<b>PHYSC</b>						
Dissolved Solids		248	mg/L		50	EPA-160.1
<b>PCCB</b>						
PCB-1016	U	0.00017	mg/L		0.0002	SW846-8082

## MW370

## UG03-04

## C-746 U QUARTERLY - JULY UG03-04

PCB-1221	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1232	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1242	U	0.00013	mg/L	0.0001	SW846-8082
PCB-1248	U	0.00015	mg/L	0.0002	SW846-8082
PCB-1254	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1260	U	0.00009	mg/L	9E-05	SW846-8082
PCB-1268	U	0.0001	mg/L	0.0001	SW846-8082
Polychlorinated biphenyl	U	0.00017	mg/L	0.0002	SW846-8082

## RADS

Alpha activity		6.93	pCi/L	3.36	5.53	EPA-900.0
Beta activity	U	3.66	pCi/L	0.864	5.94	EPA-900.0
Iodine-131	U	-1.76	pCi/L	3.52	22.4	RL-7124
Strontium-90	U	2.59	pCi/L	0.409	6.53	RL-7145
Technetium-99	DU	4.25	pCi/L	11.4	16.2	RL-7100
Thorium-234	U	122	pCi/L	245	338	RL-7124
Tritium	U	-46.7	pCi/L	167	280	704R6

## SVOA

1,2-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260

## VOA

1,1,1,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.0002	mg/L	0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	0.005	SW846-8260
2-Butanone	U	0.01	mg/L	0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L	0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	JU	0.01	mg/L	0.01	SW846-8260
Acetone	U	0.01	mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L	0.01	SW846-8260
Benzene	U	0.005	mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromoform	U	0.005	mg/L	0.005	SW846-8260
Bromomethane	U	0.005	mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L	0.005	SW846-8260
Chloroethane	U	0.005	mg/L	0.005	SW846-8260
Chloromethane	U	0.005	mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Dibromomethane	U	0.005	mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	0.005	SW846-8260
Ethanol	U	0.25	mg/L	0.25	SW846-8015
Ethyl methacrylate	JU	0.005	mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L	0.005	SW846-8260
Iodomethane	U	0.005	mg/L	0.005	SW846-8260

**MW370****UG03-04****C-746 U QUARTERLY - JULY UG03-04**

Methylene chloride	JU	0.005 mg/L	0.005	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	JU	0.005 mg/L	0.005	SW846-8260
Trichloroethene		0.015 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	35 mg/L	35	EPA-410.4 1978
Cyanide	UX	0.02 mg/L	0.02	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		2.6 mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.0164 mg/L	0.01	SW846-9020A

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MW371

UG03-04

C-746 U QUARTERLY - JULY UG03-04

MW371UG4-03

Collected: 7/9/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		8.1	mg/L		2	SW846-9056
Fluoride		0.3	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate	U	5	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.94	Inches/Hg			
Conductivity		734	umho/cm			
Depth to Water		21.2	ft			
Dissolved Oxygen		1.66	mg/L			
pH		6.7	Std Unit			
Redox		114	mV			
Temperature		66.6	deg F			
Turbidity		6.3	NTU			
<b>METAL</b>						
Aluminum	NU	0.2	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Barium	N	0.11	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	BNU	0.2	mg/L		0.2	SW846-6010A
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium	JN	25.9	mg/L		1	SW846-6010A
Chromium	U	0.02	mg/L		0.02	SW846-6020
Cobalt	UX	0.001	mg/L		0.001	SW846-6020
Copper	U	0.02	mg/L		0.02	SW846-6020
Iron		0.484	mg/L		0.2	SW846-6010A
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium	N	10.8	mg/L		0.2	SW846-6010A
Manganese	BN	0.0546	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	B	0.00111	mg/L		0.001	SW846-6020
Nickel	NUX	0.005	mg/L		0.005	SW846-6020
Potassium		0.587	mg/L		0.4	SW846-6010A
Rhodium	BU	0.005	mg/L		0.005	SW846-6020
Selenium	U	0.005	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium	N	126	mg/L		1.5	SW846-6010A
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	BU	0.01	mg/L		0.01	SW846-6020
Uranium	X	0.00109	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc		0.0376	mg/L		0.02	SW846-6020
<b>METAL-D</b>						
Barium, Dissolved		0.105	mg/L		0.005	SW846-6020
Uranium, Dissolved	BJU	0.001	mg/L		0.001	SW846-6020
<b>PHYSC</b>						
Dissolved Solids		445	mg/L		50	EPA-160.1
<b>PCCB</b>						
PCB-1016	U	0.00017	mg/L		0.0002	SW846-8082



## MW371

## UG03-04

## C-746 U QUARTERLY - JULY UG03-04

PCB-1221	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1232	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1242	U	0.00013	mg/L	0.0001	SW846-8082
PCB-1248	U	0.00015	mg/L	0.0002	SW846-8082
PCB-1254	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1260	U	0.00009	mg/L	9E-05	SW846-8082
PCB-1268	U	0.0001	mg/L	0.0001	SW846-8082
Polychlorinated biphenyl	U	0.00017	mg/L	0.0002	SW846-8082

## RADS

Alpha activity		8.5	pCi/L	4.39	8.18	EPA-900.0
Beta activity		6.61	pCi/L	1.43	6.55	EPA-900.0
Iodine-131	U	-0.955	pCi/L	1.91	22.1	RL-7124
Strontium-90	U	0.389	pCi/L	0.0678	6.53	RL-7145
Technetium-99	DU	0	pCi/L	0	16.2	RL-7100
Thorium-234	U	307	pCi/L	613	337	RL-7124
Tritium	U	-24.4	pCi/L	167	280	704R6

## SVOA

1,2-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260

## VOA

1,1,1,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.0002	mg/L	0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	0.005	SW846-8260
2-Butanone	U	0.01	mg/L	0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L	0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	JU	0.01	mg/L	0.01	SW846-8260
Acetone	U	0.01	mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L	0.01	SW846-8260
Benzene	U	0.005	mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromoform	U	0.005	mg/L	0.005	SW846-8260
Bromomethane	U	0.005	mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L	0.005	SW846-8260
Chloroethane	U	0.005	mg/L	0.005	SW846-8260
Chloromethane	U	0.005	mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Dibromomethane	U	0.005	mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	0.005	SW846-8260
Ethanol	U	0.25	mg/L	0.25	SW846-8015
Ethyl methacrylate	JU	0.005	mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L	0.005	SW846-8260
Iodomethane	U	0.005	mg/L	0.005	SW846-8260

**MW371****UG03-04****C-746 U QUARTERLY - JULY UG03-04**

Methylene chloride	JU	0.005 mg/L	0.005	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	JU	0.005 mg/L	0.005	SW846-8260
Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	35 mg/L	35	EPA-410.4 1978
Cyanide	UX	0.02 mg/L	0.02	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		2.9 mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.0342 mg/L	0.01	SW846-9020A

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**MW369**

**UG03-05**

## C-746 U QUARTERLY - Radium - OCTOBER UG03-05

**MW369UG1-02**

Collected: 10/8/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.83	Inches/Hg			
Conductivity		403	umho/cm			
Depth to Water		40.27	ft			
Dissolved Oxygen		1.09	mg/L			
pH		6.5	Std Unit			
Temperature		61.7	deg F			
<b>RADS</b>						
Radium-226	U	0.167	pCi/L	0.117	0.757	RL-7113

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**MW370**

**UG03-05**

## C-746 U QUARTERLY - Radium - OCTOBER UG03-05

**MW370UG1-02**

Collected: 10/8/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.83	Inches/Hg			
Conductivity		441	umho/cm			
Depth to Water		41.14	ft			
Dissolved Oxygen		0.94	mg/L			
pH		6.3	Std Unit			
Temperature		63.1	deg F			
<b>RADS</b>						
Radium-226	U	-0.825	pCi/L	0	0.757	RL-7113

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**MW371**

**UG03-05**

## C-746 U QUARTERLY - Radium - OCTOBER UG03-05

**MW371UG1-02**

Collected: 10/8/2002

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.83	Inches/Hg			
Conductivity		631	umho/cm			
Depth to Water		24.49	ft			
Dissolved Oxygen		0.74	mg/L			
pH		6.6	Std Unit			
Temperature		62.3	deg F			
<b>RADS</b>						
Radium-226	U	0.0937	pCi/L	0.114	0.757	RL-7113

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MW369

UG03-06

C-746 U QUARTERLY - Radium - JANUARY UG03-06

MW369UG2-03

Collected: 1/8/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.68	Inches/Hg			
Conductivity		520	umho/cm			
Depth to Water		40.56	ft			
Dissolved Oxygen		2.69	mg/L			
pH		6.5	Std Unit			
Redox		-5	mV			
Temperature		58.4	deg F			
<b>RADS</b>						
Radium-226	U	0.173	pCi/L	0.104	0.665	RL-7113

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**MW370**

**UG03-06**

## C-746 U QUARTERLY - Radium - JANUARY UG03-06

**MW370UG2-03**

Collected: 1/8/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.68	Inches/Hg			
Conductivity		486	umho/cm			
Depth to Water		41.43	ft			
Dissolved Oxygen		3.08	mg/L			
pH		6.4	Std Unit			
Temperature		59.5	deg F			
<b>RADS</b>						
Radium-226	U	0.415	pCi/L	0.113	0.665	RL-7113

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MW371

UG03-06

C-746 U QUARTERLY - Radium - JANUARY UG03-06

MW371UG2-03

Collected: 1/8/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.68	Inches/Hg			
Conductivity		680	umho/cm			
Depth to Water		24.21	ft			
Dissolved Oxygen		2.62	mg/L			
pH		6.6	Std Unit			
Temperature		59.8	deg F			
<b>RADS</b>						
Radium-226	U	0.378	pCi/L	0.111	0.665	RL-7113



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**MW369**

**UG03-07**

## C-746 U QUARTERLY - Radium - APRIL UG03-07

**MW369UG3-03**

Collected: 4/3/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.88	Inches/Hg			
Conductivity		487	umho/cm			
Depth to Water		37.39	ft			
Dissolved Oxygen		2.04	mg/L			
pH		6.6	Std Unit			
Redox		-18	mV			
Temperature		62.4	deg F			
Turbidity		4.5	NTU			
<b>RADS</b>						
Radium	U	0.155	pCi/L	0.118	0.759	RL-7113

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**MW370**

**UG03-07**

## C-746 U QUARTERLY - Radium - APRIL UG03-07

**MW370UG3-03**

Collected: 4/3/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.88	Inches/Hg			
Conductivity		466	umho/cm			
Depth to Water		38.26	ft			
Dissolved Oxygen		1.45	mg/L			
pH		6.5	Std Unit			
Redox		49	mV			
Temperature		63.5	deg F			
Turbidity		15.8	NTU			
<b>RADS</b>						
Radium	U	-0.751	pCi/L	0	0.759	RL-7113

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**MW371**

**UG03-07**

## C-746 U QUARTERLY - Radium - APRIL UG03-07

**MW371UG3-03**

Collected: 4/3/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.88	Inches/Hg			
Conductivity		749	umho/cm			
Depth to Water		22.35	ft			
Dissolved Oxygen		1.5	mg/L			
pH		6.9	Std Unit			
Redox		-19	mV			
Temperature		63.8	deg F			
Turbidity		9.8	NTU			
<b>RADS</b>						
Radium	U	-0.494	pCi/L	0	0.759	RL-7113

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**MW369**

**UG03-08**

## C-746 U QUARTERLY - Radium - JULY UG03-08

**MW369UG4-03**

Collected: 7/8/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		30.03	Inches/Hg			
Conductivity		478	umho/cm			
Depth to Water		30.03	ft			
Dissolved Oxygen		1.19	mg/L			
pH		6.5	Std Unit			
Redox		-67	mV			
Temperature		67.7	deg F			
Turbidity		27.1	NTU			
<b>RADS</b>						
Radium	UX	0.074	pCi/L	0.119	0.781	RL-7113

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**MW370**

**UG03-08**

## C-746 U QUARTERLY - Radium - JULY UG03-08

**MW370UG4-03**

Collected: 7/9/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.94	Inches/Hg			
Conductivity		479	umho/cm			
Depth to Water		35.92	ft			
Dissolved Oxygen		1.22	mg/L			
pH		6.3	Std Unit			
Redox		-35	mV			
Temperature		65.9	deg F			
Turbidity		4.1	NTU			
<b>RADS</b>						
Radium	UX	0.289	pCi/L	0.121	0.741	RL-7113

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**MW371**

**UG03-08**

## C-746 U QUARTERLY - Radium - JULY UG03-08

**MW371UG4-03**

Collected: 7/9/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.94	Inches/Hg			
Conductivity		734	umho/cm			
Depth to Water		21.2	ft			
Dissolved Oxygen		1.66	mg/L			
pH		6.7	Std Unit			
Redox		114	mV			
Temperature		66.6	deg F			
Turbidity		6.3	NTU			
<b>RADS</b>						
Radium	UX	0.722	pCi/L	0.134	0.741	RL-7113

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**MW369**

**UG04-01**

## C-746-U QUARTERLY - OCTOBER UG04-01

**MW369UG1-04**

Collected: 10/6/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		47.4	mg/L		2	SW846-9056
Fluoride		0.19	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		16.3	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		30	Inches/Hg			
Conductivity		476	umho/cm			
Depth to Water		39.2	ft			
Dissolved Oxygen		1.78	mg/L			
pH		6.5	Std Unit			
Redox		-1	mV			
Temperature		65.9	deg F			
Turbidity		39.8	NTU			
<b>METAL</b>						
Aluminum	N	0.689	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic		0.013	mg/L		0.01	SW846-6020
Barium	N	0.298	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6010A
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		21.7	mg/L		1	SW846-6010A
Chromium	U	0.02	mg/L		0.02	SW846-6020
Cobalt		0.0689	mg/L		0.001	SW846-6020
Copper	NU	0.02	mg/L		0.02	SW846-6020
Iron		14.9	mg/L		0.1	SW846-6010A
Lead	NU	0.005	mg/L		0.005	SW846-6020
Magnesium		9.14	mg/L		0.025	SW846-6010A
Manganese	N	0.714	mg/L		0.05	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel		0.0104	mg/L		0.005	SW846-6020
Potassium		1.14	mg/L		0.2	SW846-6010A
Rhodium	BU	0.005	mg/L		0.005	SW846-6020
Selenium	U	0.005	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium	N	59.1	mg/L		2	SW846-6010A
Tantalum	*U	0.005	mg/L		0.005	SW846-6020
Thallium	BU	0.002	mg/L		0.002	SW846-6020
Uranium	BU	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	NU	0.02	mg/L		0.02	SW846-6020
<b>METAL-D</b>						
Barium, Dissolved		0.269	mg/L		0.005	SW846-6020
<b>PHYSC</b>						
Dissolved Solids	X	276	mg/L		43	EPA-160.1
<b>PCCB</b>						
PCB-1016		0.00061	mg/L		0.0002	SW846-8082

## MW369

## UG04-01

## C-746-U QUARTERLY - OCTOBER UG04-01

PCB-1221	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1232	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1242	U	0.00009	mg/L	9E-05	SW846-8082
PCB-1248	U	0.00012	mg/L	0.0001	SW846-8082
PCB-1254	U	0.0001	mg/L	0.0001	SW846-8082
PCB-1260	U	0.00008	mg/L	8E-05	SW846-8082
PCB-1268	U	0.00011	mg/L	0.0001	SW846-8082
Polychlorinated biphenyl		0.00061	mg/L	0.0002	SW846-8082
<b>RADS</b>					
Alpha activity	U	-1.32	pCi/L	0.932	8.44 EPA-900.0
Beta activity		7.31	pCi/L	1.45	6.29 EPA-900.0
Iodine-131	U	-1.87	pCi/L	3.73	7.63 RL-7124
Strontium-90	U	-3.51	pCi/L	0.695	7.53 RL-7145
Technetium-99	U	17	pCi/L	12.4	17.2 RL-7100
Thorium-234	U	-8.41	pCi/L	16.8	43.8 RL-7124
Tritium	U	-45.4	pCi/L	171	288 704R6
<b>SVOA</b>					
1,2-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
<b>VOA</b>					
1,1,1,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2,3-Trichloropropane	JU	0.005	mg/L	0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JU	0.0002	mg/L	0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	0.005	SW846-8260
2-Butanone	JU	0.01	mg/L	0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	JU	0.01	mg/L	0.01	SW846-8260
Acetone	E	5.8	mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L	0.01	SW846-8260
Benzene	U	0.005	mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromoform	U	0.005	mg/L	0.005	SW846-8260
Bromomethane	U	0.005	mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L	0.005	SW846-8260
Chloroethane	U	0.005	mg/L	0.005	SW846-8260
Chloromethane	U	0.005	mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Dibromomethane	U	0.005	mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	0.005	SW846-8260
Ethanol	U	0.25	mg/L	0.25	SW846-8015
Ethyl methacrylate	JU	0.005	mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L	0.005	SW846-8260
Iodomethane	JU	0.005	mg/L	0.005	SW846-8260
Methylene chloride	U	0.005	mg/L	0.005	SW846-8260



**MW369****UG04-01****C-746-U QUARTERLY - OCTOBER UG04-01**

Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	JU	0.005 mg/L	0.005	SW846-8260
Trichloroethene		0.002 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	35 mg/L	35	EPA-410.4 1978
Cyanide	UX	0.02 mg/L	0.02	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		2.4 mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.0375 mg/L	0.01	SW846-9020A

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**MW370**

**UG04-01**

**C-746-U QUARTERLY - OCTOBER UG04-01**

**MW370UG1-04**

Collected: 10/6/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		53	mg/L		5	SW846-9056
Fluoride		0.17	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		16.5	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		30	Inches/Hg			
Conductivity		435	umho/cm			
Depth to Water		40.03	ft			
Dissolved Oxygen		1.07	mg/L			
pH		6.5	Std Unit			
Redox		40	mV			
Temperature		64.6	deg F			
Turbidity		9.5	NTU			
<b>METAL</b>						
Aluminum	BNU	0.2	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Barium	N	0.271	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6010A
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		28	mg/L		1	SW846-6010A
Chromium	U	0.02	mg/L		0.02	SW846-6020
Cobalt		0.0463	mg/L		0.001	SW846-6020
Copper	NU	0.02	mg/L		0.02	SW846-6020
Iron		6.49	mg/L		0.1	SW846-6010A
Lead	NU	0.005	mg/L		0.005	SW846-6020
Magnesium		12.1	mg/L		0.025	SW846-6010A
Manganese	N	1.05	mg/L		0.05	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel		0.00971	mg/L		0.005	SW846-6020
Potassium		2.48	mg/L		0.2	SW846-6010A
Rhodium	BU	0.005	mg/L		0.005	SW846-6020
Selenium	U	0.005	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium	N	38.1	mg/L		2	SW846-6010A
Tantalum	*U	0.005	mg/L		0.005	SW846-6020
Thallium	BU	0.002	mg/L		0.002	SW846-6020
Uranium	BU	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	NU	0.02	mg/L		0.02	SW846-6020
<b>METAL-D</b>						
Barium, Dissolved		0.264	mg/L		0.005	SW846-6020
<b>PHYSC</b>						
Dissolved Solids	X	224	mg/L		30	EPA-160.1
<b>PCCB</b>						
PCB-1016		0.00019	mg/L		0.0002	SW846-8082
PCB-1221	U	0.00017	mg/L		0.0002	SW846-8082

**MW370**

**UG04-01**

**C-746-U QUARTERLY - OCTOBER UG04-01**

PCB-1232	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1242	U	0.00009	mg/L	9E-05	SW846-8082
PCB-1248	U	0.00012	mg/L	0.0001	SW846-8082
PCB-1254	U	0.0001	mg/L	0.0001	SW846-8082
PCB-1260	U	0.00008	mg/L	8E-05	SW846-8082
PCB-1268	U	0.00011	mg/L	0.0001	SW846-8082
Polychlorinated biphenyl		0.00019	mg/L	0.0002	SW846-8082
<b>RADS</b>					
Alpha activity	U	-0.0955	pCi/L	0.0604	7.74 EPA-900.0
Beta activity	U	5.38	pCi/L	1.13	6.18 EPA-900.0
Iodine-131	U	3.26	pCi/L	6.52	8.52 RL-7124
Strontium-90	U	-1.63	pCi/L	0.298	7.53 RL-7145
Technetium-99	U	6.54	pCi/L	11.9	17.2 RL-7100
Thorium-234	U	9.98	pCi/L	20	46 RL-7124
Tritium	U	49.5	pCi/L	173	288 704R6
<b>SVOA</b>					
1,2-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
<b>VOA</b>					
1,1,1,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2,3-Trichloropropane	JU	0.005	mg/L	0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JU	0.0002	mg/L	0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	0.005	SW846-8260
2-Butanone	JU	0.01	mg/L	0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	JU	0.01	mg/L	0.01	SW846-8260
Acetone	U	0.01	mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L	0.01	SW846-8260
Benzene	U	0.005	mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromoform	U	0.005	mg/L	0.005	SW846-8260
Bromomethane	U	0.005	mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L	0.005	SW846-8260
Chloroethane	U	0.005	mg/L	0.005	SW846-8260
Chloromethane	U	0.005	mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Dibromomethane	U	0.005	mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	0.005	SW846-8260
Ethyl methacrylate	JU	0.005	mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L	0.005	SW846-8260
Iodomethane	JU	0.005	mg/L	0.005	SW846-8260
Methylene chloride	U	0.005	mg/L	0.005	SW846-8260
Styrene	U	0.005	mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L	0.005	SW846-8260

**MW370****UG04-01****C-746-U QUARTERLY - OCTOBER UG04-01**

Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	JU	0.005 mg/L	0.005	SW846-8260
Trichloroethene		0.016 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	35 mg/L	35	EPA-410.4 1978
Cyanide	UX	0.02 mg/L	0.02	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		1.7 mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.0311 mg/L	0.01	SW846-9020A

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MW371

UG04-01

C-746-U QUARTERLY - OCTOBER UG04-01

MW371UG1-04

Collected: 10/6/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		8.6	mg/L		2	SW846-9056
Fluoride		0.28	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate	U	5	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		30	Inches/Hg			
Conductivity		753	umho/cm			
Depth to Water		22.45	ft			
Dissolved Oxygen		1.28	mg/L			
pH		7	Std Unit			
Redox		-22	mV			
Temperature		65.1	deg F			
Turbidity		5.5	NTU			
<b>METAL</b>						
Aluminum	BNU	0.2	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Barium	N	0.132	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6010A
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium		27	mg/L		1	SW846-6010A
Chromium	U	0.02	mg/L		0.02	SW846-6020
Cobalt	U	0.001	mg/L		0.001	SW846-6020
Copper	NU	0.02	mg/L		0.02	SW846-6020
Iron	B	2.72	mg/L		0.1	SW846-6010A
Lead	NU	0.005	mg/L		0.005	SW846-6020
Magnesium		10.9	mg/L		0.025	SW846-6010A
Manganese	N	0.0543	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	U	0.005	mg/L		0.005	SW846-6020
Potassium		0.382	mg/L		0.2	SW846-6010A
Rhodium	BU	0.005	mg/L		0.005	SW846-6020
Selenium	U	0.005	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium	N	120	mg/L		2	SW846-6010A
Tantalum	*U	0.005	mg/L		0.005	SW846-6020
Thallium	BU	0.002	mg/L		0.002	SW846-6020
Uranium	BU	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	NU	0.02	mg/L		0.02	SW846-6020
<b>METAL-D</b>						
Barium, Dissolved		0.131	mg/L		0.005	SW846-6020
<b>PHYSC</b>						
Dissolved Solids	X	438	mg/L		40	EPA-160.1
<b>PCCB</b>						
PCB-1016	U	0.00017	mg/L		0.0002	SW846-8082
PCB-1221	U	0.00017	mg/L		0.0002	SW846-8082

## MW371

## UG04-01

## C-746-U QUARTERLY - OCTOBER UG04-01

PCB-1232	U	0.00017	mg/L	0.0002	SW846-8082
PCB-1242	U	0.00009	mg/L	9E-05	SW846-8082
PCB-1248	U	0.00012	mg/L	0.0001	SW846-8082
PCB-1254	U	0.0001	mg/L	0.0001	SW846-8082
PCB-1260	U	0.00008	mg/L	8E-05	SW846-8082
PCB-1268	U	0.00011	mg/L	0.0001	SW846-8082
Polychlorinated biphenyl	U	0.00017	mg/L	0.0002	SW846-8082
<b>RADS</b>					
Alpha activity	U	0.343	pCi/L	0.217	10.2 EPA-900.0
Beta activity	U	2.08	pCi/L	0.501	6.57 EPA-900.0
Iodine-131	U	4.65	pCi/L	9.31	9.25 RL-7124
Strontium-90	U	-0.403	pCi/L	0.0702	7.53 RL-7145
Technetium-99	U	11.8	pCi/L	12.2	17.2 RL-7100
Thorium-234	U	-16.4	pCi/L	32.8	43.5 RL-7124
Tritium	U	88.7	pCi/L	174	288 704R6
<b>SVOA</b>					
1,2-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L	0.005	SW846-8260
<b>VOA</b>					
1,1,1,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2,3-Trichloropropane	JU	0.005	mg/L	0.005	SW846-8260
1,2-Dibromo-3-chloropropane	JU	0.0002	mg/L	0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	0.005	SW846-8260
2-Butanone	JU	0.01	mg/L	0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	JU	0.01	mg/L	0.01	SW846-8260
Acetone	U	0.01	mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L	0.01	SW846-8260
Benzene	U	0.005	mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromoform	U	0.005	mg/L	0.005	SW846-8260
Bromomethane	U	0.005	mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L	0.005	SW846-8260
Chloroethane	U	0.005	mg/L	0.005	SW846-8260
Chloromethane	U	0.005	mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Dibromomethane	U	0.005	mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	0.005	SW846-8260
Ethanol	UY	0.25	mg/L	0.25	SW846-8015
Ethyl methacrylate	JU	0.005	mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L	0.005	SW846-8260
Iodomethane	JU	0.005	mg/L	0.005	SW846-8260
Methylene chloride	U	0.005	mg/L	0.005	SW846-8260
Styrene	U	0.005	mg/L	0.005	SW846-8260

**MW371****UG04-01****C-746-U QUARTERLY - OCTOBER UG04-01**

Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.015 mg/L	0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	JU	0.005 mg/L	0.005	SW846-8260
Trichloroethene	U	0.001 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	35 mg/L	35	EPA-410.4 1978
Cyanide	UX	0.02 mg/L	0.02	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		3.2 mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.0461 mg/L	0.01	SW846-9020A

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MW369

UG04-02

C-746 U QUARTERLY - JANUARY UG04-02

MW369UG2-04

Collected: 1/7/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		45.5	mg/L		2	SW846-9056
Fluoride		0.24	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		15.6	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		30.53	Inches/Hg			
Conductivity		450	umho/cm			
Depth to Water		40.73	ft			
Dissolved Oxygen		1.54	mg/L			
pH		6.6	Std Unit			
Redox		55	mV			
Temperature		53.8	deg F			
Turbidity		25.1	NTU			
<b>METAL</b>						
Aluminum	N	0.927	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Barium		0.353	mg/L		0.005	SW846-6020
Beryllium	BU	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6010A
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium	J	22.7	mg/L		1	SW846-6010A
Chromium	U	0.02	mg/L		0.02	SW846-6020
Cobalt	BX	0.0794	mg/L		0.001	SW846-6020
Copper	U	0.02	mg/L		0.02	SW846-6020
Iron		10.6	mg/L		0.1	SW846-6010A
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		9.71	mg/L		0.025	SW846-6010A
Manganese	BN	0.778	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel		0.00904	mg/L		0.005	SW846-6020
Potassium		1.07	mg/L		0.2	SW846-6010A
Rhodium	BU	0.005	mg/L		0.005	SW846-6020
Selenium	BU	0.005	mg/L		0.005	SW846-6020
Silver	U	0.001	mg/L		0.001	SW846-6020
Sodium	N	57	mg/L		2	SW846-6010A
Tantalum	NU	0.005	mg/L		0.005	SW846-6020
Thallium	BU	0.002	mg/L		0.002	SW846-6020
Uranium	BU	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.02	mg/L		0.02	SW846-6020
<b>METAL-D</b>						
Barium, Dissolved	B	0.349	mg/L		0.005	SW846-6020
<b>PHYSC</b>						
Dissolved Solids		242	mg/L		43	EPA-160.1
<b>RADS</b>						
Alpha activity	U	4.3	pCi/L	2.22	7.64	EPA-900.0
Beta activity	U	5.28	pCi/L	1.06	6.75	EPA-900.0



## MW369

## UG04-02

## C-746 U QUARTERLY - JANUARY UG04-02

Iodine-131	U	2.15	pCi/L	4.3	7.03	RL-7124
Strontium-90	U	1.4	pCi/L	0.239	5.87	RL-7145
Technetium-99		20	pCi/L	11.9	16.5	RL-7100
Thorium-234	U	-28.1	pCi/L	56.1	43.8	RL-7124
Tritium	U	27.1	pCi/L	174	290	704R6
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	UX	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	JU	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	JU	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	JU	0.005	mg/L		0.005	SW846-8260
Trichloroethene		0.003	mg/L		0.001	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L		0.005	SW846-8260
Vinyl acetate	U	0.01	mg/L		0.01	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260

**MW369**

**UG04-02**

**C-746 U QUARTERLY - JANUARY UG04-02**

**WETCHEM**

Chemical Oxygen Demand (COD)	U	35	mg/L	35	EPA-410.4 1978
Cyanide	JU	0.02	mg/L	0.02	SW846-9010-A
Iodide	*U	2	mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		1.6	mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.01	mg/L	0.01	SW846-9020A

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MW370

UG04-02

C-746 U QUARTERLY - JANUARY UG04-02

MW370UG2-04

Collected: 1/7/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		53	mg/L		5	SW846-9056
Fluoride		0.19	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		16.6	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		30.53	Inches/Hg			
Conductivity		427	umho/cm			
Depth to Water		41.51	ft			
Dissolved Oxygen		1.24	mg/L			
pH		6.4	Std Unit			
Redox		101	mV			
Temperature		52.8	deg F			
Turbidity		54.6	NTU			
<b>METAL</b>						
Aluminum	N	0.256	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Arsenic		0.0119	mg/L		0.01	SW846-6020
Barium		0.262	mg/L		0.005	SW846-6020
Beryllium	BU	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6010A
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium	J	29.9	mg/L		1	SW846-6010A
Chromium	U	0.02	mg/L		0.02	SW846-6020
Cobalt	BX	0.021	mg/L		0.001	SW846-6020
Copper	U	0.02	mg/L		0.02	SW846-6020
Iron		5.13	mg/L		0.1	SW846-6010A
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		12.4	mg/L		0.025	SW846-6010A
Manganese	BN	0.497	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel		0.0068	mg/L		0.005	SW846-6020
Potassium		2.53	mg/L		0.2	SW846-6010A
Rhodium	BU	0.005	mg/L		0.005	SW846-6020
Selenium	B	0.00614	mg/L		0.005	SW846-6020
Silver	U	0.001	mg/L		0.001	SW846-6020
Sodium	N	38.8	mg/L		2	SW846-6010A
Tantalum	NU	0.005	mg/L		0.005	SW846-6020
Thallium	BU	0.002	mg/L		0.002	SW846-6020
Uranium	BU	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc		0.0204	mg/L		0.02	SW846-6020
<b>METAL-D</b>						
Barium, Dissolved	B	0.247	mg/L		0.005	SW846-6020
<b>PHYSC</b>						
Dissolved Solids	*	231	mg/L		43	EPA-160.1
<b>RADS</b>						
Alpha activity	U	1.31	pCi/L	0.831	7.09	EPA-900.0

## MW370

## UG04-02

## C-746 U QUARTERLY - JANUARY UG04-02

Beta activity		6.83	pCi/L	1.31	6.65	EPA-900.0
Iodine-131	U	0.132	pCi/L	0.264	7.02	RL-7124
Strontium-90	U	1.08	pCi/L	0.187	5.87	RL-7145
Technetium-99	U	10.9	pCi/L	11.6	16.5	RL-7100
Thorium-234	U	-25.9	pCi/L	51.9	44.2	RL-7124
Tritium	U	121	pCi/L	176	290	704R6
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	JU	0.01	mg/L		0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L		0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	JU	0.01	mg/L		0.01	SW846-8260
Acetone	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	UX	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	JU	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	JU	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	JU	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	JU	0.005	mg/L		0.005	SW846-8260
Trichloroethene		0.015	mg/L		0.001	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L		0.005	SW846-8260

**MW370**

**UG04-02**

**C-746 U QUARTERLY - JANUARY UG04-02**

Vinyl acetate	U	0.01 mg/L	0.01	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	35 mg/L	35	EPA-410.4 1978
Cyanide	JU	0.02 mg/L	0.02	SW846-9010-A
Iodide	*U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		1.2 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.01 mg/L	0.01	SW846-9020A

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MW371

UG04-02

C-746 U QUARTERLY - JANUARY UG04-02

MW371UG2-04

Collected: 1/7/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		7.6	mg/L		2	SW846-9056
Fluoride		0.33	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate	U	5	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		30.53	Inches/Hg			
Conductivity		764	umho/cm			
Depth to Water		24.17	ft			
Dissolved Oxygen		2.11	mg/L			
pH		6.9	Std Unit			
Redox		20.5	mV			
Temperature		54.5	deg F			
Turbidity		-6	NTU			
<b>METAL</b>						
Aluminum	N	0.497	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Barium		0.145	mg/L		0.005	SW846-6020
Beryllium	BU	0.001	mg/L		0.001	SW846-6020
Boron	U	0.2	mg/L		0.2	SW846-6010A
Cadmium	U	0.001	mg/L		0.001	SW846-6020
Calcium	J	30.8	mg/L		1	SW846-6010A
Chromium	U	0.02	mg/L		0.02	SW846-6020
Cobalt	BUX	0.001	mg/L		0.001	SW846-6020
Copper	U	0.02	mg/L		0.02	SW846-6020
Iron		5.81	mg/L		0.1	SW846-6010A
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		12.2	mg/L		0.025	SW846-6010A
Manganese	BN	0.0518	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	U	0.005	mg/L		0.005	SW846-6020
Potassium		0.522	mg/L		0.2	SW846-6010A
Rhodium	BU	0.005	mg/L		0.005	SW846-6020
Selenium	BU	0.005	mg/L		0.005	SW846-6020
Silver	U	0.001	mg/L		0.001	SW846-6020
Sodium	N	142	mg/L		2	SW846-6010A
Tantalum	NU	0.005	mg/L		0.005	SW846-6020
Thallium	BU	0.002	mg/L		0.002	SW846-6020
Uranium	BU	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	U	0.02	mg/L		0.02	SW846-6020
<b>METAL-D</b>						
Barium, Dissolved	B	0.143	mg/L		0.005	SW846-6020
<b>PHYSC</b>						
Dissolved Solids		446	mg/L		43	EPA-160.1
<b>RADS</b>						
Alpha activity	U	-1.37	pCi/L	1.23	11.9	EPA-900.0
Beta activity	U	3.42	pCi/L	0.738	7.36	EPA-900.0

## MW371

## UG04-02

## C-746 U QUARTERLY - JANUARY UG04-02

Iodine-131	U	1.52	pCi/L	3.04	11.3	RL-7124
Strontium-90	U	1.46	pCi/L	0.247	5.87	RL-7145
Technetium-99	U	4.85	pCi/L	11.4	16.5	RL-7100
Thorium-234	U	-25.7	pCi/L	51.3	43.9	RL-7124
Tritium	U	79.3	pCi/L	175	290	704R6
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	JU	0.01	mg/L		0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01	mg/L		0.01	SW846-8260
2-Hexanone	JU	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	JU	0.01	mg/L		0.01	SW846-8260
Acetone	JU	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	UX	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	JU	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	JU	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	JU	0.005	mg/L		0.005	SW846-8260
Trichloroethene	U	0.001	mg/L		0.001	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L		0.005	SW846-8260
Vinyl acetate	U	0.01	mg/L		0.01	SW846-8260

**MW371**

**UG04-02**

**C-746 U QUARTERLY - JANUARY UG04-02**

Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	35 mg/L	35	EPA-410.4 1978
Cyanide	JU	0.02 mg/L	0.02	SW846-9010-A
Iodide	*U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		1.6 mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.0229 mg/L	0.01	SW846-9020A

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**MW369**

**UG04-03**

## C-746 U QUARTERLY - APRIL UG04-03

**MW369UG3-04**

Collected: 4/7/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		43.4	mg/L		2	SW846-9056
Fluoride		0.19	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		13.7	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.8	Inches/Hg			
Conductivity		448	umho/cm			
Depth to Water		37.43	ft			
Dissolved Oxygen		0.68	mg/L			
pH		6.32	Std Unit			
Redox		61	mV			
Temperature		61.5	deg F			
Turbidity		7	NTU			
<b>METAL</b>						
Aluminum		0.294	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Barium		0.346	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	BU	0.2	mg/L		0.2	SW846-6010A
Cadmium	BU	0.001	mg/L		0.001	SW846-6020
Calcium		20.4	mg/L		1	SW846-6010A
Chromium	U	0.02	mg/L		0.02	SW846-6020
Cobalt		0.0741	mg/L		0.001	SW846-6020
Copper	U	0.02	mg/L		0.02	SW846-6020
Iron		9.8	mg/L		0.1	SW846-6010A
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		8.84	mg/L		0.025	SW846-6010A
Manganese		0.807	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	B	0.012	mg/L		0.005	SW846-6020
Potassium		0.896	mg/L		0.2	SW846-6010A
Rhodium	U	0.005	mg/L		0.005	SW846-6020
Selenium	UX	0.005	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		56.1	mg/L		2	SW846-6010A
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	BU	0.002	mg/L		0.002	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	BU	0.02	mg/L		0.02	SW846-6020
<b>METAL-D</b>						
Barium, Dissolved		0.352	mg/L		0.005	SW846-6020
<b>PHYSC</b>						
Dissolved Solids		261	mg/L		40	EPA-160.1
<b>RADS</b>						
Alpha activity	U	0.842	pCi/L	0.533	8.62	EPA-900.0
Beta activity	U	3.62	pCi/L	0.852	5.86	EPA-900.0

## MW369

## UG04-03

## C-746 U QUARTERLY - APRIL UG04-03

Iodine-131	U	-13.9	pCi/L	27.9	18.8	RL-7124
Strontium-90	U	-1.25	pCi/L	0.219	6.57	RL-7145
Technetium-99	U	-2.41	pCi/L	0	18.2	RL-7100
Thorium-234	U	-0.312	pCi/L	0.623	39.8	RL-7124
Tritium	U	117	pCi/L	176	290	704R6
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	JU	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	U	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	JU	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	JU	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene		0.002	mg/L		0.001	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L		0.005	SW846-8260
Vinyl acetate	JU	0.01	mg/L		0.01	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260

**MW369**

**UG04-03**

**C-746 U QUARTERLY - APRIL UG04-03**

**WETCHEM**

Chemical Oxygen Demand (COD)	U	35 mg/L	35	EPA-410.4 1978
Cyanide	*JU	0.05 mg/L	0.05	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)	B	3.7 mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.0208 mg/L	0.01	SW846-9020A

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**MW370**

**UG04-03**

**C-746 U QUARTERLY - APRIL UG04-03**

**MW370UG3-04**

Collected: 4/7/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		51.6	mg/L		5	SW846-9056
Fluoride		0.18	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate		19.2	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.83	Inches/Hg			
Conductivity		453	umho/cm			
Depth to Water		38.3	ft			
Dissolved Oxygen		0.92	mg/L			
pH		6.3	Std Unit			
Redox		105	mV			
Temperature		62.8	deg F			
Turbidity		31.4	NTU			
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Barium		0.248	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	BU	0.2	mg/L		0.2	SW846-6010A
Cadmium	BU	0.001	mg/L		0.001	SW846-6020
Calcium		29.6	mg/L		1	SW846-6010A
Chromium	U	0.02	mg/L		0.02	SW846-6020
Cobalt		0.0158	mg/L		0.001	SW846-6020
Copper	U	0.02	mg/L		0.02	SW846-6020
Iron		1.12	mg/L		0.1	SW846-6010A
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		12.3	mg/L		0.025	SW846-6010A
Manganese		0.413	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	B	0.00685	mg/L		0.005	SW846-6020
Potassium		2.54	mg/L		0.2	SW846-6010A
Rhodium	U	0.005	mg/L		0.005	SW846-6020
Selenium	X	0.0063	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		40.2	mg/L		2	SW846-6010A
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	BU	0.002	mg/L		0.002	SW846-6020
Uranium	U	0.001	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	BU	0.02	mg/L		0.02	SW846-6020
<b>METAL-D</b>						
Barium, Dissolved		0.238	mg/L		0.005	SW846-6020
<b>PHYSC</b>						
Dissolved Solids		250	mg/L		40	EPA-160.1
<b>RADS</b>						
Alpha activity	U	3.11	pCi/L	1.88	5.71	EPA-900.0
Beta activity		16.5	pCi/L	2.66	6.44	EPA-900.0

## MW370

## UG04-03

## C-746 U QUARTERLY - APRIL UG04-03

Iodine-131	U	-5.24	pCi/L	10.5	14.8	RL-7124
Strontium-90	U	0.18	pCi/L	0.029	6.57	RL-7145
Technetium-99	U	-1.09	pCi/L	0	18.2	RL-7100
Thorium-234	U	4.44	pCi/L	8.88	39.9	RL-7124
Tritium	U	89.9	pCi/L	176	290	704R6
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	JU	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	U	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	JU	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	JU	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene		0.012	mg/L		0.001	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L		0.005	SW846-8260
Vinyl acetate	JU	0.01	mg/L		0.01	SW846-8260
Vinyl chloride	U	0.002	mg/L		0.002	SW846-8260

**MW370**

**UG04-03**

**C-746 U QUARTERLY - APRIL UG04-03**

**WETCHEM**

Chemical Oxygen Demand (COD)	U	35 mg/L	35	EPA-410.4 1978
Cyanide	*JU	0.05 mg/L	0.05	SW846-9010-A
Iodide	U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		1.7 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.01 mg/L	0.01	SW846-9020A

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MW371

UG04-03

C-746 U QUARTERLY - APRIL UG04-03

MW371UG3-04

Collected: 4/6/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Bromide	U	1	mg/L		1	SW846-9056
Chloride		7.6	mg/L		2	SW846-9056
Fluoride		0.33	mg/L		0.1	9214
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
Sulfate	U	5	mg/L		5	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		30.03	Inches/Hg			
Conductivity		727	umho/cm			
Depth to Water		22.45	ft			
Dissolved Oxygen		2.8	mg/L			
pH		6.86	Std Unit			
Redox		113	mV			
Temperature		62.3	deg F			
Turbidity		8.6	NTU			
<b>METAL</b>						
Aluminum	U	0.2	mg/L		0.2	SW846-6010A
Antimony	BU	0.005	mg/L		0.005	SW846-6020
Barium		0.125	mg/L		0.005	SW846-6020
Beryllium	U	0.001	mg/L		0.001	SW846-6020
Boron	BU	0.2	mg/L		0.2	SW846-6010A
Cadmium	BU	0.001	mg/L		0.001	SW846-6020
Calcium		27.6	mg/L		1	SW846-6010A
Chromium	U	0.02	mg/L		0.02	SW846-6020
Cobalt	BU	0.001	mg/L		0.001	SW846-6020
Copper	U	0.02	mg/L		0.02	SW846-6020
Iron		0.229	mg/L		0.1	SW846-6010A
Lead	U	0.005	mg/L		0.005	SW846-6020
Magnesium		11.3	mg/L		0.025	SW846-6010A
Manganese	BU	0.005	mg/L		0.005	SW846-6020
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Molybdenum	BU	0.001	mg/L		0.001	SW846-6020
Nickel	BU	0.005	mg/L		0.005	SW846-6020
Potassium		0.377	mg/L		0.2	SW846-6010A
Rhodium	U	0.005	mg/L		0.005	SW846-6020
Selenium	UX	0.005	mg/L		0.005	SW846-6020
Silver	BU	0.001	mg/L		0.001	SW846-6020
Sodium		133	mg/L		2	SW846-6010A
Tantalum	U	0.005	mg/L		0.005	SW846-6020
Thallium	BU	0.002	mg/L		0.002	SW846-6020
Uranium		0.0013	mg/L		0.001	SW846-6020
Vanadium	U	0.02	mg/L		0.02	SW846-6020
Zinc	BU	0.02	mg/L		0.02	SW846-6020
<b>METAL-D</b>						
Barium, Dissolved		0.124	mg/L		0.005	SW846-6020
Uranium, Dissolved		0.00134	mg/L		0.001	SW846-6020
<b>PHYSC</b>						
Dissolved Solids		432	mg/L		42	EPA-160.1
<b>RADS</b>						
Alpha activity	U	1.61	pCi/L	1.44	9.32	EPA-900.0

## MW371

## UG04-03

## C-746 U QUARTERLY - APRIL UG04-03

Beta activity	U	1.12	pCi/L	0.283	7.08	EPA-900.0
Iodine-131	U	0.616	pCi/L	1.23	4.58	RL-7124
Strontium-90	U	-0.966	pCi/L	0.166	6.57	RL-7145
Technetium-99	U	3.38	pCi/L	1.71	18.2	RL-7100
Thorium-234	U	-4.37	pCi/L	8.73	34.7	RL-7124
Tritium	U	-18.8	pCi/L	173	290	704R6
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	JU	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.0002	mg/L		0.0002	SW846-8011
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260
2-Hexanone	U	0.01	mg/L		0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L		0.01	SW846-8260
Acetone	U	0.01	mg/L		0.01	SW846-8260
Acrylonitrile	JU	0.01	mg/L		0.01	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Bromoform	U	0.005	mg/L		0.005	SW846-8260
Bromomethane	U	0.005	mg/L		0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L		0.005	SW846-8260
Chloroethane	U	0.005	mg/L		0.005	SW846-8260
Chloromethane	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L		0.005	SW846-8260
Dibromomethane	U	0.005	mg/L		0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L		0.005	SW846-8260
Ethanol	U	0.25	mg/L		0.25	SW846-8015
Ethyl methacrylate	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Iodomethane	JU	0.005	mg/L		0.005	SW846-8260
Methylene chloride	U	0.005	mg/L		0.005	SW846-8260
Styrene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.015	mg/L		0.015	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L		0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene	U	0.001	mg/L		0.001	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L		0.005	SW846-8260
Vinyl acetate	JU	0.01	mg/L		0.01	SW846-8260



**MW371**

**UG04-03**

**C-746 U QUARTERLY - APRIL UG04-03**

Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	35 mg/L	35	EPA-410.4 1978
Cyanide	U	0.05 mg/L	0.05	SW846-9010-A
Iodide	*U	2 mg/L	2	EPA-345.1 1974
Total Organic Carbon (TOC)		2.4 mg/L	1	SW846-9060
Total Organic Halides (TOX)		0.0211 mg/L	0.01	SW846-9020A

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**MW369**

**UG04-05**

## C-746 U QUARTERLY - Radium - OCTOBER UG04-05

**MW369UG1-04**

Collected: 10/6/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		30	Inches/Hg			
Conductivity		476	umho/cm			
Depth to Water		39.2	ft			
Dissolved Oxygen		1.78	mg/L			
pH		6.5	Std Unit			
Redox		-1	mV			
Temperature		65.9	deg F			
Turbidity		39.8	NTU			
<b>RADS</b>						
Radium-226		0.168	pCi/L	0.136	0.16	RL-7129

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**MW370**

**UG04-05**

## C-746 U QUARTERLY - Radium - OCTOBER UG04-05

**MW370UG1-04**

Collected: 10/6/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		30	Inches/Hg			
Conductivity		435	umho/cm			
Depth to Water		40.03	ft			
Dissolved Oxygen		1.07	mg/L			
pH		6.5	Std Unit			
Redox		40	mV			
Temperature		64.6	deg F			
Turbidity		9.5	NTU			
<b>RADS</b>						
Radium-226		0.52	pCi/L	0.204	0.121	RL-7129

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**MW371**

**UG04-05**

## C-746 U QUARTERLY - Radium - OCTOBER UG04-05

**MW371UG1-04**

Collected: 10/6/2003

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		30	Inches/Hg			
Conductivity		753	umho/cm			
Depth to Water		22.45	ft			
Dissolved Oxygen		1.28	mg/L			
pH		7	Std Unit			
Redox		-22	mV			
Temperature		65.1	deg F			
Turbidity		5.5	NTU			
<b>RADS</b>						
Radium-226	U	0.179	pCi/L	0.141	0.184	RL-7129

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**MW369**

**UG04-06**

## C-746 U QUARTERLY - Radium - JANUARY UG04-06

**MW369UG2-04**

Collected: 1/7/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		30.53	Inches/Hg			
Conductivity		450	umho/cm			
Depth to Water		40.73	ft			
Dissolved Oxygen		1.54	mg/L			
pH		6.6	Std Unit			
Redox		55	mV			
Temperature		53.8	deg F			
Turbidity		25.1	NTU			
<b>RADS</b>						
Radium-226	U	0.702	pCi/L	0.499	0.899	RL-7129

Paducah-OREIS Data Report

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MW370

UG04-06

C-746 U QUARTERLY - Radium - JANUARY UG04-06

MW370UG2-04

Collected: 1/7/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		30.53	Inches/Hg			
Conductivity		427	umho/cm			
Depth to Water		41.51	ft			
Dissolved Oxygen		1.24	mg/L			
pH		6.4	Std Unit			
Redox		101	mV			
Temperature		52.8	deg F			
Turbidity		54.6	NTU			
<b>RADS</b>						
Radium-226	U	1.03	pCi/L	0.71	1.39	RL-7129

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**MW371**

**UG04-06**

## C-746 U QUARTERLY - Radium - JANUARY UG04-06

**MW371UG2-04**

Collected: 1/7/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		30.53	Inches/Hg			
Conductivity		764	umho/cm			
Depth to Water		24.17	ft			
Dissolved Oxygen		2.11	mg/L			
pH		6.9	Std Unit			
Redox		20.5	mV			
Temperature		54.5	deg F			
Turbidity		-6	NTU			
<b>RADS</b>						
Radium-226		0.898	pCi/L	0.591	0.728	RL-7129

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**MW369**

**UG04-07**

## C-746 U QUARTERLY - Radium - APRIL UG04-07

**MW369UG3-04**

Collected: 4/7/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.8	Inches/Hg			
Conductivity		448	umho/cm			
Depth to Water		37.43	ft			
Dissolved Oxygen		0.68	mg/L			
pH		6.32	Std Unit			
Redox		61	mV			
Temperature		61.5	deg F			
Turbidity		7	NTU			
<b>RADS</b>						
Radium-226	U	0.195	pCi/L	0.327	0.832	RL-7129



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**MW370**

**UG04-07**

## C-746 U QUARTERLY - Radium - APRIL UG04-07

**MW370UG3-04**

Collected: 4/7/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		29.83	Inches/Hg			
Conductivity		453	umho/cm			
Depth to Water		38.3	ft			
Dissolved Oxygen		0.92	mg/L			
pH		6.3	Std Unit			
Redox		105	mV			
Temperature		62.8	deg F			
Turbidity		31.4	NTU			
<b>RADS</b>						
Radium-226	U	0.434	pCi/L	0.431	0.871	RL-7129

# Paducah-OREIS Data Report

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**MW371**

**UG04-07**

## C-746 U QUARTERLY - Radium - APRIL UG04-07

**MW371UG3-04**

Collected: 4/6/2004

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Barometric Pressure Reading		30.03	Inches/Hg			
Conductivity		727	umho/cm			
Depth to Water		22.45	ft			
Dissolved Oxygen		2.8	mg/L			
pH		6.86	Std Unit			
Redox		113	mV			
Temperature		62.3	deg F			
Turbidity		8.6	NTU			
<b>RADS</b>						
Radium-226	U	0.108	pCi/L	0.226	0.786	RL-7129

MW276

UG98-01

## C-746U Groundwater Monitoring 1st Quarter FY98

5738-97

Collected: 10/21/1997

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		52.9	mg/L			IN7120
Nitrate as Nitrogen	U	1	mg/L			IN7120
Total Organic Carbon (TOC)		2	mg/L			ST7480
Total Organic Halides (TOX)	U	0.025	mg/L			SW846-9020
<b>Field P</b>						
Depth to Water		37.37	ft			
Dissolved Oxygen		4.76	mg/L			
pH		6	Std Unit			
Specific Conductivity (PIP)		389	umho/cm			
Temperature		59.1	deg F			
<b>METAL</b>						
Barium		0.216	mg/L			SW846-6010
Beryllium	U	0.025	mg/L			SW846-6010
Cadmium	BU	0.005	mg/L			SW846-7131
Chromium		0.118	mg/L			SW846-6010
Cobalt	U	0.05	mg/L			SW846-6010
Copper	U	0.1	mg/L			SW846-6010
Iron	N	0.835	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Nickel	U	0.1	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	U	0.05	mg/L			SW846-6010
Sodium	N	33	mg/L			SW846-6010
Strontium		0.113	mg/L			SW846-6010
Thallium	U	0.4	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Vanadium	U	0.1	mg/L			SW846-6010
Zinc	UB	0.1	mg/L			SW846-6010
<b>METAL-D</b>						
Barium		0.205	mg/L			SW846-6010
Chromium	U	0.05	mg/L			SW846-6010
Strontium		0.102	mg/L			SW846-6010
Vanadium	U	0.1	mg/L			SW846-6010
<b>PHYSC</b>						
Chemical Oxygen Demand (COD)	<	25	mg/L			IN7430
Dissolved Solids		201	mg/L			IN7475
Suspended Solids	U	10	mg/L			IN7475
Total Solids		221	mg/L			IN7475
Turbidity		6.4	NTU			IN7490
<b>RADS</b>						
Alpha activity		-2.9	pCi/L	-1.2		RL-7122
Beta activity		27	pCi/L	3		RL-7122
Technetium-99		26	pCi/L	13		RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L			SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L			SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L			SW846-8260

## MW276

## UG98-01

## C-746U Groundwater Monitoring 1st Quarter FY98

1,1,2,2-Tetrachloroethane	U	0.005	mg/L	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.01	mg/L	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	SW846-8260
2-Butanone	U	0.01	mg/L	SW846-8260
2-Chloroethyl vinyl ether	U	0.01	mg/L	SW846-8260
2-Hexanone	U	0.01	mg/L	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L	SW846-8260
Acetone	U	0.01	mg/L	SW846-8260
Acrolein	U	0.01	mg/L	SW846-8260
Acrylonitrile	U	0.01	mg/L	SW846-8260
Benzene	U	0.005	mg/L	SW846-8260
Bromochloromethane	U	0.005	mg/L	SW846-8260
Bromodichloromethane	U	0.005	mg/L	SW846-8260
Bromoform	U	0.005	mg/L	SW846-8260
Bromomethane	U	0.005	mg/L	SW846-8260
Carbon disulfide	U	0.005	mg/L	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	SW846-8260
Chlorobenzene	U	0.005	mg/L	SW846-8260
Chloroethane	U	0.005	mg/L	SW846-8260
Chloromethane	U	0.005	mg/L	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Dibromochloromethane	U	0.005	mg/L	SW846-8260
Dibromomethane	U	0.005	mg/L	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	SW846-8260
Ethanol	U	0.25	mg/L	SW846-8015
Ethyl methacrylate	U	0.005	mg/L	SW846-8260
Ethylbenzene	U	0.005	mg/L	SW846-8260
Iodomethane	U	0.005	mg/L	SW846-8260
Methylene chloride	U	0.01	mg/L	SW846-8260
Styrene	U	0.005	mg/L	SW846-8260
Tetrachloroethene	U	0.005	mg/L	SW846-8260
Toluene	U	0.005	mg/L	SW846-8260
Total Xylene	U	0.005	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.01	mg/L	SW846-8260
Trichloroethene		0.028	mg/L	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L	SW846-8260
Vinyl acetate	U	0.01	mg/L	SW846-8260
Vinyl chloride	U	0.002	mg/L	SW846-8260

MW276

UG98-01

C-746U Groundwater Monitoring 1st Quarter FY98

5739-97

Collected: 10/21/1997

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		52.5	mg/L			IN7120
Nitrate as Nitrogen	U	1	mg/L			IN7120
Total Organic Carbon (TOC)		2	mg/L			ST7480
Total Organic Halides (TOX)	U	0.025	mg/L			SW846-9020
<b>Field P</b>						
Depth to Water		37.37	ft			
Dissolved Oxygen		4.76	mg/L			
pH		6	Std Unit			
Specific Conductivity (PIP)		389	umho/cm			
Temperature		59.1	deg F			
<b>METAL</b>						
Barium		0.208	mg/L			SW846-6010
Beryllium	U	0.025	mg/L			SW846-6010
Cadmium	BU	0.005	mg/L			SW846-7131
Chromium		0.117	mg/L			SW846-6010
Cobalt	U	0.05	mg/L			SW846-6010
Copper	U	0.1	mg/L			SW846-6010
Iron	N	0.824	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Nickel	U	0.1	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	U	0.05	mg/L			SW846-6010
Sodium	N	31	mg/L			SW846-6010
Strontium		0.112	mg/L			SW846-6010
Thallium	U	0.4	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Vanadium	U	0.1	mg/L			SW846-6010
Zinc	UB	0.1	mg/L			SW846-6010
<b>METAL-D</b>						
Barium		0.199	mg/L			SW846-6010
Chromium	U	0.05	mg/L			SW846-6010
Strontium		0.101	mg/L			SW846-6010
Vanadium	U	0.1	mg/L			SW846-6010
<b>PHYSC</b>						
Chemical Oxygen Demand (COD)	<	25	mg/L			IN7430
Dissolved Solids		215	mg/L			IN7475
Suspended Solids	U	10	mg/L			IN7475
Total Solids		209	mg/L			IN7475
Turbidity		6.2	NTU			IN7490
<b>RADS</b>						
Alpha activity		-0.8	pCi/L	-0.3		RL-7122
Beta activity		23	pCi/L	3		RL-7122
Technetium-99		27	pCi/L	13		RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L			SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L			SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L			SW846-8260

## MW276

## UG98-01

## C-746U Groundwater Monitoring 1st Quarter FY98

1,1,2,2-Tetrachloroethane	U	0.005	mg/L	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.01	mg/L	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	SW846-8260
2-Butanone	U	0.01	mg/L	SW846-8260
2-Chloroethyl vinyl ether	U	0.01	mg/L	SW846-8260
2-Hexanone	U	0.01	mg/L	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L	SW846-8260
Acetone	U	0.01	mg/L	SW846-8260
Acrolein	U	0.01	mg/L	SW846-8260
Acrylonitrile	U	0.01	mg/L	SW846-8260
Benzene	U	0.005	mg/L	SW846-8260
Bromochloromethane	U	0.005	mg/L	SW846-8260
Bromodichloromethane	U	0.005	mg/L	SW846-8260
Bromoform	U	0.005	mg/L	SW846-8260
Bromomethane	U	0.005	mg/L	SW846-8260
Carbon disulfide	U	0.005	mg/L	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	SW846-8260
Chlorobenzene	U	0.005	mg/L	SW846-8260
Chloroethane	U	0.005	mg/L	SW846-8260
Chloromethane	U	0.005	mg/L	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Dibromochloromethane	U	0.005	mg/L	SW846-8260
Dibromomethane	U	0.005	mg/L	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	SW846-8260
Ethanol	U	0.25	mg/L	SW846-8015
Ethyl methacrylate	U	0.005	mg/L	SW846-8260
Ethylbenzene	U	0.005	mg/L	SW846-8260
Iodomethane	U	0.005	mg/L	SW846-8260
Methylene chloride	U	0.01	mg/L	SW846-8260
Styrene	U	0.005	mg/L	SW846-8260
Tetrachloroethene	U	0.005	mg/L	SW846-8260
Toluene	U	0.005	mg/L	SW846-8260
Total Xylene	U	0.005	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.01	mg/L	SW846-8260
Trichloroethene		0.028	mg/L	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L	SW846-8260
Vinyl acetate	U	0.01	mg/L	SW846-8260
Vinyl chloride	U	0.002	mg/L	SW846-8260

MW277

UG98-01

C-746U Groundwater Monitoring 1st Quarter FY98

5740-97

Collected: 10/22/1997

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		50.6	mg/L			IN7120
Nitrate as Nitrogen		1.1	mg/L			IN7120
Total Organic Carbon (TOC)	U	1	mg/L			ST7480
Total Organic Halides (TOX)	U	0.025	mg/L			SW846-9020
<b>Field P</b>						
Depth to Water		37.8	ft			
Dissolved Oxygen		3.93	mg/L			
pH		6	Std Unit			
Specific Conductivity (PIP)		375	umho/cm			
Temperature		60	deg F			
<b>METAL</b>						
Barium		0.206	mg/L			SW846-6010
Beryllium	U	0.025	mg/L			SW846-6010
Cadmium	BU	0.005	mg/L			SW846-7131
Chromium		0.337	mg/L			SW846-6010
Cobalt	U	0.05	mg/L			SW846-6010
Copper	U	0.1	mg/L			SW846-6010
Iron	N	2.7	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Nickel		0.109	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	U	0.05	mg/L			SW846-6010
Sodium	N	28.1	mg/L			SW846-6010
Thallium	U	0.4	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Vanadium	U	0.1	mg/L			SW846-6010
Zinc	U	0.1	mg/L			SW846-6010
<b>METAL-D</b>						
Barium		0.189	mg/L			SW846-6010
Chromium	U	0.05	mg/L			SW846-6010
<b>PHYSC</b>						
Chemical Oxygen Demand (COD)	<	25	mg/L			IN7430
Dissolved Solids		197	mg/L			IN7475
Turbidity		20	NTU			IN7490
<b>RADS</b>						
Alpha activity		3.5	pCi/L	1.2		RL-7122
Beta activity		13	pCi/L	2		RL-7122
Technetium-99		-4	pCi/L	0		RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L			SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L			SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1-Dichloroethane	U	0.005	mg/L			SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L			SW846-8260
1,2-Dibromo-3-chloropropane	U	0.01	mg/L			SW846-8260

**MW277****UG98-01****C-746U Groundwater Monitoring 1st Quarter FY98**

1,2-Dibromoethane	U	0.005	mg/L	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	SW846-8260
2-Butanone	U	0.01	mg/L	SW846-8260
2-Chloroethyl vinyl ether	U	0.01	mg/L	SW846-8260
2-Hexanone	U	0.01	mg/L	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L	SW846-8260
Acetone	U	0.01	mg/L	SW846-8260
Acrolein	U	0.01	mg/L	SW846-8260
Acrylonitrile	U	0.01	mg/L	SW846-8260
Benzene	U	0.005	mg/L	SW846-8260
Bromochloromethane	U	0.005	mg/L	SW846-8260
Bromodichloromethane	U	0.005	mg/L	SW846-8260
Bromoform	U	0.005	mg/L	SW846-8260
Bromomethane	U	0.005	mg/L	SW846-8260
Carbon disulfide	U	0.005	mg/L	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	SW846-8260
Chlorobenzene	U	0.005	mg/L	SW846-8260
Chloroethane	U	0.005	mg/L	SW846-8260
Chloromethane	U	0.005	mg/L	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Dibromochloromethane	U	0.005	mg/L	SW846-8260
Dibromomethane	U	0.005	mg/L	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	SW846-8260
Ethanol	U	0.25	mg/L	SW846-8015
Ethyl methacrylate	U	0.005	mg/L	SW846-8260
Ethylbenzene	U	0.005	mg/L	SW846-8260
Iodomethane	U	0.005	mg/L	SW846-8260
Methylene chloride	U	0.01	mg/L	SW846-8260
Styrene	U	0.005	mg/L	SW846-8260
Tetrachloroethene	U	0.005	mg/L	SW846-8260
Toluene	U	0.005	mg/L	SW846-8260
Total Xylene	U	0.005	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.01	mg/L	SW846-8260
Trichloroethene		0.032	mg/L	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L	SW846-8260
Vinyl acetate	U	0.01	mg/L	SW846-8260
Vinyl chloride	U	0.002	mg/L	SW846-8260



MW276

UG98-02

## C-746U Groundwater Monitoring 2nd Quarter FY98

5052-98

Collected: 1/20/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		51.8	mg/L			IN7120
Nitrate as Nitrogen	U	1	mg/L			IN7120
Total Organic Carbon (TOC)	U	1	mg/L			SW846-9020
Total Organic Halides (TOX)		0.035	mg/L			SW846-9020
<b>Field P</b>						
Conductivity		394	umho/cm			
Depth to Water		39.53	ft			
Dissolved Oxygen		4.73	mg/L			
pH		5.8	Std Unit			
Temperature		56.7	deg F			
<b>METAL</b>						
Barium		0.213	mg/L			SW846-6010
Beryllium	U	0.025	mg/L			SW846-6010
Cadmium	U	0.005	mg/L			SW846-7131
Chromium		0.126	mg/L			SW846-6010
Cobalt	U	0.05	mg/L			SW846-6010
Copper	U	0.1	mg/L			SW846-6010
Iron		0.821	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Nickel	U	0.1	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	U	0.05	mg/L			SW846-6010
Sodium		34.6	mg/L			SW846-6010
Thallium	U	0.4	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Vanadium	U	0.1	mg/L			SW846-6010
Zinc	U	0.1	mg/L			SW846-6010
<b>METAL-D</b>						
Barium		0.193	mg/L			SW846-6010
Chromium	U	0.05	mg/L			SW846-6010
<b>PHYSC</b>						
Chemical Oxygen Demand (COD)	<	25	mg/L			IN7430
Dissolved Solids		219	mg/L			IN7475
Turbidity		5.5	NTU			IN7490
<b>RADS</b>						
Beta activity		29	pCi/L	3		RL-7122
Technetium-99		25	pCi/L	12		RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L			SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L			SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1-Dichloroethane	U	0.005	mg/L			SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L			SW846-8260
1,2-Dibromoethane	U	0.005	mg/L			SW846-8260
1,2-Dichloroethane	U	0.005	mg/L			SW846-8260

## MW276

## UG98-02

## C-746U Groundwater Monitoring 2nd Quarter FY98

1,2-Dichloropropane	U	0.005	mg/L	SW846-8260
2-Chloroethyl vinyl ether	U	0.005	mg/L	SW846-8260
2-Hexanone	U	0.01	mg/L	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L	SW846-8260
Benzene	U	0.005	mg/L	SW846-8260
Bromochloromethane	U	0.005	mg/L	SW846-8260
Bromodichloromethane	U	0.005	mg/L	SW846-8260
Bromoform	U	0.005	mg/L	SW846-8260
Bromomethane	U	0.005	mg/L	SW846-8260
Carbon disulfide	U	0.005	mg/L	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	SW846-8260
Chlorobenzene	U	0.005	mg/L	SW846-8260
Chloroethane	U	0.005	mg/L	SW846-8260
Chloromethane	U	0.005	mg/L	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Dibromochloromethane	U	0.005	mg/L	SW846-8260
Dibromomethane	U	0.005	mg/L	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	SW846-8260
Ethyl methacrylate	U	0.005	mg/L	SW846-8260
Ethylbenzene	U	0.005	mg/L	SW846-8260
Iodomethane	U	0.005	mg/L	SW846-8260
Methylene chloride	U	0.01	mg/L	SW846-8260
Styrene	U	0.005	mg/L	SW846-8260
Tetrachloroethene	U	0.005	mg/L	SW846-8260
Toluene	U	0.005	mg/L	SW846-8260
Total Xylene	U	0.005	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Trichloroethene		0.023	mg/L	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L	SW846-8260
Vinyl acetate	U	0.005	mg/L	SW846-8260
Vinyl chloride	U	0.002	mg/L	SW846-8260

MW276

UG98-02

## C-746U Groundwater Monitoring 2nd Quarter FY98

5053-98

Collected: 1/20/1998

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		52.6	mg/L			IN7120
Nitrate as Nitrogen		1	mg/L			IN7120
Total Organic Carbon (TOC)	U	1	mg/L			SW846-9020
Total Organic Halides (TOX)		0.04	mg/L			SW846-9020
<b>Field P</b>						
Conductivity		394	umho/cm			
Depth to Water		39.53	ft			
Dissolved Oxygen		4.73	mg/L			
pH		5.8	Std Unit			
Temperature		56.7	deg F			
<b>METAL</b>						
Barium		0.207	mg/L			SW846-6010
Beryllium	U	0.025	mg/L			SW846-6010
Cadmium	U	0.005	mg/L			SW846-7131
Chromium		0.073	mg/L			SW846-6010
Cobalt	U	0.05	mg/L			SW846-6010
Copper	U	0.1	mg/L			SW846-6010
Iron		0.548	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Nickel	U	0.1	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	U	0.05	mg/L			SW846-6010
Sodium		34.6	mg/L			SW846-6010
Thallium	U	0.4	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Vanadium	U	0.1	mg/L			SW846-6010
Zinc		0.109	mg/L			SW846-6010
<b>METAL-D</b>						
Barium		0.194	mg/L			SW846-6010
Chromium	U	0.05	mg/L			SW846-6010
<b>PHYSC</b>						
Chemical Oxygen Demand (COD)	<	25	mg/L			IN7430
Dissolved Solids		214	mg/L			IN7475
Turbidity		4	NTU			IN7490
<b>RADS</b>						
Alpha activity		5	pCi/L	1.6		RL-7122
Beta activity		24	pCi/L	3		RL-7122
Technetium-99		18	pCi/L	12		RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L			SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L			SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1-Dichloroethane	U	0.005	mg/L			SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L			SW846-8260
1,2-Dibromoethane	U	0.005	mg/L			SW846-8260

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1,2-Dichloroethane	U	0.005	mg/L	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	SW846-8260
2-Chloroethyl vinyl ether	U	0.005	mg/L	SW846-8260
2-Hexanone	U	0.01	mg/L	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L	SW846-8260
Benzene	U	0.005	mg/L	SW846-8260
Bromochloromethane	U	0.005	mg/L	SW846-8260
Bromodichloromethane	U	0.005	mg/L	SW846-8260
Bromoform	U	0.005	mg/L	SW846-8260
Bromomethane	U	0.005	mg/L	SW846-8260
Carbon disulfide	U	0.005	mg/L	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	SW846-8260
Chlorobenzene	U	0.005	mg/L	SW846-8260
Chloroethane	U	0.005	mg/L	SW846-8260
Chloromethane	U	0.005	mg/L	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Dibromochloromethane	U	0.005	mg/L	SW846-8260
Dibromomethane	U	0.005	mg/L	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	SW846-8260
Ethyl methacrylate	U	0.005	mg/L	SW846-8260
Ethylbenzene	U	0.005	mg/L	SW846-8260
Iodomethane	U	0.005	mg/L	SW846-8260
Methylene chloride	U	0.01	mg/L	SW846-8260
Styrene	U	0.005	mg/L	SW846-8260
Tetrachloroethene	U	0.005	mg/L	SW846-8260
Toluene	U	0.005	mg/L	SW846-8260
Total Xylene	U	0.005	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Trichloroethene		0.023	mg/L	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L	SW846-8260
Vinyl acetate	U	0.005	mg/L	SW846-8260
Vinyl chloride	U	0.002	mg/L	SW846-8260

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**MW277**

**UG98-02**

**C-746U Groundwater Monitoring 2nd Quarter FY98**

**5054-98**

Collected: 1/21/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		50.7	mg/L			IN7120
Nitrate as Nitrogen		1.1	mg/L			IN7120
Total Organic Carbon (TOC)	U	1	mg/L			SW846-9020
Total Organic Halides (TOX)	J	0.033	mg/L			SW846-9020
<b>Field P</b>						
Conductivity		373	umho/cm			
Depth to Water		39.83	ft			
Dissolved Oxygen		3.63	mg/L			
pH		6	Std Unit			
Temperature		57.8	deg F			
<b>METAL</b>						
Barium		0.2	mg/L			SW846-6010
Beryllium	U	0.025	mg/L			SW846-6010
Cadmium	U	0.005	mg/L			SW846-7131
Chromium		0.174	mg/L			SW846-6010
Cobalt	U	0.05	mg/L			SW846-6010
Copper	U	0.1	mg/L			SW846-6010
Iron		1.82	mg/L			SW846-6010
Mercury	U	0.0002	mg/L			SW846-7470
Nickel	U	0.1	mg/L			SW846-6010
Selenium	U	0.005	mg/L			SW846-7740
Silver	U	0.05	mg/L			SW846-6010
Sodium		30.6	mg/L			SW846-6010
Thallium	U	0.4	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Vanadium	U	0.1	mg/L			SW846-6010
Zinc	U	0.1	mg/L			SW846-6010
<b>METAL-D</b>						
Barium		0.187	mg/L			SW846-6010
Chromium	U	0.05	mg/L			SW846-6010
<b>PHYSC</b>						
Chemical Oxygen Demand (COD)	<	25	mg/L			IN7430
Dissolved Solids		211	mg/L			IN7475
Turbidity		23	NTU			IN7490
<b>RADS</b>						
Beta activity		11	pCi/L	2		RL-7122
Technetium-99	A	10	pCi/L			RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L			SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L			SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L			SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L			SW846-8260
1,1-Dichloroethane	U	0.005	mg/L			SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L			SW846-8260
1,2-Dibromoethane	U	0.005	mg/L			SW846-8260
1,2-Dichloroethane	U	0.005	mg/L			SW846-8260

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1,2-Dichloropropane	U	0.005	mg/L	SW846-8260
2-Chloroethyl vinyl ether	U	0.005	mg/L	SW846-8260
2-Hexanone	U	0.01	mg/L	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L	SW846-8260
Benzene	U	0.005	mg/L	SW846-8260
Bromochloromethane	U	0.005	mg/L	SW846-8260
Bromodichloromethane	U	0.005	mg/L	SW846-8260
Bromoform	U	0.005	mg/L	SW846-8260
Bromomethane	U	0.005	mg/L	SW846-8260
Carbon disulfide	U	0.005	mg/L	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	SW846-8260
Chlorobenzene	U	0.005	mg/L	SW846-8260
Chloroethane	U	0.005	mg/L	SW846-8260
Chloromethane	U	0.005	mg/L	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Dibromochloromethane	U	0.005	mg/L	SW846-8260
Dibromomethane	U	0.005	mg/L	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	SW846-8260
Ethyl methacrylate	U	0.005	mg/L	SW846-8260
Ethylbenzene	U	0.005	mg/L	SW846-8260
Iodomethane	U	0.005	mg/L	SW846-8260
Methylene chloride	U	0.01	mg/L	SW846-8260
Styrene	U	0.005	mg/L	SW846-8260
Tetrachloroethene	U	0.005	mg/L	SW846-8260
Toluene	U	0.005	mg/L	SW846-8260
Total Xylene	U	0.005	mg/L	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	SW846-8260
Trichloroethene		0.032	mg/L	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L	SW846-8260
Vinyl acetate	U	0.005	mg/L	SW846-8260
Vinyl chloride	U	0.002	mg/L	SW846-8260

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MW276

UG98-03

C-746U Groundwater Monitoring 3rd Quarter FY98

5252-98

Collected: 4/13/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		49.4	mg/L			SW846-9056
Nitrate as Nitrogen	U	1	mg/L			SW846-9056
Total Organic Carbon (TOC)	U	1	mg/L		1	SW846-9060
Total Organic Halides (TOX)		0.01	mg/L			SW846-9020
<b>Field P</b>						
Conductivity		397	umho/cm			
Depth to Water		37.77	ft			
Dissolved Oxygen		2.14	mg/L			
pH		6.1	Std Unit			
Temperature		60.2	deg F			
<b>METAL</b>						
Barium		0.21	mg/L			SW846-6010
Beryllium	U	0.02	mg/L			SW846-6010
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium		0.2	mg/L			SW846-6010
Cobalt	U	0.05	mg/L			SW846-6010
Copper	U	0.1	mg/L			SW846-6010
Iron		1.15	mg/L			SW846-6010
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel	U	0.1	mg/L			SW846-6010
Selenium	U	0.005	mg/L		0.005	SW846-7740
Silver	U	0.05	mg/L			SW846-6010
Sodium	N	34.1	mg/L			SW846-6010
Thallium	U	0.4	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Vanadium	U	0.1	mg/L			SW846-6010
Zinc	U	0.1	mg/L			SW846-6010
<b>METAL-D</b>						
Barium		0.22	mg/L			SW846-6010
Chromium	U	0.05	mg/L			SW846-6010
<b>PHYSC</b>						
Chemical Oxygen Demand (COD)	<	25	mg/L			EPA-410.4 1978
Dissolved Solids		237	mg/L			EPA-160.2
Turbidity		9.3	NTU			EPA-180.1 1978
<b>RADS</b>						
Alpha activity	A	-1.4	pCi/L			EPA-900.0
Beta activity		45	pCi/L	4		EPA-900.0
Technetium-99		54.3	pCi/L	13.9		RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260

## MW276

## UG98-03

## C-746U Groundwater Monitoring 3rd Quarter FY98

1,2-Dichloroethane	U	0.005 mg/L	0.005	SW846-8260
1,2-Dichloropropane	U	0.005 mg/L	0.005	SW846-8260
2-Chloroethyl vinyl ether	U	0.01 mg/L	0.01	SW846-8260
2-Hexanone	U	0.01 mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01 mg/L	0.01	SW846-8260
Benzene	U	0.005 mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromoform	U	0.005 mg/L	0.005	SW846-8260
Bromomethane	U	0.005 mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005 mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005 mg/L	0.005	SW846-8260
Chloroethane	U	0.005 mg/L	0.005	SW846-8260
Chloromethane	U	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Dibromomethane	U	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005 mg/L	0.005	SW846-8260
Ethanol	U	0.25 mg/L	0.25	SW846-8015 M
Ethyl methacrylate	U	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	U	0.005 mg/L	0.005	SW846-8260
Methylene chloride	U	0.01 mg/L	0.01	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.005 mg/L	0.005	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene		0.024 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.005 mg/L	0.005	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260



MW276

UG98-03

C-746U Groundwater Monitoring 3rd Quarter FY98

5253-98

Collected: 4/13/1998

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		49.4	mg/L			SW846-9056
Nitrate as Nitrogen	U	1	mg/L			SW846-9056
Total Organic Carbon (TOC)	U	1	mg/L		1	SW846-9060
Total Organic Halides (TOX)		0.01	mg/L			SW846-9020
<b>Field P</b>						
Conductivity		397	umho/cm			
Depth to Water		37.77	ft			
Dissolved Oxygen		2.14	mg/L			
pH		6.1	Std Unit			
Temperature		60.2	deg F			
<b>METAL</b>						
Barium		0.22	mg/L			SW846-6010
Beryllium	U	0.02	mg/L			SW846-6010
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium		0.09	mg/L			SW846-6010
Cobalt	U	0.05	mg/L			SW846-6010
Copper	U	0.1	mg/L			SW846-6010
Iron		0.68	mg/L			SW846-6010
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel	U	0.1	mg/L			SW846-6010
Selenium	U	0.005	mg/L		0.005	SW846-7740
Silver	U	0.05	mg/L			SW846-6010
Sodium	N	34.9	mg/L			SW846-6010
Thallium	U	0.4	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Vanadium	U	0.1	mg/L			SW846-6010
Zinc	U	0.1	mg/L			SW846-6010
<b>METAL-D</b>						
Barium		0.22	mg/L			SW846-6010
Chromium	U	0.05	mg/L			SW846-6010
<b>PHYSC</b>						
Chemical Oxygen Demand (COD)	<	25	mg/L			EPA-410.4 1978
Dissolved Solids		243	mg/L			EPA-160.2
Turbidity		7.1	NTU			EPA-180.1 1978
<b>RADS</b>						
Alpha activity	A	3.5	pCi/L			EPA-900.0
Beta activity		42	pCi/L	4		EPA-900.0
Technetium-99		50.8	pCi/L	13.8		RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260

## MW276

## UG98-03

## C-746U Groundwater Monitoring 3rd Quarter FY98

1,2-Dichloroethane	U	0.005 mg/L	0.005	SW846-8260
1,2-Dichloropropane	U	0.005 mg/L	0.005	SW846-8260
2-Chloroethyl vinyl ether	U	0.01 mg/L	0.01	SW846-8260
2-Hexanone	U	0.01 mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01 mg/L	0.01	SW846-8260
Benzene	U	0.005 mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromoform	U	0.005 mg/L	0.005	SW846-8260
Bromomethane	U	0.005 mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005 mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005 mg/L	0.005	SW846-8260
Chloroethane	U	0.005 mg/L	0.005	SW846-8260
Chloromethane	U	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Dibromomethane	U	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005 mg/L	0.005	SW846-8260
Ethanol	U	0.25 mg/L	0.25	SW846-8015 M
Ethyl methacrylate	U	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	U	0.005 mg/L	0.005	SW846-8260
Methylene chloride	U	0.01 mg/L	0.01	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.005 mg/L	0.005	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene		0.023 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.005 mg/L	0.005	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260

MW277

UG98-03

C-746U Groundwater Monitoring 3rd Quarter FY98

5254-98

Collected: 4/13/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		51.6	mg/L			SW846-9056
Nitrate as Nitrogen		1.1	mg/L			SW846-9056
Total Organic Carbon (TOC)	U	1	mg/L		1	SW846-9060
Total Organic Halides (TOX)		0.01	mg/L			SW846-9020
<b>Field P</b>						
Conductivity		390	umho/cm			
Depth to Water		38.14	ft			
Dissolved Oxygen		1	mg/L			
pH		6.1	Std Unit			
Temperature		60.5	deg F			
<b>METAL</b>						
Barium		0.21	mg/L			SW846-6010
Beryllium	U	0.02	mg/L			SW846-6010
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium		0.12	mg/L			SW846-6010
Cobalt	U	0.05	mg/L			SW846-6010
Copper	U	0.1	mg/L			SW846-6010
Iron		1.42	mg/L			SW846-6010
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel		0.12	mg/L			SW846-6010
Selenium	U	0.005	mg/L		0.005	SW846-7740
Silver	U	0.05	mg/L			SW846-6010
Sodium	N	31.5	mg/L			SW846-6010
Thallium	U	0.4	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Vanadium	U	0.1	mg/L			SW846-6010
Zinc	U	0.1	mg/L			SW846-6010
<b>METAL-D</b>						
Barium		0.21	mg/L			SW846-6010
Chromium	U	0.05	mg/L			SW846-6010
<b>PHYSC</b>						
Chemical Oxygen Demand (COD)	<	25	mg/L			EPA-410.4 1978
Dissolved Solids		231	mg/L			EPA-160.2
Turbidity		9.9	NTU			EPA-180.1 1978
<b>RADS</b>						
Alpha activity	A	2.5	pCi/L			EPA-900.0
Beta activity		12	pCi/L	2		EPA-900.0
Technetium-99	A	0.2	pCi/L	12.9		RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260

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1,2-Dichloroethane	U	0.005 mg/L	0.005	SW846-8260
1,2-Dichloropropane	U	0.005 mg/L	0.005	SW846-8260
2-Chloroethyl vinyl ether	U	0.01 mg/L	0.01	SW846-8260
2-Hexanone	U	0.01 mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01 mg/L	0.01	SW846-8260
Benzene	U	0.005 mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromoform	U	0.005 mg/L	0.005	SW846-8260
Bromomethane	U	0.005 mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005 mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005 mg/L	0.005	SW846-8260
Chloroethane	U	0.005 mg/L	0.005	SW846-8260
Chloromethane	U	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Dibromomethane	U	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005 mg/L	0.005	SW846-8260
Ethanol	U	0.25 mg/L	0.25	SW846-8015 M
Ethyl methacrylate	U	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	U	0.005 mg/L	0.005	SW846-8260
Methylene chloride	U	0.01 mg/L	0.01	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.005 mg/L	0.005	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene		0.03 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.005 mg/L	0.005	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260

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MW276

UG98-04

C-746U Groundwater Monitoring 4th Quarter FY98

5444-98

Collected: 7/21/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		50.9	mg/L		200	SW846-9056
Nitrate as Nitrogen		1	mg/L		200	SW846-9056
Total Organic Carbon (TOC)	U	1	mg/L		1	SW846-9060
Total Organic Halides (TOX)	JNU	0.05	mg/L		0.05	SW846-9020
<b>Field P</b>						
Conductivity		408	umho/cm			
Depth to Water		34.45	ft			
Dissolved Oxygen		2.62	mg/L			
pH		6.11	Std Unit			
Temperature		67.5	deg F			
<b>METAL</b>						
Barium		0.239	mg/L			SW846-6010
Beryllium	U	0.025	mg/L			SW846-6010
Cadmium	*NU	0.005	mg/L		0.005	SW846-7131
Chromium		0.256	mg/L			SW846-6010
Cobalt	U	0.05	mg/L			SW846-6010
Copper	U	0.1	mg/L			SW846-6010
Iron		1.55	mg/L			SW846-6010
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel		0.106	mg/L			SW846-6010
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Silver	U	0.05	mg/L			SW846-6010
Sodium		36.4	mg/L			SW846-6010
Thallium	U	0.4	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Vanadium	U	0.1	mg/L			SW846-6010
Zinc	U	0.1	mg/L			SW846-6010
<b>METAL-D</b>						
Barium		0.225	mg/L			SW846-6010
Chromium	U	0.05	mg/L			SW846-6010
<b>PHYSC</b>						
Biochemical Oxygen Demand (BOD)	<	5	mg/L		5	SM-5210 B
Chemical Oxygen Demand (COD)	U	25	mg/L		25	EPA-410.4 1978
Dissolved Solids		223	mg/L		25	EPA-160.2
Fecal Coliform (PIP)	U	1	col/100ml		1	SW846-9222
SRB	<	1	SRB/ml		1	ST7495
THB	<	100	THB/ml		1	ST7496
Turbidity		12	NTU		0.5	EPA-180.1 1978
<b>RADS</b>						
Alpha activity	A	2.9	pCi/L			EPA-900.0
Beta activity		32	pCi/L	4		EPA-900.0
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260

## MW276

## UG98-04

## C-746U Groundwater Monitoring 4th Quarter FY98

1,1-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	0.005	SW846-8260
2-Butanone	U	0.01	mg/L	0.01	SW846-8260
2-Chloroethyl vinyl ether	U	0.01	mg/L	0.01	SW846-8260
2-Hexanone	U	0.01	mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L	0.01	SW846-8260
Acetone	U	0.01	mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L	0.01	SW846-8260
Benzene	U	0.005	mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromoform	U	0.005	mg/L	0.005	SW846-8260
Bromomethane	U	0.005	mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L	0.005	SW846-8260
Chloroethane	U	0.005	mg/L	0.005	SW846-8260
Chloromethane	U	0.005	mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Dibromomethane	U	0.005	mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	0.005	SW846-8260
Ethyl methacrylate	U	0.005	mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L	0.005	SW846-8260
Iodomethane	U	0.005	mg/L	0.005	SW846-8260
Methylene chloride	U	0.01	mg/L	0.01	SW846-8260
Styrene	U	0.005	mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L	0.005	SW846-8260
Toluene	U	0.005	mg/L	0.005	SW846-8260
Total Xylene	U	0.005	mg/L	0.005	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L	0.005	SW846-8260
Trichloroethene	U	0.001	mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L	0.005	SW846-8260
Vinyl acetate	U	0.005	mg/L	0.005	SW846-8260
Vinyl chloride	U	0.002	mg/L	0.002	SW846-8260

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MW277

UG98-04

C-746U Groundwater Monitoring 4th Quarter FY98

5445-98

Collected: 7/21/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		52.8	mg/L		200	SW846-9056
Nitrate as Nitrogen		1.2	mg/L		200	SW846-9056
Total Organic Carbon (TOC)	U	1	mg/L		1	SW846-9060
Total Organic Halides (TOX)	JUY	0.05	mg/L		0.05	SW846-9020
<b>Field P</b>						
Conductivity		408	umho/cm			
Depth to Water		34.9	ft			
Dissolved Oxygen		0.73	mg/L			
pH		6.01	Std Unit			
Temperature		66.7	deg F			
<b>METAL</b>						
Barium		0.228	mg/L			SW846-6010
Beryllium	U	0.025	mg/L			SW846-6010
Cadmium	*NU	0.005	mg/L		0.005	SW846-7131
Chromium		0.1	mg/L			SW846-6010
Cobalt	U	0.05	mg/L			SW846-6010
Copper	U	0.1	mg/L			SW846-6010
Iron		0.898	mg/L			SW846-6010
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel		0.126	mg/L			SW846-6010
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Silver	U	0.05	mg/L			SW846-6010
Sodium		33.1	mg/L			SW846-6010
Thallium	U	0.4	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Vanadium	U	0.1	mg/L			SW846-6010
Zinc	U	0.1	mg/L			SW846-6010
<b>METAL-D</b>						
Barium		0.216	mg/L			SW846-6010
Chromium	U	0.05	mg/L			SW846-6010
<b>PHYSC</b>						
Biochemical Oxygen Demand (BOD)	<	5	mg/L		5	SM-5210 B
Chemical Oxygen Demand (COD)	U	25	mg/L		25	EPA-410.4 1978
Dissolved Solids		222	mg/L		25	EPA-160.2
Fecal Coliform (PIP)	U	1	col/100ml		1	SW846-9222
SRB	<	1	SRB/ml		1	ST7495
THB	<	100	THB/ml		1	ST7496
Turbidity		7	NTU		0.5	EPA-180.1 1978
<b>RADS</b>						
Alpha activity	A	-0.6	pCi/L	0.3		EPA-900.0
Beta activity		17	pCi/L	2		EPA-900.0
Technetium-99	A	1.7	pCi/L	14.2		RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260

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## UG98-04

## C-746U Groundwater Monitoring 4th Quarter FY98

1,1,2-Trichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L	0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L	0.005	SW846-8260
2-Butanone	U	0.01	mg/L	0.01	SW846-8260
2-Chloroethyl vinyl ether	U	0.01	mg/L	0.01	SW846-8260
2-Hexanone	U	0.01	mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01	mg/L	0.01	SW846-8260
Acetone	U	0.01	mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01	mg/L	0.01	SW846-8260
Benzene	U	0.005	mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L	0.005	SW846-8260
Bromoform	U	0.005	mg/L	0.005	SW846-8260
Bromomethane	U	0.005	mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005	mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005	mg/L	0.005	SW846-8260
Chloroethane	U	0.005	mg/L	0.005	SW846-8260
Chloromethane	U	0.005	mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005	mg/L	0.005	SW846-8260
Dibromomethane	U	0.005	mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005	mg/L	0.005	SW846-8260
Ethyl methacrylate	U	0.005	mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L	0.005	SW846-8260
Iodomethane	U	0.005	mg/L	0.005	SW846-8260
Methylene chloride	U	0.01	mg/L	0.01	SW846-8260
Styrene	U	0.005	mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L	0.005	SW846-8260
Toluene	U	0.005	mg/L	0.005	SW846-8260
Total Xylene	U	0.005	mg/L	0.005	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005	mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005	mg/L	0.005	SW846-8260
Trichloroethene		0.028	mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005	mg/L	0.005	SW846-8260
Vinyl acetate	U	0.005	mg/L	0.005	SW846-8260
Vinyl chloride	U	0.002	mg/L	0.002	SW846-8260



MW276

UG99-01

C-746U Groundwater Monitoring 1st Quarter FY99

5624-98

Collected: 10/12/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		54.8	mg/L		2	SW846-9056
Nitrate as Nitrogen		1.1	mg/L		1	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		30.83	Inches/Hg			
Conductivity		396	umho/cm			
Depth to Water		36.79	ft			
Dissolved Oxygen		4.96	mg/L			
pH		6	Std Unit			
Temperature		62.2	deg F			
<b>METAL</b>						
Barium		0.22	mg/L			SW846-6010
Beryllium	U	0.02	mg/L			SW846-6010
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium		0.11	mg/L			SW846-6010
Cobalt	U	0.05	mg/L			SW846-6010
Copper	U	0.1	mg/L			SW846-6010
Iron		0.9	mg/L			SW846-6010
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel	U	0.1	mg/L			SW846-6010
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Silver	U	0.05	mg/L			SW846-6010
Sodium		34.1	mg/L			SW846-6010
Thallium	U	0.4	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Vanadium	U	0.1	mg/L			SW846-6010
Zinc	U	0.1	mg/L			SW846-6010
<b>METAL-D</b>						
Barium		0.22	mg/L			SW846-6010
Chromium	U	0.05	mg/L			SW846-6010
<b>PHYSC</b>						
Dissolved Solids		216	mg/L		25	EPA-160.2
<b>RADS</b>						
Beta activity		34.55	pCi/L	3.96		EPA-900.0
Technetium-99		39.2	pCi/L	13.7		RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260

## MW276

## UG99-01

## C-746U Groundwater Monitoring 1st Quarter FY99

2-Chloroethyl vinyl ether	U	0.01 mg/L	0.01	SW846-8260
2-Hexanone	U	0.01 mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01 mg/L	0.01	SW846-8260
Acetone	U	0.01 mg/L	0.01	SW846-8260
Acrolein	U	0.01 mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01 mg/L	0.01	SW846-8260
Benzene	U	0.005 mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromoform	U	0.005 mg/L	0.005	SW846-8260
Bromomethane	U	0.005 mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005 mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005 mg/L	0.005	SW846-8260
Chloroethane	U	0.005 mg/L	0.005	SW846-8260
Chloromethane	U	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Dibromomethane	U	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005 mg/L	0.005	SW846-8260
Ethyl methacrylate	U	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	U	0.005 mg/L	0.005	SW846-8260
Methylene chloride	U	0.01 mg/L	0.01	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.005 mg/L	0.005	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene		0.017 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.005 mg/L	0.005	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	UY	0.05 mg/L	0.05	SW846-9020
Turbidity		12 NTU	0.5	EPA-180.1 1978

Paducah-OREIS Data Report

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12/18/2007

MW276

UG99-01

C-746U Groundwater Monitoring 1st Quarter FY99

5625-98

Collected: 10/12/1998

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		55.1	mg/L		2	SW846-9056
Nitrate as Nitrogen		1.2	mg/L		1	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		30.83	Inches/Hg			
Conductivity		396	umho/cm			
Depth to Water		36.79	ft			
Dissolved Oxygen		4.96	mg/L			
pH		6	Std Unit			
Temperature		62.2	deg F			
<b>METAL</b>						
Barium		0.22	mg/L			SW846-6010
Beryllium	U	0.02	mg/L			SW846-6010
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium		0.13	mg/L			SW846-6010
Cobalt	U	0.05	mg/L			SW846-6010
Copper	U	0.1	mg/L			SW846-6010
Iron		1.08	mg/L			SW846-6010
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel	U	0.1	mg/L			SW846-6010
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Silver	U	0.05	mg/L			SW846-6010
Sodium		34.1	mg/L			SW846-6010
Thallium	U	0.4	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Vanadium	U	0.1	mg/L			SW846-6010
Zinc	U	0.1	mg/L			SW846-6010
<b>METAL-D</b>						
Barium		0.22	mg/L			SW846-6010
Chromium	U	0.05	mg/L			SW846-6010
<b>PHYSC</b>						
Dissolved Solids		219	mg/L		25	EPA-160.2
<b>RADS</b>						
Beta activity		39.11	pCi/L	4.24		EPA-900.0
Technetium-99		41.8	pCi/L	13.7		RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260

## MW276

## UG99-01

## C-746U Groundwater Monitoring 1st Quarter FY99

2-Chloroethyl vinyl ether	U	0.01 mg/L	0.01	SW846-8260
2-Hexanone	U	0.01 mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01 mg/L	0.01	SW846-8260
Acetone	U	0.01 mg/L	0.01	SW846-8260
Acrolein	U	0.01 mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01 mg/L	0.01	SW846-8260
Benzene	U	0.005 mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromoform	U	0.005 mg/L	0.005	SW846-8260
Bromomethane	U	0.005 mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005 mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005 mg/L	0.005	SW846-8260
Chloroethane	U	0.005 mg/L	0.005	SW846-8260
Chloromethane	U	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Dibromomethane	U	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005 mg/L	0.005	SW846-8260
Ethyl methacrylate	U	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	U	0.005 mg/L	0.005	SW846-8260
Methylene chloride	U	0.01 mg/L	0.01	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.005 mg/L	0.005	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene		0.018 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.005 mg/L	0.005	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.05 mg/L	0.05	SW846-9020
Turbidity		12 NTU	0.5	EPA-180.1 1978

MW277

UG99-01

C-746U Groundwater Monitoring 1st Quarter FY99

5626-98

Collected: 10/12/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		53.4	mg/L		2	SW846-9056
Nitrate as Nitrogen		1.3	mg/L		1	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		30.83	Inches/Hg			
Conductivity		387	umho/cm			
Depth to Water		37.19	ft			
Dissolved Oxygen		2.44	mg/L			
pH		5.9	Std Unit			
Temperature		65.1	deg F			
<b>METAL</b>						
Barium		0.21	mg/L			SW846-6010
Beryllium	U	0.02	mg/L			SW846-6010
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium		0.23	mg/L			SW846-6010
Cobalt	U	0.05	mg/L			SW846-6010
Copper	U	0.1	mg/L			SW846-6010
Iron		1.86	mg/L			SW846-6010
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel		0.1	mg/L			SW846-6010
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Silver	U	0.05	mg/L			SW846-6010
Sodium		30.2	mg/L			SW846-6010
Thallium	U	0.4	mg/L			SW846-6010
Uranium	U	0.001	mg/L			IN7105
Vanadium	U	0.1	mg/L			SW846-6010
Zinc	U	0.1	mg/L			SW846-6010
<b>METAL-D</b>						
Barium		0.22	mg/L			SW846-6010
Chromium	U	0.05	mg/L			SW846-6010
<b>PHYSC</b>						
Dissolved Solids		211	mg/L		25	EPA-160.2
<b>RADS</b>						
Beta activity		7.25	pCi/L	1.42		EPA-900.0
Technetium-99	A	-5.5	pCi/L	0		RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260

**MW277****UG99-01****C-746U Groundwater Monitoring 1st Quarter FY99**

2-Chloroethyl vinyl ether	U	0.01 mg/L	0.01	SW846-8260
2-Hexanone	U	0.01 mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01 mg/L	0.01	SW846-8260
Acetone	U	0.01 mg/L	0.01	SW846-8260
Acrolein	U	0.01 mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01 mg/L	0.01	SW846-8260
Benzene	U	0.005 mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromoform	U	0.005 mg/L	0.005	SW846-8260
Bromomethane	U	0.005 mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005 mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005 mg/L	0.005	SW846-8260
Chloroethane	U	0.005 mg/L	0.005	SW846-8260
Chloromethane	U	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Dibromomethane	U	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005 mg/L	0.005	SW846-8260
Ethyl methacrylate	U	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	U	0.005 mg/L	0.005	SW846-8260
Methylene chloride	U	0.01 mg/L	0.01	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.005 mg/L	0.005	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene		0.027 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.005 mg/L	0.005	SW846-8260
Vinyl chloride	U	0.002 mg/L	0.002	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	UY	0.05 mg/L	0.05	SW846-9020
Turbidity		12 NTU	0.5	EPA-180.1 1978

MW276  
UG99-02  
5045-99

C-746 U QUARTERLY UG99-02

Collected: 1/19/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		52.6	mg/L		2	SW846-9056
Nitrate as Nitrogen		1.1	mg/L		1	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		30	Inches/Hg			
Conductivity		402	umho/cm			
Depth to Water		38.1	ft			
Dissolved Oxygen		3.25	mg/L			
pH		6.1	Std Unit			
Temperature		59.3	deg F			
<b>METAL</b>						
Barium		0.21	mg/L		0.05	SW846-6010A
Beryllium	U	0.02	mg/L		0.02	SW846-6010A
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium		0.18	mg/L		0.05	SW846-6010A
Cobalt	U	0.05	mg/L		0.05	SW846-6010A
Copper	U	0.1	mg/L		0.1	SW846-6010A
Iron		0.55	mg/L		0.2	SW846-6010A
Mercury	BUW	0.0002	mg/L		0.0002	SW846-7470
Nickel	U	0.1	mg/L		0.1	SW846-6010A
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Silver	U	0.05	mg/L		0.05	SW846-6010A
Sodium	N	32.6	mg/L		5	SW846-6010A
Thallium	U	0.4	mg/L		0.4	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.1	mg/L		0.1	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A
<b>METAL-D</b>						
Barium		0.21	mg/L		0.05	SW846-6010A
Chromium	U	0.05	mg/L		0.05	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		230	mg/L		25	EPA-160.2
<b>RADS</b>						
Alpha activity	A	2.32	pCi/L	1.07	3.09	EPA-900.0
Beta activity		52.07	pCi/L	5.33	6.32	EPA-900.0
Technetium-99		85.1	pCi/L	14.3	17.24	RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260

## MW276

## UG99-02

## C-746 U QUARTERLY UG99-02

2-Butanone	U	0.01 mg/L	0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01 mg/L	0.01	SW846-8260
2-Hexanone	JU	0.01 mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01 mg/L	0.01	SW846-8260
Acetone	JU	0.01 mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01 mg/L	0.01	SW846-8260
Benzene	U	0.005 mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromoform	U	0.005 mg/L	0.005	SW846-8260
Bromomethane	JU	0.005 mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005 mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005 mg/L	0.005	SW846-8260
Chloroethane	U	0.005 mg/L	0.005	SW846-8260
Chloromethane	JU	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Dibromomethane	U	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	JU	0.005 mg/L	0.005	SW846-8260
Ethyl methacrylate	JU	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	JU	0.005 mg/L	0.005	SW846-8260
Methylene chloride	JU	0.01 mg/L	0.01	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.01 mg/L	0.01	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene		0.016 mg/L	0.001	SW846-8260
Trichlorofluoromethane	JU	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.005 mg/L	0.005	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.05 mg/L	0.05	SW846-9020B
Turbidity		8.8 NTU	0.5	EPA-180.1 1978



**MW276**  
**UG99-02**  
**5046-99**

**C-746 U QUARTERLY UG99-02**

Collected: 1/19/1999

Media Type: WG

Sample Type: FR

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		52.2	mg/L		2	SW846-9056
Nitrate as Nitrogen		1.2	mg/L		1	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		30	Inches/Hg			
Conductivity		402	umho/cm			
Depth to Water		38.1	ft			
Dissolved Oxygen		3.25	mg/L			
pH		6.1	Std Unit			
Temperature		59.3	deg F			
<b>METAL</b>						
Barium		0.22	mg/L		0.05	SW846-6010A
Beryllium	U	0.02	mg/L		0.02	SW846-6010A
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium		0.09	mg/L		0.05	SW846-6010A
Cobalt	U	0.05	mg/L		0.05	SW846-6010A
Copper	U	0.1	mg/L		0.1	SW846-6010A
Iron		0.65	mg/L		0.2	SW846-6010A
Mercury	BUW	0.0002	mg/L		0.0002	SW846-7470
Nickel	U	0.1	mg/L		0.1	SW846-6010A
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Silver	U	0.05	mg/L		0.05	SW846-6010A
Sodium	N	34.8	mg/L		5	SW846-6010A
Thallium	U	0.4	mg/L		0.4	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.1	mg/L		0.1	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A
<b>METAL-D</b>						
Barium		0.22	mg/L		0.05	SW846-6010A
Chromium	U	0.05	mg/L		0.05	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		241	mg/L		25	EPA-160.2
<b>RADS</b>						
Alpha activity	A	2.77	pCi/L	1.27	3.26	EPA-900.0
Beta activity		46.49	pCi/L	5.06	6.57	EPA-900.0
Technetium-99		63.7	pCi/L	13.7	17.24	RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260

**MW276****UG99-02****C-746 U QUARTERLY UG99-02**

2-Butanone	U	0.01 mg/L	0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01 mg/L	0.01	SW846-8260
2-Hexanone	JU	0.01 mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01 mg/L	0.01	SW846-8260
Acetone	JU	0.01 mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01 mg/L	0.01	SW846-8260
Benzene	U	0.005 mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromoform	U	0.005 mg/L	0.005	SW846-8260
Bromomethane	JU	0.005 mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005 mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005 mg/L	0.005	SW846-8260
Chloroethane	U	0.005 mg/L	0.005	SW846-8260
Chloromethane	JU	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Dibromomethane	U	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	JU	0.005 mg/L	0.005	SW846-8260
Ethyl methacrylate	JU	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	JU	0.005 mg/L	0.005	SW846-8260
Methylene chloride	JU	0.01 mg/L	0.01	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.01 mg/L	0.01	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene		0.017 mg/L	0.001	SW846-8260
Trichlorofluoromethane	JU	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.005 mg/L	0.005	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.05 mg/L	0.05	SW846-9020B
Turbidity		6.3 NTU	0.5	EPA-180.1 1978

Paducah-OREIS Data Report

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12/18/2007

MW277  
UG99-02  
5047-99

C-746 U QUARTERLY UG99-02

Collected: 1/19/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		52.3	mg/L		2	SW846-9056
Nitrate as Nitrogen		1.1	mg/L		1	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		29.94	Inches/Hg			
Conductivity		391	umho/cm			
Depth to Water		38.32	ft			
Dissolved Oxygen		1.62	mg/L			
pH		6.2	Std Unit			
Temperature		60.2	deg F			
<b>METAL</b>						
Barium		0.21	mg/L		0.05	SW846-6010A
Beryllium	U	0.02	mg/L		0.02	SW846-6010A
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium		0.21	mg/L		0.05	SW846-6010A
Cobalt	U	0.05	mg/L		0.05	SW846-6010A
Copper	U	0.1	mg/L		0.1	SW846-6010A
Iron		1.95	mg/L		0.2	SW846-6010A
Mercury	BUW	0.0002	mg/L		0.0002	SW846-7470
Nickel	U	0.1	mg/L		0.1	SW846-6010A
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Silver	U	0.05	mg/L		0.05	SW846-6010A
Sodium	N	32.3	mg/L		5	SW846-6010A
Thallium	U	0.4	mg/L		0.4	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.1	mg/L		0.1	SW846-6010A
Zinc	U	0.2	mg/L		0.2	SW846-6010A
<b>METAL-D</b>						
Barium		0.21	mg/L		0.05	SW846-6010A
Chromium	U	0.05	mg/L		0.05	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		228	mg/L		25	EPA-160.2
<b>RADS</b>						
Alpha activity		4.56	pCi/L	1.95	3.98	EPA-900.0
Beta activity		14	pCi/L	2.41	6	EPA-900.0
Technetium-99		19.6	pCi/L	12.2	17.24	RL-7100
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260

**MW277****UG99-02****C-746 U QUARTERLY UG99-02**

2-Butanone	U	0.01 mg/L	0.01	SW846-8260
2-Chloroethyl vinyl ether	JU	0.01 mg/L	0.01	SW846-8260
2-Hexanone	JU	0.01 mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01 mg/L	0.01	SW846-8260
Acetone	JU	0.01 mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01 mg/L	0.01	SW846-8260
Benzene	U	0.005 mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromoform	U	0.005 mg/L	0.005	SW846-8260
Bromomethane	JU	0.005 mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005 mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005 mg/L	0.005	SW846-8260
Chloroethane	U	0.005 mg/L	0.005	SW846-8260
Chloromethane	JU	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Dibromomethane	U	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	JU	0.005 mg/L	0.005	SW846-8260
Ethyl methacrylate	JU	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	JU	0.005 mg/L	0.005	SW846-8260
Methylene chloride	JU	0.01 mg/L	0.01	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.01 mg/L	0.01	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene		0.022 mg/L	0.001	SW846-8260
Trichlorofluoromethane	JU	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.005 mg/L	0.005	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Total Organic Carbon (TOC)	U	1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.05 mg/L	0.05	SW846-9020B
Turbidity		5.5 NTU	0.5	EPA-180.1 1978

MW276  
UG99-03  
5211-99

C-746 U QUARTERLY UG99-03

Collected: 4/12/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		46.8	mg/L		2	SW846-9056
Nitrate as Nitrogen	U	1	mg/L		1	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		30.21	Inches/Hg			
Conductivity		390	umho/cm			
Depth to Water		33.74	ft			
Dissolved Oxygen		2.24	mg/L			
pH		6	Std Unit			
Temperature		62.2	deg F			
<b>METAL</b>						
Barium		0.25	mg/L		0.05	SW846-6010A
Beryllium	BU	0.005	mg/L		0.005	SW846-6010A
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium		2.24	mg/L		0.05	SW846-6010A
Cobalt	U	0.01	mg/L		0.01	SW846-6010A
Copper	U	0.05	mg/L		0.05	SW846-6010A
Iron		10.8	mg/L		0.2	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Silver	BU	0.05	mg/L		0.05	SW846-6010A
Sodium	N	34.6	mg/L		2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.1	mg/L		0.1	SW846-6010A
Zinc	BNU	0.2	mg/L		0.2	SW846-6010A
<b>METAL-D</b>						
Barium		0.23	mg/L		0.05	SW846-6010A
Chromium	U	0.05	mg/L		0.05	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		223	mg/L		100	EPA-160.2
<b>RADS</b>						
Alpha activity		3.45	pCi/L	1.5	1.64	EPA-900.0
Beta activity		60.16	pCi/L	5.56	5.24	EPA-900.0
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260

**MW276****UG99-03****C-746 U QUARTERLY UG99-03**

2-Chloroethyl vinyl ether	JU	0.01 mg/L	0.01	SW846-8260
2-Hexanone	U	0.01 mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01 mg/L	0.01	SW846-8260
Acetone	U	0.01 mg/L	0.01	SW846-8260
Acrolein	JU	0.01 mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01 mg/L	0.01	SW846-8260
Benzene	UY	0.005 mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromoform	U	0.005 mg/L	0.005	SW846-8260
Bromomethane	U	0.005 mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005 mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	0.005	SW846-8260
Chlorobenzene	UY	0.005 mg/L	0.005	SW846-8260
Chloroethane	U	0.005 mg/L	0.005	SW846-8260
Chloromethane	U	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Dibromomethane	U	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	JU	0.005 mg/L	0.005	SW846-8260
Ethyl methacrylate	U	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	U	0.005 mg/L	0.005	SW846-8260
Methylene chloride	U	0.01 mg/L	0.01	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.005 mg/L	0.005	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene		0.019 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.005 mg/L	0.005	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	NU	25 mg/L	25	EPA-410.4 1978
Total Organic Carbon (TOC)		1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.05 mg/L	0.05	SW846-9020B
Turbidity		50 NTU	0.5	EPA-180.1 1978

MW277  
UG99-03  
5212-99

C-746 U QUARTERLY UG99-03

Collected: 4/13/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		49.4	mg/L		2	SW846-9056
Nitrate as Nitrogen		1.1	mg/L		1	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		30.18	Inches/Hg			
Conductivity		395	umho/cm			
Depth to Water		34.12	ft			
Dissolved Oxygen		1.86	mg/L			
pH		6.1	Std Unit			
Temperature		60.2	deg F			
<b>METAL</b>						
Barium		0.23	mg/L		0.05	SW846-6010A
Beryllium	BU	0.005	mg/L		0.005	SW846-6010A
Cadmium	U	0.005	mg/L		0.005	SW846-7131
Chromium	B	0.06	mg/L		0.05	SW846-6010A
Cobalt	U	0.01	mg/L		0.01	SW846-6010A
Copper	U	0.05	mg/L		0.05	SW846-6010A
Iron		0.68	mg/L		0.2	SW846-6010A
Mercury	U	0.0002	mg/L		0.0002	SW846-7470
Nickel		0.11	mg/L		0.05	SW846-6010A
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Silver	BU	0.05	mg/L		0.05	SW846-6010A
Sodium	N	31.7	mg/L		2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.1	mg/L		0.1	SW846-6010A
Zinc	BNU	0.2	mg/L		0.2	SW846-6010A
<b>METAL-D</b>						
Barium		0.24	mg/L		0.05	SW846-6010A
Chromium	U	0.05	mg/L		0.05	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		220	mg/L		100	EPA-160.2
<b>RADS</b>						
Alpha activity		2.93	pCi/L	1.62	1.83	EPA-900.0
Beta activity		19.3	pCi/L	2.94	5.82	EPA-900.0
<b>SVOA</b>						
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260

**MW277****UG99-03****C-746 U QUARTERLY UG99-03**

2-Chloroethyl vinyl ether	JU	0.01 mg/L	0.01	SW846-8260
2-Hexanone	U	0.01 mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01 mg/L	0.01	SW846-8260
Acetone	U	0.01 mg/L	0.01	SW846-8260
Acrolein	JU	0.01 mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01 mg/L	0.01	SW846-8260
Benzene	UY	0.005 mg/L	0.005	SW846-8260
Bromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromoform	U	0.005 mg/L	0.005	SW846-8260
Bromomethane	U	0.005 mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005 mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	0.005	SW846-8260
Chlorobenzene	UY	0.005 mg/L	0.005	SW846-8260
Chloroethane	U	0.005 mg/L	0.005	SW846-8260
Chloromethane	U	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Dibromomethane	U	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	JU	0.005 mg/L	0.005	SW846-8260
Ethyl methacrylate	U	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	U	0.005 mg/L	0.005	SW846-8260
Methylene chloride	U	0.01 mg/L	0.01	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.005 mg/L	0.005	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene		0.021 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	U	0.005 mg/L	0.005	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	NU	25 mg/L	25	EPA-410.4 1978
Total Organic Carbon (TOC)		1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	UX	0.05 mg/L	0.05	SW846-9020B
Turbidity	*	5.5 NTU	0.5	EPA-180.1 1978



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MW276

UG99-04

C-746 U QUARTERLY UG99-04

5375-99

Collected: 7/27/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		53	mg/L		2	SW846-9056
Nitrate as Nitrogen		1.4	mg/L		1	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		30.03	Inches/Hg			
Conductivity		396	umho/cm			
Depth to Water		34.11	ft			
Dissolved Oxygen		6.02	mg/L			
pH		5.99	Std Unit			
Temperature		67.6	deg F			
<b>METAL</b>						
Barium		0.22	mg/L		0.05	SW846-6010A
Beryllium	BU	0.005	mg/L		0.005	SW846-6010A
Cadmium	UW	0.005	mg/L		0.005	SW846-7131
Chromium		0.259	mg/L		0.05	SW846-6010A
Cobalt	U	0.01	mg/L		0.01	SW846-6010A
Copper	BU	0.05	mg/L		0.05	SW846-6010A
Iron		1.17	mg/L		0.2	SW846-6010A
Mercury	NU	0.0002	mg/L		0.0002	SW846-7470
Nickel	U	0.05	mg/L		0.05	SW846-6010A
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Silver	BU	0.05	mg/L		0.05	SW846-6010A
Sodium	JN	37.3	mg/L		2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.1	mg/L		0.1	SW846-6010A
Zinc	BU	0.2	mg/L		0.2	SW846-6010A
<b>METAL-D</b>						
Barium		0.214	mg/L		0.05	SW846-6010A
Chromium	BU	0.05	mg/L		0.05	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		234	mg/L		100	EPA-160.2
<b>RADS</b>						
Alpha activity	A	-1.45	pCi/L	0.63	3.28	EPA-900.0
Beta activity		104.95	pCi/L	7.63	4.87	EPA-900.0
Technetium-99		67.7	pCi/L	14.5	17.6	RL-7100
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260

## MW276

## UG99-04

## C-746 U QUARTERLY UG99-04

2-Chloroethyl vinyl ether	JU	0.01 mg/L	0.01	SW846-8260
2-Hexanone	U	0.01 mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01 mg/L	0.01	SW846-8260
Acetone	U	0.01 mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01 mg/L	0.01	SW846-8260
Benzene	U	0.005 mg/L	0.005	SW846-8260
Bromochloromethane	JU	0.005 mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromoform	U	0.005 mg/L	0.005	SW846-8260
Bromomethane	U	0.005 mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005 mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005 mg/L	0.005	SW846-8260
Chloroethane	U	0.005 mg/L	0.005	SW846-8260
Chloromethane	U	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Dibromomethane	U	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005 mg/L	0.005	SW846-8260
Ethyl methacrylate	JU	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	U	0.005 mg/L	0.005	SW846-8260
Methylene chloride	U	0.01 mg/L	0.01	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.01 mg/L	0.01	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene		0.014 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01 mg/L	0.01	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Total Organic Carbon (TOC)		1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.05 mg/L	0.05	SW846-9020B
Turbidity	J	12 NTU	0.5	EPA-180.1 1978

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**MW277**  
**UG99-04**  
**5376-99**

## C-746 U QUARTERLY UG99-04

Collected: 7/27/1999

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>ANION</b>						
Chloride		51.8	mg/L		2	SW846-9056
Nitrate as Nitrogen		1.1	mg/L		1	SW846-9056
<b>Field P</b>						
Barometric Pressure Reading		30.03	Inches/Hg			
Conductivity		374	umho/cm			
Depth to Water		34.55	ft			
Dissolved Oxygen		5.27	mg/L			
pH		6.01	Std Unit			
Temperature		67.4	deg F			
<b>METAL</b>						
Barium		0.209	mg/L		0.05	SW846-6010A
Beryllium	BU	0.005	mg/L		0.005	SW846-6010A
Cadmium	UW	0.005	mg/L		0.005	SW846-7131
Chromium		0.192	mg/L		0.05	SW846-6010A
Cobalt	U	0.01	mg/L		0.01	SW846-6010A
Copper	BU	0.05	mg/L		0.05	SW846-6010A
Iron		1.54	mg/L		0.2	SW846-6010A
Mercury	NU	0.0002	mg/L		0.0002	SW846-7470
Nickel		0.054	mg/L		0.05	SW846-6010A
Selenium	UW	0.005	mg/L		0.005	SW846-7740
Silver	BU	0.05	mg/L		0.05	SW846-6010A
Sodium	JN	33.3	mg/L		2	SW846-6010A
Thallium	U	0.2	mg/L		0.2	SW846-6010A
Uranium	U	0.001	mg/L		0.001	IN7105
Vanadium	U	0.1	mg/L		0.1	SW846-6010A
Zinc	BU	0.2	mg/L		0.2	SW846-6010A
<b>METAL-D</b>						
Barium		0.206	mg/L		0.05	SW846-6010A
Chromium	BU	0.05	mg/L		0.05	SW846-6010A
<b>PHYSC</b>						
Dissolved Solids		219	mg/L		100	EPA-160.2
<b>RADS</b>						
Alpha activity	A	1.76	pCi/L	0.83	3.42	EPA-900.0
Beta activity		30.37	pCi/L	3.87	5.03	EPA-900.0
Technetium-99	A	9.85	pCi/L	12.6	14.5	RL-7100
<b>VOA</b>						
1,1,1,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2,2-Tetrachloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2,3-Trichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromo-3-chloropropane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dibromoethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloropropane	U	0.005	mg/L		0.005	SW846-8260
1,4-Dichlorobenzene	U	0.005	mg/L		0.005	SW846-8260
2-Butanone	U	0.01	mg/L		0.01	SW846-8260

**MW277****UG99-04****C-746 U QUARTERLY UG99-04**

2-Chloroethyl vinyl ether	JU	0.01 mg/L	0.01	SW846-8260
2-Hexanone	U	0.01 mg/L	0.01	SW846-8260
4-Methyl-2-pentanone	U	0.01 mg/L	0.01	SW846-8260
Acetone	UX	0.01 mg/L	0.01	SW846-8260
Acrylonitrile	U	0.01 mg/L	0.01	SW846-8260
Benzene	U	0.005 mg/L	0.005	SW846-8260
Bromochloromethane	JU	0.005 mg/L	0.005	SW846-8260
Bromodichloromethane	U	0.005 mg/L	0.005	SW846-8260
Bromoform	U	0.005 mg/L	0.005	SW846-8260
Bromomethane	U	0.005 mg/L	0.005	SW846-8260
Carbon disulfide	U	0.005 mg/L	0.005	SW846-8260
Carbon tetrachloride	U	0.005 mg/L	0.005	SW846-8260
Chlorobenzene	U	0.005 mg/L	0.005	SW846-8260
Chloroethane	U	0.005 mg/L	0.005	SW846-8260
Chloromethane	U	0.005 mg/L	0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
cis-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Dibromochloromethane	U	0.005 mg/L	0.005	SW846-8260
Dibromomethane	U	0.005 mg/L	0.005	SW846-8260
Dichlorodifluoromethane	U	0.005 mg/L	0.005	SW846-8260
Ethyl methacrylate	JU	0.005 mg/L	0.005	SW846-8260
Ethylbenzene	U	0.005 mg/L	0.005	SW846-8260
Iodomethane	U	0.005 mg/L	0.005	SW846-8260
Methylene chloride	U	0.01 mg/L	0.01	SW846-8260
Styrene	U	0.005 mg/L	0.005	SW846-8260
Tetrachloroethene	U	0.005 mg/L	0.005	SW846-8260
Toluene	U	0.005 mg/L	0.005	SW846-8260
Total Xylene	U	0.01 mg/L	0.01	SW846-8260
trans-1,2-Dichloroethene	U	0.005 mg/L	0.005	SW846-8260
trans-1,3-Dichloropropene	U	0.005 mg/L	0.005	SW846-8260
Trans-1,4-Dichloro-2-butene	U	0.005 mg/L	0.005	SW846-8260
Trichloroethene		0.024 mg/L	0.001	SW846-8260
Trichlorofluoromethane	U	0.005 mg/L	0.005	SW846-8260
Vinyl acetate	JU	0.01 mg/L	0.01	SW846-8260
<b>WETCHEM</b>				
Chemical Oxygen Demand (COD)	U	25 mg/L	25	EPA-410.4 1978
Total Organic Carbon (TOC)		1 mg/L	1	SW846-9060
Total Organic Halides (TOX)	U	0.05 mg/L	0.05	SW846-9020B
Turbidity		9.7 NTU	0.5	EPA-180.1 1978

MW180

US98-04

C-746-U Surface Water Monitoring 4th Qtr FY98

5297-98

Collected: 5/12/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Conductivity		814	umho/cm			
Depth to Water		16.59	ft			
Dissolved Oxygen		1.16	mg/L			
pH		6.88	Std Unit			
Temperature		62.5	deg F			
<b>METAL</b>						
Uranium		0.002	mg/L			IN7105
<b>RADS</b>						
Alpha activity	A	-4.9	pCi/L			EPA-900.0
Beta activity		115	pCi/L	8		EPA-900.0
Technetium-99		35.2	pCi/L	13.9		RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.005	mg/L		0.005	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene	U	0.001	mg/L		0.001	SW846-8260

# Paducah-OREIS Data Report

PaducahOREIS Download  
12/18/2007

**MW182**

**US98-04**

## C-746-U Surface Water Monitoring 4th Qtr FY98

**5298-98**

Collected: 5/12/1998

Media Type: WG

Sample Type: REG

<u>Analysis</u>	<u>Qualifiers*</u>	<u>Results</u>	<u>Units</u>	<u>Counting Error (+/-)</u>	<u>Detect Limit</u>	<u>Method</u>
<b>Field P</b>						
Conductivity		1265	umho/cm			
Depth to Water		12.97	ft			
Dissolved Oxygen		0.19	mg/L			
pH		6.48	Std Unit			
Temperature		60.7	deg F			
<b>METAL</b>						
Uranium		0.35	mg/L			IN7105
<b>RADS</b>						
Alpha activity		148.2	pCi/L	18.3		EPA-900.0
Beta activity		353	pCi/L	19		EPA-900.0
Technetium-99		21.9	pCi/L	13.6		RL-7100
<b>VOA</b>						
1,1,1-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1,2-Trichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,1-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
1,2-Dichloroethane	U	0.005	mg/L		0.005	SW846-8260
Benzene	U	0.005	mg/L		0.005	SW846-8260
Bromodichloromethane	U	0.005	mg/L		0.005	SW846-8260
Carbon tetrachloride	U	0.005	mg/L		0.005	SW846-8260
cis-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Ethylbenzene	U	0.005	mg/L		0.005	SW846-8260
Tetrachloroethene	U	0.005	mg/L		0.005	SW846-8260
Toluene	U	0.005	mg/L		0.005	SW846-8260
Total Xylene	U	0.005	mg/L		0.005	SW846-8260
trans-1,2-Dichloroethene	U	0.005	mg/L		0.005	SW846-8260
Trichloroethene		0.001	mg/L		0.001	SW846-8260